

# EDULEARN<sup>22</sup>

**14TH INTERNATIONAL CONFERENCE  
ON EDUCATION AND NEW LEARNING  
TECHNOLOGIES**

**PALMA (SPAIN)  
4TH-6TH OF JULY, 2022**



## CONFERENCE PROCEEDINGS



**EDULEARN<sub>22</sub>**

---

**CONFERENCE  
PROCEEDINGS**

**Published by**  
IATED Academy  
iated.org

**EDULEARN22 Proceedings**

14th International Conference on Education and New Learning Technologies  
July 4th-6th, 2022  
Palma, Mallorca, SPAIN

**Edited by**

Luis Gómez Chova, *University of Valencia, Spain*  
Agustín López Martínez, *University of Barcelona, Spain*  
Joanna Lees, *CEU Cardinal Herrera University, Spain*

DOI: 10.21125/edulearn.2022  
ISBN: 978-84-09-42484-9  
ISSN: 2340-1117

Book cover designed by J.L. Bernat

© Copyright 2022, IATED Academy. This work is subject to copyright. All rights reserved.

The intellectual property rights of the contents of the publication are the sole property of IATED Academy and therefore the reproduction, distribution, public disclosure, transformation or any other activity that can be carried out with the contents of its proceedings is forbidden, without written consent from IATED Academy.

These proceedings are published by IATED Academy. The registered company address is: Plaza Legión Española 11, 46010 Valencia, Spain.

## Bibliographic Information

<b>Book Title</b> 14th International Conference on Education and New Learning Technologies	<b>Book Series</b> EDULEARN Proceedings	<b>Editors</b> Luis Gómez Chova Agustín López Martínez Joanna Lees
<b>Publication Year</b> 2022	<b>Publisher</b> IATED Academy	<b>Publisher Address</b> Valencia, Spain
<b>Book ISBN</b> 978-84-09-42484-9	<b>Series ISSN</b> 2340-1117	<b>DOI</b> 10.21125/edulearn.2022
<b>Conference Name</b> EDULEARN22	<b>Dates</b> July 4th-6th, 2022	<b>Location</b> Palma, Mallorca, Spain
<b>Copyright Information</b> This work is subject to copyright. All rights reserved.	<b>Topics</b> Education Educational Research Educational Technology	

### Editorial policy and Publication ethics:

The papers published in these proceedings reflect the views only of the authors. The publisher cannot be held responsible for the validity or use of the information therein contained.

The International Academy of Technology, Education and Development (IATED) aims to publish conference proceedings that contain original research articles of high quality meeting the expected ethical standards. The publication guidelines are provided for authors who submit articles to IATED conferences in order to maintain high ethical standards.

IATED shall guarantee the high technical and professional quality of the publications and that good practices and ethical standards are maintained. If unethical behaviors are identified, an investigation will be initiated and pertinent actions will be taken.

More information about the publication ethics of IATED is available at [iated.org/publication\\_ethics](http://iated.org/publication_ethics)

## Preface

EDULEARN22 Conference Proceedings contain selected and revised papers from the 14th annual International Conference on Education and New Learning Technologies.

EDULEARN22 was held in Palma (Spain) last 4-6 July 2022. Every year, EDULEARN brings together lecturers and researchers from universities and educational institutions from all over the world. This edition welcomed participants from 79 different countries, ensuring a geographic diversity and a multicultural environment.

The main objective of EDULEARN22 was to offer a meeting point for educational experts to share and discuss their experiences and projects on education, pedagogical technologies, and educational innovations. The conference program offered different keynote speeches, plenary sessions, parallel thematic sessions and workshops delivered by education experts. The keynote speeches are available at IATED Talks ([iated.org/talks/](https://iated.org/talks/))

In addition to the Technical Program, different networking activities and events were scheduled where participants could interact with other delegates and shared their perspectives on education.

The scope of EDULEARN22 included the following topics: Digital Tools In Education, Digital literacy, Open Educational Resources, Virtual and Augmented Reality, Flipped learning, e-learning experiences, Blended and Hybrid learning, m-learning, digital transformation in education, Game-based learning, MOOCs, Coding and Computational Thinking, Digital Technologies for learning under lockdown, Personalized and Adaptive learning, Peer and Team-based learning, Student Engagement, University-Industry cooperation, International Projects, Exchange and Mobility Programs, Entrepreneurship Education, Student support and Wellbeing, STEM education, Diversity and Equity in education, Special and Inclusive experiences, Tutoring and Mentoring, Curriculum design, Quality assurance, Active and Experiential learning, Professional Development of Teachers, Pre-Service Teacher experiences, Vocational Education, Digital Competence of Teachers.

The EDULEARN22 Proceedings include the accepted contributions presented at EDULEARN22 Conference. The EDULEARN22 International Program Committee is composed of lecturers and researchers from all over the world. A meticulous job in selecting papers for publication was conducted. We wish to thank the program committee members who conducted a blind peer review process to guarantee the quality of the contributions and presentations. The following points were evaluated: information content, relevance to the field, general structure, clarity of contents, originality, relation to the conference topics and disciplines. The language of the publication was exclusively English.

Moreover, EDULEARN22 aims to publish conference proceedings that contain high-quality original research articles, meeting the expected ethical standards. Authors publishing in EDULEARN22 Proceedings signed the IATED copyright transfer form. IATED guarantees the high technical and professional quality of the publications, and that good practices and ethical standards are maintained. More information about the publication ethics of IATED is available at: [https://iated.org/publication\\_ethics](https://iated.org/publication_ethics)

Finally, we wish to extend our most sincere thanks to all members and delegates who have contributed to EDULEARN22 Proceedings. We also wish to express our gratitude to all participants and attendees for their engagement, motivation and passion for education.

Luis Gómez Chova  
Agustín López Martínez  
Joanna Lees

## Organizing and Program Committee

### Organizing Committee

#### Program Chairs

Luis Gómez Chova, *University of Valencia, Spain*  
Agustín López Martínez, *University of Barcelona, Spain*  
Joanna Lees, *CEU Cardinal Herrera University, Spain*

#### Local Arrangements Chairs

David Martí, *International Academy of Technology, Education and Development, Spain*  
M<sup>a</sup> Jesús Suesta, *International Academy of Technology, Education and Development, Spain*  
Javi Doménech, *MSX International Techservices, Spain*  
Miguel Peiró, *Progresa Vocational Training Center, Spain*

#### Publication Chairs

Chelo González, *Polytechnic University of Valencia, Spain*  
Ignacio Candel Torres, *Capgemini, Spain*

#### Publicity Chairs

Eladio Duque, *International Academy of Technology, Education and Development, Spain*  
Juanan Herrero, *Graphimage Graffor, Spain*

#### Web Masters

Jose Luis Bernat, *International Academy of Technology, Education and Development, Spain*  
Javier Martí, *IVIRMA Global IT, Spain*

### Session Chairs

Abdelhak Oulmane – *Polytechnique Montréal, Canada*  
Adam Frost – *University of Manchester, United Kingdom*  
Amtiaz Fattum – *The Arab Academic College for Education - Haifa, Israel*  
Ann Conway – *Technological University Dublin, Ireland*  
Asta Daunoriene – *Kaunas University of Technology, Lithuania*  
Ayelet Weizman – *Kibbutzim College of Education, Technology and the Arts, Israel*  
Bernhard Bengler – *Hawai'i Pacific University, United States*  
Bert Zulauf – *Heinrich-Heine-University of Düsseldorf, Germany*  
Bettina Fuhrmann – *Vienna University of Economics and Business, Austria*  
Bob Barrett – *American Public University, United States*  
Dale Reed – *University of Illinois Chicago, United States*  
Debby Cotton – *Plymouth Marjon University, United Kingdom*  
Denis Liakin – *Concordia University, Canada*  
Doris Elster – *University of Bremen, Germany*  
Emmanuel Glakpe – *Howard University, United States*  
Farshid Zabihian – *California State University, Sacramento, United States*  
Gary Wingenbach – *Texas A&M University, United States*  
Guenter Tusch – *Grand Valley State University, United States*

Gunnar Oskarsson – *University of Iceland, Iceland*  
Hanna Haydar – *Brooklyn College - City University of New York, United States*  
Ilze Kacane – *Daugavpils University, Latvia*  
Jana Bérešová – *Trnava University, Slovakia*  
Jennifer Robinson – *University of Arizona Global Campus, United States*  
Jens Siemon – *University of Hamburg, Germany*  
Jim Playfoot – *White Loop, United Kingdom*  
Karen Eini – *Ruppin Academic Center, Israel*  
Kathrin Bierwirth – *Institute for Social Research and Social Economy, Germany*  
Katia Karadjova – *Georgia Southern University, United States*  
Keith Buckley – *Rollins College, United States*  
Kelvin Sung – *University of Washington, United States*  
Kjetil Falkenberg – *KTH Royal Institute of Technology, Sweden*  
Laura Mason – *Swansea University, United Kingdom*  
Lecia Barker – *University of Colorado Boulder, United States*  
Liam Morgan – *University of Technology Sydney, Australia*  
Louis Babineau – *Université du Québec à Rimouski, Canada*  
Luís Moreira – *Colégio Casa Mãe, Portugal*  
Mangala Tawde – *Queensborough CC, CUNY, United States*  
Manuela Milani – *Humanitas University, Italy*  
Maria Luisa Spreafico – *Politecnico di Torino, Italy*  
Maria Susy Rogers – *University of South Wales, United Kingdom*  
Marie-Pierre Gagnon – *Université Laval, Canada*  
Marilyn Dono-Koulouris – *St. John's University, United States*  
Mario Mäeots – *University of Tartu, Estonia*  
Marta Fuentes Agustí – *Universitat Autònoma de Barcelona, Spain*  
Martina Bode – *University of Illinois at Chicago, United States*  
Martina König – *University of Applied Sciences, FH JOANNEUM Graz, Austria*  
Martino Pavignano – *Politecnico di Torino, Italy*  
Meital Amzalag – *Holon Institute of Technologies, Israel*  
Mercedes Valiente Lopez – *Universidad Politécnica de Madrid, Spain*  
Merja Laamanen – *University of Jyväskylä, Finland*  
Michael Dorff – *Brigham Young University, United States*  
Michal Menšík – *Moravian Business College Olomouc, Czech Republic*  
Mohsen Dorodchi – *University of North Carolina at Charlotte, United States*  
Monica Dugo – *Virtual Internships, United Kingdom*  
Pamela Brett MacLean – *University of Alberta, Canada*  
Pernilla Falkenberg Josefsson – *Södertörns University, Sweden*  
Rebecca Allen – *Mount St. Joseph University, United States*  
Reed Stevens – *Northwestern University, United States*  
Roslyn Johnson-McCurry – *Southern Crescent Technical College, United States*  
Sami Ammar – *Polytechnique Montréal, Canada*  
Taija Chaya Votkin – *Aalto University, Finland*  
Thomas Rachfall – *HS Merseburg, Germany*  
Vegard Johansen – *NTNU - Norwegian University of Science and Technology, Norway*

### **International Program Committee**

Alexander Mikroyannidis – *The Open University, United Kingdom*  
Aline Grunewald Nichele – *Fed. Inst. of Edu., Sci. & Tech. of Rio Grande do Sul, Brazil*  
Ana Lucas – *Universidade Europeia / Laureate International Universities, Portugal*  
Ana Paula Lopes – *Polytechnic Institute of Oporto, Portugal*  
Anamarija Štefić – *Josip Juraj Strossmayer University of Osijek, Croatia*  
Andrew Youde – *The University of Huddersfield, United Kingdom*  
Anemona Peres – *Frontex, Poland*  
Asako Ohno – *Osaka Sangyo University, Japan*  
Bob Barrett – *American Public University, United States*  
Boza Tasic – *Ryerson University, Canada*  
Bozena Mannova – *Czech Technical University in Prague, Czech Republic*  
Chang-Tik Chan – *Monash University Malaysia, Malaysia*  
Chiew Hong Ng – *National Institute of Education, Singapore*  
Elena Savova – *University of Library Studies and Information Technologies, Bulgaria*  
Fausto Brevi – *Politecnico di Milano, Italy*  
Filomena Soares – *Polytechnic of Porto, Portugal*  
Hanna-Riitta Kymäläinen – *University of Helsinki, Finland*  
Helen Reddy – *University of Nottingham, United Kingdom*  
Iolie Nicolaidou – *Cyprus University of Technology, Cyprus*  
Jana Bérešová – *University of Trnava, Slovakia*  
Jane Davies – *University of Nottingham, Malaysia*  
Kathleen O'Sullivan – *University College Cork, Ireland*  
Laura Zizka – *Ecole Hôtelière de Lausanne / HES-SO Univ. of App. Sci. & Arts, Switzerland*  
Leonor Silva de Mattos – *University of Hertfordshire, United Kingdom*  
Louise Robson – *University of Sheffield, United Kingdom*  
Manuel Gericota – *Polytechnic of Porto, Portugal*  
Maria Luisa Spreafico – *Politecnico di Torino, Italy*  
Maria Susy Rogers – *The University of South Wales, United Kingdom*  
Marion Milton – *University of Notre Dame, Australia*  
Martina Bode – *University of Illinois at Chicago, United States*  
Michelle Flood – *Royal College of Surgeons, Ireland*  
Monika Jakubiak – *Maria Curie-Sklodowska University, Poland*  
Nathalie Wesseling – *Amsterdam University of Applied Sciences, Netherlands*  
Polona Gradišek – *University of Ljubljana, Slovenia*  
Rebecca Allen – *Mount St. Joseph University, United States*  
Sandra Gomes – *IPAM, Portugal*  
Sean Lancaster – *University of Bristol, United Kingdom*  
Siobhan O'Sullivan – *Khalifa University in Medical Education, United Arab Emirates*  
Suzy Connor – *Kyushu University, Japan*  
Teemu Patala – *Context Learning Finland Oy, Finland*  
Teresa Cardoso – *Universidade Aberta, LE@D, Portugal*  
Thomas Rachfall – *Hochschule Merseburg, Germany*  
Tunde Szecsi – *Florida Gulf Coast University, United States*  
Victor Fester – *University of Waikato, New Zealand*  
Victoria Brennan – *Liverpool John Moores University, United Kingdom*  
Wayne Bailey – *The University of Huddersfield, United Kingdom*  
Wendy Gorton – *EdTechTeam, United States*



## Panel Chairs

Desiree Cranfield – *Swansea University, United Kingdom*

Julie Smith – *Webster University, United States*

Maria Luisa Spreafico – *Politecnico di Torino, Italy*

Michelle R. Weise – *National University System, United States*

Omar Blibech – *Gulf University, Bahrain*

Reed Stevens – *Northwestern University, United States*

Stephen Heppell – *Universidad Camilo José Cela, Spain*

Wayne Holmes – *University College London, United Kingdom*



### **Wayne Holmes, University College London (United Kingdom)**

#### ***Workshop: The right type of AI in Education***

Current AI in education approaches tend to be solutions- rather than problems-oriented. In this workshop, we're going to take steps to address this, focusing on identifying genuine education problems that the application of AI might help address. Throughout, we will take a critical and human rights perspective, and will ensure a voice for all.



### **Michelle R. Weise, National University System (United States)**

#### ***Workshop: Jumping to your next S-curve***

In this futures-oriented workshop, Dr. Michelle R. Weise will facilitate small group breakout sessions in which you will each have an opportunity to think through your current business or organizational model as well as your value proposition for the working learners of today and tomorrow.



### **Stephen Heppell, Universidad Camilo Jose Cela (Spain)**

#### ***Workshop: The aggregation of marginal learning gains: making your learning space so very much better***

The workshop explores the many environmental details covered in Stephen's keynote and seeks simple, cost effective, proven, try-today, solutions to optimising your learning space. If we want to be our best learning selves, then how might we start today?



### **Desiree Cranfield, Swansea University (United Kingdom)**

#### ***Workshop: Knowledge Sharing café – teaching innovation before, during and after Covid-19***

The aim of this session is to provide an opportunity for attendees, academics, to come together, in an informal setting to informally share teaching experiences, both good and bad, with the aim to inform practice.

The impact of this session can be the building of networks, the immediate sharing of teaching best practice of a time before, during, and after the pandemic, improving the knowledge around teaching practice during this difficult period.



### **Julie Smith, Webster University in St Louis, Missouri (United States)**

#### ***Workshop: Media Literacies: The 21st Century Survival Skills that can Change the World***

People around the world are spending – on average – eight hours a day with electronic mass media. Yet even in 2022, we are still not talking enough about how this affects people personally, politically, physically, emotionally and educationally. Using theoretical frameworks to provide context as well as classroom experiences to provide relevance, Smith will explain the importance of media literacy skills, how to teach them and the difference they can make in the lives of citizens and students.



**Reed Stevens, Northwestern University (United States)**

***Workshop: FUSE Studios: A Choice and Interest Centered Learning Environment***

In this one-hour session, the FUSE team, led by creator Reed Stevens, will seek to bring the audience inside the FUSE experience in two ways over the first 25 minutes: (1) We will provide a tour of the design principles and core activities of a FUSE Studio. (2) We will share vivid representations of youth and teacher-facilitator experiences in FUSE, drawn from a half decade of video-based ethnographic fieldwork and extended interviews with students. In the second 25 minutes, we will seek to bring the audience further inside the FUSE experience via trying one or more FUSE challenges.



**Maria Luisa Spreafico, Politecnico di Torino (Italy)**

**Paola Morando, Università degli studi di Milano (Italy)**

***Workshop: Not only math: a game-based learning experience for a new teaching approach***

In this workshop we present three didactic games in two versions each: math and art, math and science and math and English. Participants will experience the activities live during the workshop. Since we only use everyday materials, like paper and recycled items, teachers can easily replicate the games in their own classes.



**Hesham Elmarsafawy, Gulf University (Bahrain)**

***Workshop: Science Fiction Drama for Continuous Development in Higher Education***

The Workshop aims to introduce innovative pedagogy and outline the mechanism of utilizing science fiction drama in the educational processes as alternative tool for Brain warm-up, support the understanding of science matters, forming futuristic view, foster creativity and enhance students' learning abilities and engagement.

## EDULERN22 Keynote Speakers

### Keynote Speakers

Michelle R. Weise – National University System, United States

Stephen Heppell – Universidad Camilo Jose Cela, Spain

Wayne Holmes – University College London, United Kingdom

### Michelle R. Weise – National University System (United States)



**Keynote speech: Long Life Learning: Preparing for Jobs that Don't Even Exist Yet**

Tech is advancing; jobs are morphing, and job tenure is shorter; retirement is delayed or gone entirely; and education has to be continuous. Education and workforce strategist Dr. Michelle R. Weise talks about the infrastructure we need to build for a future filled with 20, 30, or more job changes. From wraparound supports for workers to targeted education, integrated earning and learning, and transparent and fairer hiring, Dr. Weise will discuss the research from her latest book and how we prepare talent for jobs that don't even exist yet.

**Biography:** Dr. Michelle R. Weise (pronounced W-ice) is the Vice Chancellor of Strategy and Innovation at National University System. She is also the author of *Long-Life Learning: Preparing for Jobs that Don't Even Exist Yet* (Wiley, 2021). Her book was awarded the 2021 Phillip E. Frandson Award for Literature by UPCEA (University Professional and Continuing Education Association), recognizing the author and publisher of an outstanding work of continuing higher education literature. Thinkers50 named her one of 30 management and leadership thinkers in the world to watch in 2021. Dr. Weise's work over the last decade has concentrated on preparing working-age adults for the jobs of today and tomorrow. She has served as a senior advisor at Imaginable Futures, a venture of The Omidyar Group. She was also the chief innovation officer of Strada Education Network as well as of Southern New Hampshire University. With Clayton Christensen, she coauthored *Hire Education: Mastery, Modularization, and the Workforce Revolution* (2014) while leading the higher education practice at Christensen's Institute for Disruptive Innovation. Dr. Weise also advises BrightHive, a data collaboration platform, the Virginia Economic Development Partnership, the Institute for Higher Education Policy (IHEP), the SkillUp Coalition, Basta, Hitch, Bayes Impact, Clayton Christensen Institute Social Capital R&D Project, and World Education's Personal and Workplace Success Skills Library. She has also served as a commissioner for Massachusetts Governor Baker's Commission on Digital Innovation and Lifelong Learning, Harvard University's Task Force on Skills and Employability, and the American Academy of Arts and Sciences' Commission on the Future of Undergraduate Education. Her commentaries on redesigning higher education and developing more innovative workforce and talent pipeline strategies have been featured in *The Economist*, *The Wall Street Journal*, *The New York Times*, *Harvard Business Review* and on *PBSNewshour*. Michelle is a former Fulbright Scholar and graduate of Harvard and Stanford.

### Stephen Heppell – Universidad Camilo Jose Cela (Spain)



**Keynote speech: The aggregation of marginal learning gains: why they matter so much for the future of Learning**

Learners are facing unprecedented choices - not only of nomadic campuses, hybrid systems and remarkable new technologies, but also of the many details, from light brightness to levels of volatile organic compounds in their learning places, and even diet. These combine to have a substantial impact on our learning, but if we neglect them, then today's learners will seek better places for their learning, elsewhere. This keynote also explores where those better places might be.

**Biography:** Professor Stephen Heppell has been a professor since the 1980s, he has an unrivalled track record of success and a string of huge projects in both Learning and Technology. He is credited with being the person who put the C into ICT. His support for better Learning is sought by everyone from governments and major corporations, through schools and universities, to elite sports – lately England Rugby, and Team GB’s elite Olympic coaches. Everyone needs better learning. He currently holds the Felipe Segovia Chair of Learning Innovation at Universidad Camilo Jose Cela in Madrid. Additionally, he is Emeritus Professor and Chair of New Learning Environments at Anglia Ruskin University. A pioneer of multimedia and CD-ROM before the Internet, post-internet Professor Heppell created and led what was the Guinness Book of Record’s largest internet learning project, years before Google, Facebook et al. He has been, and continues to be, at the heart of many world leading projects since. Professor Heppell’s learning space design work extends beyond the digital and virtual. Pioneering learning space designs include the UK “Classrooms of Tomorrow” project, much work in the UK Building Schools for the Future initiative, and today school and university building projects ranging from Peru to Spain, from Australia to SE Asia, from Syrian refugees to some of the wealthiest learning institutions in the world. Pivotal research including the learnometer project analysing the light, temperatures, CO2 and more that contribute to better learning and working spaces, have led to Stephen being in considerable demand to transform physical learning spaces in education, but also everywhere from new media to the Australian mining industries.

### Wayne Holmes – University College London (United Kingdom)



#### **Keynote speech: Artificial Intelligence and Education. A Critical Studies Perspective**

Artificial Intelligence (AI) is frequently hailed as a ‘solution’ to many of education’s core problems (e.g., OECD, 2021) – problems such as the lack of qualified teachers, student underachievement, and better preparing learners for workplaces and career paths that may be very different from current paradigms. However, such claims tend to be aspirational rather than evidence-based (Miao & Holmes, 2021), and overly-simplistic, forgetting issues such as agency, pedagogy, surveillance, efficacy, and ethics (Holmes et al., 2021; Holmes et al., in press; Holmes & Porayska-Pomsta, in press; Porayska-Pomsta, Holmes and Nemorin, in press). Current approaches tend to be solutions- rather than problems-oriented, and all too often replace teacher functions rather than empower teachers, while the teaching of AI almost always focuses on the technological dimension of AI to the exclusion of the human dimension. Accordingly, this presentation will explore teaching with and about AI, from a critical studies and human rights perspective. It will identify and address many of the key myths, and will pose more questions about AI and the futures of learning than it answers.

**Biography:** Wayne Holmes (PhD, University of Oxford) is a learning sciences and innovation researcher who teaches at University College London and is a researcher on Artificial Intelligence (AI) and education for UNESCO, IRCAI (the International Research Centre for Artificial Intelligence under the auspices of UNESCO), and the Council of Europe. Having been involved in education throughout his life, Wayne brings a critical studies perspective to the connections between AI and education, and their ethical and social implications. His recent publications include “The Ethics of AI in Education: Practices, Challenges and Debates” (in press), “Artificial Intelligence and Education, through the Lens of Human Rights, Democracy and the Rule of Law” (in press), “Artificial Intelligence in Education. Promise and Implications for Teaching and Learning.” (2019), “Ethics of AI in Education: Towards a Community-Wide Framework.” (2021), and, for UNESCO, “AI and Education: Guidance for Policy-makers.” (2021). Wayne also co-authored the EU’s DigComp 2.2 Annex “Citizens Interacting with AI Systems” (2022), and has given invited talks on AI and education in Brazil, China, Croatia, Denmark, Germany, Greece, India, Japan, Oman, Slovenia, Spain, and the US (and online to audiences in many other countries around the world).

## Conference Tracks & Sessions

The EDULEARN22 conference program is available online at <https://iased.org/edulearn22>

### ORAL SESSIONS MONDAY

Digital Literacy  
Next Generation Classroom  
Student Engagement  
University-Industry Collaboration  
International Cooperation  
Language Learning and Teaching  
STEM Education during COVID-19  
Media Literacy, Cybersecurity and Data Privacy  
Flipped Learning  
Peer and Team-Based Learning  
Entrepreneurship Education  
Exchange and Mobility Programmes  
Language Learning Technologies  
Architecture & Civil Engineering Education  
Metaverse and Virtual Reality Environments  
MOOCs & Open Educational Resources  
Personalized and Adaptive Learning  
Life-long & Workplace Learning  
Educational Management  
Pedagogical Innovations in Engineering Education  
Digital Tools in Maths Education  
Virtual & Augmented Reality  
Blended & Hybrid Learning  
Tutoring and Mentoring  
Education for Sustainability  
Student Support and Wellbeing  
Experiences in Engineering Education  
Maths in Higher Education

### POSTER SESSIONS MONDAY

Emerging Technologies in Education  
New Experiences in Education

### ORAL SESSIONS TUESDAY

Digital Transformation of Education  
Data Science & AI in Education  
Student Support during COVID-19  
From Face-to-Face to Remote Learning (1)  
Diversity and Equity in Education  
Health Literacy and Patient Education  
Mathematics in Primary & Secondary Education  
e-Learning Experiences  
Work-based Learning  
Assessment of Student Learning (1)  
Early and Primary Education  
Social Inclusion and Academic Success of Chinese Students in EU Higher Education  
Experiences in Health Sciences Education  
STEM Education Experiences

m-Learning  
Active & Experiential Learning  
Assessment of Student Learning (2)  
From Face-to-Face to Remote Learning (2)  
Digital Divide and Educational Inequalities  
Special and Inclusive Education  
Curriculum Design & Quality Assurance  
Digital Technologies for Learning under Lockdown  
Game-based Learning  
Computer Science and Programming in Higher Education  
From Face-to-Face to Remote Learning (3)  
Teaching Experiences and Support during COVID-19  
Business Education Experiences  
Professional Development of Teachers  
21st Century Skills  
Digital Competences of Teachers  
Coding & Computational Thinking  
Emergency Remote Teaching during COVID-19  
Student Wellbeing in Social Media and Online Learning  
Vocational Education  
Pre-service Teacher Experiences

## **POSTER SESSIONS TUESDAY**

From face-to-face to Remote Learning  
New Trends in Education and Research

## **VIRTUAL SESSIONS**

### **DIGITAL TRANSFORMATION OF EDUCATION**

Data Science & AI in Education  
Learning Analytics & Educational Data Mining  
Digital Transformation  
Digital Technologies and Resources for Learning under Lockdown  
21st Century Skills  
Educational Programming & Robotics

### **DIGITAL & DISTANCE LEARNING**

Distance Education in COVID-19 Times  
Challenges and Practices during the Pandemic and Beyond  
Blended & Mobile Learning  
MOOCs & Open Educational Resources  
Learning Management Systems & Virtual Learning Environments

### **INNOVATIVE EDUCATIONAL TECHNOLOGIES**

AI, Chatbots & Robots  
Virtual & Augmented Reality  
Social Media in Education  
Technology Enhanced Learning

### **TEACHER TRAINING & ED. MANAGEMENT**

ICT & Digital Skills  
Professional Development of Teachers  
Educational Management

**ACTIVE & STUDENT-CENTERED LEARNING**

Gamification & Game-based Learning  
Experiential Learning  
Problem & Project-Based Learning  
Soft Skills Development  
Pedagogical Innovations

**ASSESSMENT, MENTORING & STUDENT SUPPORT**

Assessment & Evaluation  
Rethinking Assessment in COVID-19 Times  
Feedback for Learning  
Tutoring & Coaching  
Student Support & Motivation

**EDUCATIONAL STAGES & LIFE-LONG LEARNING**

From Pre-school to Secondary Education  
Non-Formal and Informal Learning  
Transition to the Job Market  
Developing Entrepreneurship in Education  
Life-Long & Workplace Learning

**QUALITY & IMPACT OF EDUCATION**

Quality in Education  
Experiences and Challenges in Curriculum Design  
Sustainability & Social Impact of Education  
Links between Education and Research  
University-Industry Collaboration  
Mobility & International Projects

**MULTICULTURALITY & INCLUSION**

Multicultural Education  
Diversity Issues  
Special Educational Needs  
Inclusive Education

**STEM EDUCATION**

Mathematics & Statistics  
Engineering Education  
STEM Experiences

**LANGUAGE LEARNING AND TEACHING**

Foreign Languages  
Language Learning & Translation Studies  
Teaching Foreign Languages during the Lockdown

**DISCIPLINE-ORIENTED SESSIONS**

Architecture & Interior Design Education  
Health Sciences Education  
Computer Science Education  
Business & Tourism Education

## Table of Contents

<b>TEACHER TRAINING DURING THE PANDEMIC OUTBREAK: THE EXPERIENCE OF AN ECUADORIAN PUBLIC UNIVERSITY</b>	1
<i>K. Salvador-Cisneros, C. Bolaños-Mendoza</i>	
<b>PREPARE PUBLIC OPINION AND REMOVE BARRIERS TO INTELLIGENT ENERGY USE</b>	9
<i>H. Friman, G. Konforty, M. Zarmati, Y. Sitbon, I. Banner, Y. Einav, N. Shaked</i>	
<b>GAME – SET – MATCH: GROW! HOW PROFESSIONAL TENNIS FOSTERS PERSONAL DEVELOPMENT OF BUSINESS STUDENTS</b>	16
<i>B. Greimel-Fuhrmann, R. Berger, W. Eschauer</i>	
<b>STRATEGIES FOR USING SOCIAL MEDIA APPS TO INCREASE ENGAGEMENT IN ONLINE LEARNING</b>	21
<i>G. Solano</i>	
<b>PECULIARITIES OF ACQUIRING LINGUISTIC MATERIAL BY AUTISTIC FOREIGN LANGUAGE STUDENTS IN THE INCLUSIVE EDUCATION FRAMEWORK</b>	22
<i>S. Kogotkova, O. Lisyutina, O. Beletskaya, D. Ushakova, E. Bogdanova</i>	
<b>IS PUBLIC HEALTH WORTH STUDYING DURING THE COVID-19 PANDEMIC? A QUALITATIVE ANALYSIS</b>	27
<i>J. Gotlib, M. Jaworski, P. Małkowski, M. Panczyk</i>	
<b>SELF-REFLECTION IN SHAPING THE RELATIONSHIP BETWEEN THE AUTHENTIC LEADERSHIP SKILLS AND THE ATTITUDE TOWARDS EVIDENCE-BASED NURSING PRACTICE - THEORETICAL MODEL FOR POSTGRADUATE EDUCATION</b>	35
<i>M. Panczyk, D. Wawrzuta, S. Musik, M. Jaworski, J. Gotlib</i>	
<b>USING AN ARTISTIC APPROACH TO THE TEACHING OF SOLID GEOMETRY IN A PROFESSIONAL DEVELOPMENT COURSE FOR MATHEMATICS TEACHERS</b>	43
<i>A. Hall, S. Pais</i>	
<b>USING A STEAM APPROACH IN A PROFESSIONAL DEVELOPMENT COURSE FOR MATHEMATICS TEACHERS</b>	53
<i>A. Breda, P. Carvalho, A. Hall</i>	
<b>ROLE PERCEPTION OF NOVICE TEACHERS: GENERAL EDUCATION TEACHERS VS. SPECIAL EDUCATION TEACHERS</b>	62
<i>S. Bar-On, B. Gavish</i>	
<b>STUDENTS' PERCEPTIONS OF FLIPPED CLASSROOM APPROACH – RESULTS FROM AN EDUCATIONAL INNOVATION PROJECT</b>	64
<i>A.P. Lopes, F. Soares, A. Bentabol, A. Esteban, M.M. Muñoz, M.D. Ruiz, M.J. Bentabol, M. Rojas de Gracia, M. Soler, R. Caña</i>	
<b>SPREADING PHOTONICS AT THE EUROPEAN RESEARCHERS' NIGHT</b>	71
<i>R.A. Perez-Herrera, S. Tainta, M. Bravo Acha</i>	
<b>ONLINE ENGINEERING MATHEMATICS COURSE – DEVELOPMENT AND IMPLEMENTATION OF A SUCCESSFUL PROJECT</b>	76
<i>F. Soares, A.P. Lopes, A. Cellmer, A. Uukkivi, C. Serrat, C. Pantazi, C. Feniser, E. Safiulina, E. Martin, F. Serdean, I. Kierkosz, G. Kelly, J. Cymerman, K. Brown, M. Alier, M. Latõnina, M. Bruguera, M.R. Estela, O. Labanova, V. Bocanet, V. Sushch</i>	
<b>ASSESSMENT OF THE EXTENT OF PRESCHOOL TEACHERS' UTILISATION OF INFORMATION AND COMMUNICATION TECHNOLOGY IN TEACHING</b>	86
<i>C. Ugwuanyi, C. Okeke</i>	
<b>COULD YOU TEACH CRITICAL THINKING THROUGH PROJECT-BASED LEARNING? FINDING THE ANSWERS THROUGH A META-ANALYSIS</b>	92
<i>I. Alzaabi</i>	
<b>STUDENTS' PREFERENCES REGARDING SOFT SKILLS TRAINING AFTER REMOVAL OF RESTRICTIONS FROM COVID19 AND IN GENERAL</b>	99
<i>H. Friman, H. Ragones, M. Balberg</i>	
<b>STUDENTS' PERCEPTION OF PARENTAL BEHAVIOR AND AUTHORITY AS PREDICTOR OF STUDENT-PROFESSOR INTERACTION</b>	103
<i>A. Mandarić Vukušić, A. Grčić, D. Dolić, M. Ljubetić</i>	
<b>VISITS WITH STUDENTS TO COMPANIES: EFFECTIVE LEARNING ON SITE</b>	113
<i>M.V. Biezma-Moraleda</i>	



<b>ICT USE BY CZECH ADOLESCENTS AND YOUNG ADULTS DURING THE PERIOD OF THE COVID-19 PANDEMIC</b>	119
<i>I. Olecká, J. Pospíšil</i>	
<b>ABUSE EXPERIENCES ON SOCIAL NETWORKING SITES AND RECOMMENDATIONS FOR CHANGES IN PREVENTION</b>	124
<i>I. Olecká, J. Pospíšil, L. Trochtová</i>	
<b>EVALUATION OF THE IMPACT OF ONLINE TEACHING ON STUDENTS WITH SPECIAL EDUCATIONAL NEEDS (SEN)</b>	130
<i>V. Lee, J. Lee, A. Ho, R. Cheung, J. Ng</i>	
<b>CONCEPTUAL AND THEORETICAL MODEL OF OPTIMISM AND SHAME IN EVIDENCE-BASED NURSING EDUCATION</b>	131
<i>M. Jaworski, D. Wawrzuta, J. Gotlib, M. Panczyk</i>	
<b>DEVELOPING PUBLIC SPEAKING SKILLS IN A GROUP OF PUBLIC HEALTH STUDENTS WITH THE USE OF THE MICROSOFT TEAMS PLATFORM. ASSESSMENT OF THE QUALITY OF EDUCATION: A QUALITATIVE ANALYSIS</b>	139
<i>J. Gotlib, M. Jaworski, D. Wawrzuta, P. Małkowski, M. Panczyk</i>	
<b>USABILITY ASPECTS FOR ONLINE COURSES</b>	148
<i>B. Doersam, N. Schuler</i>	
<b>GAME-BASED LEARNING AS A TOOL FOR ENHANCING STUDENT ENGAGEMENT AND LEARNING EXPERIENCES IN VIRTUAL CLASSES</b>	158
<i>Z. Ismat, M. Neo, S.H. Hew, F.T. Leow, K.Y. Ang, Y.Y. Tan</i>	
<b>MANAGEMENT OF FINAL EXAMINATIONS DURING THE PANDEMIC COVID-19</b>	165
<i>J. Ďurica, A. Velas, V. Soltés</i>	
<b>LINKS BETWEEN MATHEMATICS EDUCATION AND DANCE</b>	171
<i>M. López, S. Carnero, J. Rodrigo, S. Lantarón, Y. López</i>	
<b>PROMOTING SUSTAINABILITY LITERACY IN SCIENCE EDUCATION</b>	181
<i>D. Elster</i>	
<b>DO AS I SAY, DON'T DO AS I DO: DEMOCRATISING AND DEMYSTIFYING ACADEMIC WRITING THROUGH TECHNOLOGY</b>	188
<i>E. Tan, S. Carnegie</i>	
<b>EXPLORING THE CONTRIBUTION OF LINGUISTIC, COGNITIVE AND CULTURAL FACTORS TO THE DIDACTICS AND KNOWLEDGE BUILDING OF SCIENCE WITH A FOCUS ON MATHEMATICS AND COMPUTER SCIENCE</b>	189
<i>M. Kritikou, D. Tsolis</i>	
<b>HOW SPANISH UNIVERSITIES ARE ADDRESSING SOCIAL ISSUES IN THEIR STRATEGIC PLANS?</b>	194
<i>E. Planells-Alexandre, R. Isusi-Fagoaga, A. García-Aracil</i>	
<b>SOCIAL INNOVATION APPROACHES AT HIGHER EDUCATION INSTITUTIONS</b>	204
<i>E. Planells-Alexandre, A. García-Aracil, R. Isusi-Fagoaga</i>	
<b>TEACHING HEALTH PROMOTION TO BUILD RESILIENCE IN CRITICAL COVID-19 TIMES</b>	213
<i>D. Vankova</i>	
<b>AN INCLUSIVE GAMIFIED LEARNING ENVIRONMENT FOR ENABLING QUALITY EDUCATION FOR DISADVANTAGED LEARNERS</b>	222
<i>I. Stefan, A. Stefan, H. Tsalapatas, O. Heidmann</i>	
<b>HARDWARE IN THE LOOP TEST BENCH DEVELOPMENT SUITABLE FOR NEW SPACE CONCEPT</b>	223
<i>A. Flores Caballero, A. Marcos</i>	
<b>EARLY DESIGN OF A HIGHLY INTERACTIVE DIGITAL COLLABORATION SERVICE FOR HYBRID LEARNING</b>	232
<i>H. Tsalapatas, O. Heidmann, T. Jesmin, J. Terasmaa, C. Vaz de Carvalho, I. Stefan, A. Stefan, M. Caeiro</i>	
<b>SOFTWARE TRAINING TOOL AT SUPPORTING DEVELOPMENT OF CREATIVE KNOWLEDGE IN THE FIELD OF TECHNOLOGICAL PREPARATION OF PRODUCTION</b>	238
<i>P. Baron, M. Kociško, E. Franas</i>	
<b>EDUCATIONAL INTEGRATION OF DIGITAL TECHNOLOGIES DURING COVID-19 PANDEMIC: AN EXPERIMENT IN THE FACE OF EMERGENCY REMOTE LEARNING?</b>	245
<i>B. Olawale, V. Mncube, W. Hendricks</i>	
<b>"US" AND "OTHERS": COMMUNICATING INTERCULTURAL PERCEPTIONS IN HIGHER EDUCATION</b>	251
<i>A.M. Capraru, S.M. Munteanu, S. Paduretu, L. Braniste</i>	

<b>THE TRANSFORMATION LEADERSHIP ROLE OF PRIVATE HIGHER EDUCATION IN PROMOTING SOCIAL JUSTICE: A SOUTH AFRICAN CASE</b>	258
<i>W. Engelbrecht, W. Bowles, B. van Wyk</i>	
<b>A ROOM OF ONE'S OWN: HOW 'OLD' EDUCATIONAL INEQUALITIES CAN BE PERPETUATED AND DEVELOPED BY ONLINE PLATFORMS</b>	259
<i>K. Angell</i>	
<b>AN EXOGENOUS THREAT THAT LED TO ENDOGENOUS CHANGE: THREE INNOVATIVE PEDAGOGICAL RESPONSES TO TEACHING PRACTICAL COURSES ONLINE DURING COVID-19 LOCKDOWNS</b>	263
<i>K. Angell</i>	
<b>FEMALE FACULTY IN HIGHER EDUCATION IN GREECE: DATA ANALYSIS AND VISUALIZATION, TRENDS AND PERSPECTIVES</b>	264
<i>E. Prappa, E. Papaioannou, C. Kaklamanis</i>	
<b>A WEB APPLICATION FOR SCHEDULING EDUCATIONAL VISITS</b>	274
<i>A. Prappa, E. Papaioannou, C. Kaklamanis</i>	
<b>ENHANCING KNOWLEDGE ACQUISITION IN CHEMICAL ENGINEERING STUDIES THROUGH "QUIZZ" PLATFORM CLASS COMPETITIONS</b>	283
<i>M.A. Delgado Canto, C. Roman, I. Martínez García, Y.M. Isa, L. Lazar, M. García-Morales</i>	
<b>CHANGES IN PERCEPTIONS OF STUDENT SELF-ASSESSMENT</b>	292
<i>E. Aflalo</i>	
<b>CASE STUDY ON THE EFFECTIVENESS OF THE MENTAL AND PHYSICAL ACTIVITIES IN VIRTUAL AND AUGMENTED REALITY</b>	296
<i>D. Gudoniene, T. Blazauskas, E. Staneviciene, L. Motiejunas</i>	
<b>NATURAL AND HEALTHIER SOCIAL ENVIRONMENTS FOR UNIVERSITY STUDENTS THAT ENHANCE ACADEMIC MOTIVATION</b>	306
<i>M. Uyuskan, B. Erkan, Y. Avci, D. Hasirci</i>	
<b>PRESCHOOL CHILDREN READING SKILLS TEACHING MODULE THROUGH INTERACTIVE WHITEBOARD</b>	315
<i>A.H. Masnan, H.H. Baharudin</i>	
<b>LEARNING HOW TO USE APA GUIDELINES: AN INNOVATIVE EDUCATIONAL INTERVENTION VIA INSTAGRAM</b>	325
<i>S. Collado, R. Rodríguez-Rey, C. Fidalgo, M. A. Sorrel, L. Bermejo-Toro, M. Prieto-Ursúa</i>	
<b>INCULCATING STUDENT PROBLEM-SOLVING SKILLS THROUGH SELF-DIRECTED LEARNING IN A SMART LEARNING ENVIRONMENT</b>	326
<i>T.K. Neo, A. Amphawan, S.H. Hew, M. Neo, K. Hamidani, Y.C. Chang</i>	
<b>A CONCEPTUAL FRAMEWORK USING EXPERIENTIAL LEARNING TO ENCOURAGE STUDENT ENGAGEMENT</b>	333
<i>K. Hamidani, T.K. Neo, V. Perumal, A.I. Susanti, M. Pradana, S. Artadita</i>	
<b>USE OF TECHNOLOGIES IN HIGHER EDUCATION: THE CASE OF TOURISM COURSES</b>	340
<i>A.E. Sousa, S. Pais</i>	
<b>UN-E-NAV: A PROGRESSIVE WEB CAMPUS NAVIGATOR</b>	346
<i>A. Ntoumi, E. Papaioannou, G. Moisiadis, C. Kaklamanis</i>	
<b>CRITICAL REFLECTIVE ASSESSMENT TECHNIQUE: A FRAMEWORK TO CULTIVATE ENGAGED SCHOLARSHIP IN BUSINESS EDUCATION</b>	356
<i>P. Msweli, M. Tabane</i>	
<b>TEACHERS, THE INTERNET, COMPUTERS, AND SMARTPHONES - WHAT SKILL SETS SHOULD TODAY'S EDUCATORS HAVE?</b>	363
<i>L. Tomczyk</i>	
<b>SOFTWARE AND HARDWARE IN THE WORK OF THE MODERN TEACHER IN THE INFORMATION SOCIETY</b>	373
<i>L. Tomczyk, L. Fedeli</i>	
<b>PUBLIC HIGHER EDUCATION FEES IN SOUTH AFRICA: WHAT ACCOUNTS FOR DIFFERENCES?</b>	383
<i>G. Ngorima, P. Msweli</i>	
<b>ENGINEERING STUDIES IN HEBREW FOR ARABIC SPEAKING STUDENTS – THE EFFECT OF STUDYING IN A NON-NATIVE LANGUAGE</b>	391
<i>E. Gur</i>	
<b>THE IMPACT OF COVID-19 ON ACCOUNTING EDUCATION</b>	397
<i>C. Fajardo</i>	

<b>POPULARIZATION OF STEM EDUCATION IN THE COUNTRY OF GEORGIA: STUDENT RECRUITMENT STRATEGY OF SDSU GEORGIA</b> <i>H. Guven</i>	398
<b>ARCHITECTURAL PEDAGOGY: TOWARDS PROFESSIONAL PRACTICE</b> <i>A. Huang, V. Hui, K. Sarmiento</i>	408
<b>A LITERATURE REVIEW RELATED TO 3D TECHNOLOGY PROMOTING SPATIAL VISUALIZATION</b> <i>C.H. Chivai, A. Soares, P. Catarino</i>	417
<b>LECTURERS' JOB PERFORMANCE DURING THE COVID-19 LOCKDOWN: A CONDITIONAL LATENT GROWTH CURVE MODEL</b> <i>M. Ghasemy</i>	426
<b>RESILIENCE-PROMOTING MESSAGING IN POST-PANDEMIC UNIVERSITY COMMUNICATION</b> <i>L. Irimies, E. Mesaros, C. Irimies</i>	436
<b>PREREQUISITES AND FEATURES OF THE DEVELOPMENT OF E-EDUCATION IN THE CONDITIONS OF DIGITALIZATION</b> <i>A. Goloborodko</i>	448
<b>A CRITICAL REALIST EVALUATION OF DIGITAL TECHNOLOGY USE IN HIGHER EDUCATION INSTITUTIONS IN SOUTH AFRICA</b> <i>M.S. Achieng</i>	460
<b>SHORTENING THE GAP BETWEEN BIOMEDICINE AND MEDICAL HUMANITIES: DESIGN AND MAIN OUTCOMES OF A NEW CURRICULUM IN HEALTH COMMUNICATION FOR MEDICAL STUDENTS</b> <i>R. Ruiz Moral, S. Denizon, D. Monge Martín, S. Alvarez Montero, C. Garcia de Leonardo, F. Caballero Martinez</i>	467
<b>IMPROVING ACADEMIC AND PROFESSIONAL ENGAGEMENT IN HIGHER EDUCATION ONLINE STUDENTS THROUGH VIDEO-MAKING: SCHOOL LIBRARIANS ON THE SCREEN</b> <i>T. Sanches</i>	474
<b>FOSTERING STUDENTS' LEARNING THROUGH A STUDY SKILLS TRAINING PROGRAM INTERVENTION</b> <i>L. Moreira</i>	482
<b>FOSTERING 21ST-CENTURY LEARNERS THROUGH SKYPE IN THE CLASSROOM</b> <i>L. Moreira</i>	483
<b>THE SELF-EFFICACY OF TRAINEE TEACHERS WHO WERE RECOMMENDED FOR QUALIFIED TEACHER STATUS (QTS) IN ENGLAND DURING THE COVID-19 PANDEMIC</b> <i>R. Tynan, A. Mallaburn</i>	484
<b>A CRITICAL EVALUATION OF CRITERIA-BASED ASSESSMENT OF SUBJECT KNOWLEDGE AND OTHER COMPETENCIES OF TEACHERS IN TRAINING: A PRACTITIONER RESEARCH JOURNEY</b> <i>R. Tynan</i>	490
<b>STUDENTS' INTERNATIONAL COMPETITION – PROMOTING ENGAGEMENT AND SOCIAL SKILLS</b> <i>F. Soares, A.P. Lopes, V. Bocanet, K. Brown, A. Cellmer, I. Kierkosz, O. Labanova, C. Serrat, A. Uukkivi</i>	498
<b>DIGITAL SERVICE LEARNING LAB: DESIGN AND IMPLEMENTATION OF A DIGITAL TEACHING PLATFORM FOR THE DEVELOPMENT OF STUDENT COMPETENCES THROUGH SERVICE LEARNING PROJECTS</b> <i>A. Schneider, A. Schmalfuß, S. Uhlig</i>	508
<b>ON-LINE CONFERENCE SKILLS ACQUIRING BY ELDERLY IMMIGRANTS FROM FORMER SOVIET UNION IN ISRAEL DURING ISOLATION OF COVID-19</b> <i>N. Khvorostianov</i>	509
<b>ONLINE ASSESSMENT USING DIFFERENT TOOLS AND TECHNIQUES IN HIGHER EDUCATION</b> <i>A.P. Lopes, F. Soares</i>	510
<b>GENERIC ASSESSMENT TOOL FOR ACADEMIC PROGRAM ACCREDITATION</b> <i>Y.E.I. Mansour, M. Ezzat, S. Khahro</i>	518
<b>I AM NOT A ROBOT: LEARNING WITH TECHNOLOGY</b> <i>L. Zizka, G. Probst</i>	527

<b>THE IMPACT OF THE MEDIUM ON TIME ESTIMATION, READING COMPREHENSION AND CONFIDENCE AMONG STUDENTS WITH AND WITHOUT ADHD</b> <i>Y. Meer, T. Katzir</i>	535
<b>MULTIMEDIA DESIGN FOR TACTICAL PLAY LEARNING AMONG SPORT PRACTITIONERS</b> <i>M. McMahan</i>	536
<b>INFUSION OF THE LEARNING MANAGEMENT SYSTEM AT A SOUTH AFRICAN UNIVERSITY OF TECHNOLOGY</b> <i>O. Ogundaini, N.B.W. Mlitwa (Mlita)</i>	548
<b>PSYCHOLOGICAL OWNERSHIP AND THE INTENTION TO DEVELOP OPEN EDUCATION RESOURCES (OER): A THEORETICAL MODEL APPROACH</b> <i>A. Schneider, A. Schmalfuß</i>	558
<b>INDUSTRY-GUIDED EDUCATION (IG-EDU)</b> <i>A. Elmessiry, M. Elmessiry, M. Elmessiry</i>	559
<b>REINFORCING EXPERIENTIAL LEARNING: MAINTAINING AND SUSTAINING ARCHITECTURAL PEDAGOGY PRE- AND POST-COVID</b> <i>V. Hui, A. Weiss, A. Winslow, E. Fernandes, J. Lieberman</i>	567
<b>FINANCIAL LITERACY OF TECHNICALLY ORIENTED STUDENTS IN SLOVAKIA: AN EVALUATION OF FUNDAMENTALS OF FINANCIAL LITERACY</b> <i>I. Katrencik, M. Zatrochova</i>	574
<b>PSYCHOLOGICAL RESEARCH OF INTELLECTUAL AND CREATIVE ABILITIES OF YOUNGER SCHOOLCHILDREN</b> <i>K. Satova, A. Dzhusupova, B. Satanov, B. Sadykova, A. Karkulova</i>	582
<b>LEARNING BY DOING ABOUT HEALTH AND SUSTAINABILITY THROUGH FOOD LABELING</b> <i>M. Cámara, M.C. Matallana, M.L. Pérez-Rodríguez, M.C. Sánchez-Mata, V. Fernández Ruiz, P. Morales, R.M. Cámara, P. García-Herrera, E. Arranz, M. Ciudad-Mulero, L. Domínguez, E.N. Vega, M. Cotacallapa, T. Jaramillo-Vivanco</i>	587
<b>SENSORY ANALYSIS OF FOODS AS A TOOL FOR EDUCATION IN HEALTHY FOOD CHOICES: A SERVICE LEARNING EXPERIENCE (APS)</b> <i>V. Fernández-Ruiz, M. Cámara, M.C. Matallana, M.C. Sánchez-Mata, P. Morales, R.M. Cámara, P. García-Herrera, M. Ciudad-Mulero, L. Domínguez, E.N. Vega</i>	593
<b>CHATBOTS: A PERSONALISED TEACHER'S ASSISTANT OR DIGITAL FAQ?</b> <i>A. Forrester</i>	601
<b>DESIGN AND MULTIMEDIA AS A RESPONSE AND STIMULUS TO NON-FACE-TO-FACE CLASSES IN PRIMARY EDUCATION IN TIMES OF THE COVID 19 PANDEMIC</b> <i>M. Zunguze, Y. Mondlane</i>	602
<b>THE FACTORS CONTRIBUTING TOWARDS POOR LEARNERS' PERFORMANCE IN LIFE SCIENCE: A PRACTICAL COMPONENT</b> <i>K. Maremane, M. Rankhumise, O.N. Mafa-Theledi, E. Ngobeni</i>	608
<b>THE INTRODUCTION OF INTERNATIONAL STUDENTS IN NEW ZEALAND TO THE INDIGENOUS MAORI CULTURE</b> <i>D. Lopez, C. Freeman</i>	614
<b>A FRAMEWORK FOR EMBRACING DIGITAL TRANSFORMATION TO EMPOWER REMOTE LEARNING IN TIMES OF CRISIS (COVID-19) IN SOUTHERN AFRICAN PRIMARY AND SECONDARY SCHOOLS</b> <i>S. Nkomo, W. Matli</i>	620
<b>USE OF VIDEO TUTORIALS AS A TEACHING TOOL FOR LABORATORY PRACTICALS IN THE FIELD OF CHEMICAL ENGINEERING</b> <i>M.A. Delgado Canto, M. García Morales, S.D. Fernández Silva, A. Palma López, J.F. Rubio Valle, C. Roman, I. Martínez García</i>	629
<b>COMPARISON OF PROBLEM-BASED LEARNING VERSUS TRADITIONAL TEACHING METHOD AMONG HIGH SCHOOL STUDENTS: AN EXPERIMENTAL STUDY</b> <i>Y. Sorroche-Del-Rey, L. Piedra-Muñoz, E. Galdeano-Gómez, E.M. García-Granero</i>	638
<b>LIGHTING DESIGN AND VIRTUAL THEATRE LABORATORIES: 3D VISUAL SIMULATORS FOR ONLINE CLASSROOM ENVIRONMENTS</b> <i>J. Greenberg</i>	645
<b>IN-SERVICE TEACHER EDUCATION: A MODEL TO ADVANCE TEACHER KNOWLEDGE AND SKILLS OF TECHNOLOGY INTEGRATION IN TEACHING AND LEARNING</b> <i>M.Z. Ramorola</i>	646

<b>DEBRIEFING TEACHER TRAINERS' PERCEPTIONS OF VARIANT LEARNING OPPORTUNITIES IN A RURAL SOUTH AFRICAN UNIVERSITY</b> <i>X. Khalo, M.B. Nkohla</i>	652
<b>NEW YORK THEATRE TRAVEL STUDY PROJECT: AN IMMERSIVE PROFESSIONALIZING LEARNING EXPERIENCE FOR STUDENTS</b> <i>J. Greenberg</i>	661
<b>THE USE OF DIGITAL TECHNOLOGIES IN THE TEACHING OF MATHEMATICS DURING THE COVID19 PANDEMIC – A CASE STUDY WITH UNDERGRADUATE TOURISM STUDENTS</b> <i>S. Pais, A. Hall, A.E. Sousa</i>	662
<b>FROM DISRUPTION TO “COMFORT-ZOOM” ROUTINE PRESERVICE TEACHERS' PERSPECTIVE ON REMOTE LEARNING DURING THE CORONA YEAR</b> <i>Y. Nissim, E. Simon</i>	668
<b>PRODUCTIVE STRUGGLE IN TEACHER PREPARATION: CANDIDATES AS CRITICAL CURRICULUM DESIGNERS</b> <i>C. Lunsmann, J. Collazo</i>	669
<b>ANALYSIS OF COLLECTIVE INTELLIGENCE IN A DISCIPLINARY COMMUNITY</b> <i>M. Yoshida</i>	673
<b>WHAT IMPACT TO STUDENTS' LEARNING WILL BE: A SHIFT OF SYNCHRONOUS ONLINE TEACHING MODE?</b> <i>K.M. Pang</i>	683
<b>KNOWLEDGE, ATTITUDES AND PRACTICES (KAP) STUDY OF COMPLEMENTARY AND ALTERNATIVE MEDICINE (CAM) AMONG STUDENTS AND PROFESSIONALS: EVALUATING EDUCATIONAL NEEDS</b> <i>D. Vankova</i>	690
<b>TRAINING OF MICRO, SMALL AND MEDIUM-SIZED ENTREPRENEURS FOR SUSTAINABLE DEVELOPMENT AND PEACE BUILDING IN TERRITORIES OF ARMED CONFLICT</b> <i>O.A. Fragozo Manjarrez</i>	698
<b>THE STUDENT-CENTERED METAVERSE: CONNECTING VR, MR, AR TO GEN Z STUDENT NEEDS</b> <i>S. Daly, X. Luo</i>	703
<b>INTUITIVE AND ANALOGICAL APPROACH TO TEACHING, LEARNING AND UNDERSTANDING THERMODYNAMICS</b> <i>E. Glakpe</i>	704
<b>LINGUO-CULTURAL ASPECT IN TEACHING A FOREIGN LANGUAGE USING MULTIMEDIA TECHNOLOGIES</b> <i>E. Andreeva, I. Korneva, T. Usmanov</i>	713
<b>THE IMPACT OF THE GLOBAL PANDEMIC ON THE EDUCATION OF UNIVERSITY STUDENTS</b> <i>V. Bolek, A. Romanová</i>	718
<b>FLIPPED CLASSROOM IN LABORATORY PRACTICES OF MOLECULAR BIOLOGY: PERCEPTION OF THE STUDENTS FROM CHEMISTRY DEGREE</b> <i>M.D. Busto, N. Ortega, S.M. Albillos, S. Ramos-Gómez, M.C. Pilar-Izquierdo, B. Velasco, D. Palacios</i>	725
<b>DO YOU ACCEPT GAMIFIED EDUCATIONAL TOOLS FOR THE LEARNING OF ACCOUNTING? MEASUREMENTS TO MANAGE SATISFACTION OF USERS IN PUBLIC UNIVERSITY</b> <i>L.M. Marín-Vinuesa, P. Portillo-Tarragona, S. Scarpellini, M. Marco-Fondevila, J.A. Aranda-Usoñ</i>	733
<b>DESIGN THINKING AS A “GOOD PRACTICE” OF X-LEARNING</b> <i>I. Pondelíková</i>	739
<b>STAY WITH US! EXAMINING ACADEMICS' MOTIVATION, INTENTION TO REMAIN, AND TURNOVER INTENTION AMIDST THE COVID-19 LOCKDOWN THROUGH GROWTH CURVE MODELING</b> <i>M. Ghasemy, L. Frömbling</i>	749
<b>SMARTPHONE APPLICATION FOR PHOTOGRAPH-BASED AUTOMATIC SOLVING OF ELECTRONIC CIRCUITS FOR DISTANCE LEARNING</b> <i>N. López-Ruiz, P. Escobedo, M. Carvajal, A. Martínez-Olmos</i>	760
<b>THE DESIGN OF TRAINING CENTRES USING VIRTUAL REALITY</b> <i>V. Binasova, G. Gabajova, B. Furmannova, M. Krajcovic, B. Micieta, M. Kasajova, M. Rakyta</i>	761
<b>REFLECTING ON NEXT GENERATION LEARNING AND TEACHING SPACES – THE VOICE OF THE ACADEMIC COMMUNITY</b> <i>V. Carlos, S. Bruckmann, M.J. Rosa</i>	769

<b>EDUCATIONAL PLANNING AND PROFESSIONAL PRACTICES IN EARLY CHILDHOOD SERVICES: CASE STUDIES</b>	778
<i>A. Giuliani</i>	
<b>PROMOTE UNDERGRADUATE STUDENTS' DISTRIBUTED LEADERSHIP THROUGH PROJECT-BASED LEARNING EXPERIENCES</b>	786
<i>A. Giuliani</i>	
<b>ENGAGING LEARNERS IN E-LEARNING HEALTH ROOMS: A MALAYSIAN-KOREAN CASE STUDY</b>	794
<i>M. Neo, H.K. Park, T.K. Neo, H.Y.J. Tan, M.J. Lee, J.Y. Soh, J.Y. Oh, K.Y. Ang, N. Ludin</i>	
<b>VIRTUAL SPEAKING HEAD AS A TOOL IN SPEECH THERAPY</b>	802
<i>E. Pajorova</i>	
<b>REFLECTIONS ON A MULTI-NATIONAL SOUTH-NORTH HIGHER EDUCATION CAPACITY BUILDING PROJECT IN MARINE EDUCATION AND TRAINING</b>	808
<i>H. Theunissen, T. Pittaway, B. Du Plooy</i>	
<b>AUDIO USE AS A TEACHING TOOL: A STUDY IN SÃO LUÍS REGION/BRAZIL</b>	809
<i>R.J. Silva Ferreira, M.J. Antunes</i>	
<b>DIDACTIC PROPOSAL FOR THE STUDY OF THE BIOLOGICAL IMPORTANCE OF CHIRAL COMPOUNDS IN THE CONTEXT OF THE REMOTE LEARNING</b>	814
<i>A. Grunewald Nichele, K. Silva dos Santos Moraes, F. Nunes da Silva</i>	
<b>CREATING EDUCATIONAL EQUIPMENT FOR CHEMISTRY LABS USING MOBILE DEVICES</b>	819
<i>A. Grunewald Nichele, K. Silva dos Santos Moraes</i>	
<b>MATHS FOR ENGINEERING: PARTING FROM CLASSICAL METHODS</b>	827
<i>E. Martinez-Martin, A. Costa</i>	
<b>A SOFTWARE PLATFORM FOR DIGITAL ASSESSMENT OF PEDAGOGICAL SPECIALISTS' QUALIFICATION PROGRESS IN BULGARIA</b>	832
<i>P. Nakov, E. Mihaylova, M. Lazarova, O. Nakov, V. Mladenov</i>	
<b>PLATFORM OF OPEN EDUCATIONAL RESOURCES (OER) ON CYBERSECURITY AND PROFESSION</b>	838
<i>S. Martínez-Requejo, J. Fernandez-Collantes, G. Mariscal-Vivas, L.A. López-Fraile, E. Jiménez-García, S. Esteban-Gonzalo</i>	
<b>A VIDEOGAME FOR FOSTERING CYBERSECURITY</b>	846
<i>L.A. López-Fraile, G. Mariscal-Vivas, J. Fernandez-Collantes, S. Martínez-Requejo, S. Esteban-Gonzalo, E. Jiménez-García</i>	
<b>THE EFFECT OF PRACTICING WITH DIGITAL TOOLS ON THE VOCABULARY ACHIEVEMENTS AND ACADEMIC EMOTIONS OF THIRD GRADERS WITH DIFFERENT READING PROFILES</b>	852
<i>M. Sadan, T. Katzir</i>	
<b>ENHANCING ENGAGEMENT OF DENTAL UNDERGRADUATES BY FLIPPING HISTOLOGY</b>	857
<i>M.P. Álvarez-Vázquez, M.T. Angulo-Carrere, C. Bravo-Llatas</i>	
<b>MOOCS AND ACCESS TO HIGHER EDUCATION BY SOUTH AFRICAN UNDERPRIVILEGED LEARNERS</b>	863
<i>M.C. Mabhele, J.P. Van Belle</i>	
<b>DESIGN AND EVALUATION OF A TEACHER TRAINING COURSE ON VIDEOCONFERENCING-BASED EFL TEACHING: A CASE STUDY OF SYRIAN PRE-SERVICE EFL TEACHERS</b>	870
<i>L. Ispardon, H. Selcuk</i>	
<b>LOW-COST TELEPRESENCE ROBOT USING ARTIFICIAL AND CELLULAR INTELLIGENCE FOR USE IN EDUCATION</b>	877
<i>R. Coutinho, P. Notargiacomo</i>	
<b>DEVISING A PROFESSIONAL DEVELOPMENT PROGRAM FOR ADJUNCT FACULTY TO UPSKILL FOR BLENDED LEARNING CAPABILITY</b>	887
<i>S.Y. Chye</i>	
<b>EDUCATION EVOLVED FOR THE 22ND CENTURY: FACING THE NEW WORLD OF MEGA-COMPLEXITY</b>	894
<i>D. Brooks</i>	
<b>IS FACEBOOK AN ADEQUATE TOOL TO IMPROVE STUDENTS' INTRINSIC MOTIVATION AND ACADEMIC PERFORMANCE DURING COVID PANDEMIC?</b>	895
<i>C. Fidalgo, S. Collado, G. Lopez-Crespo, M. Mendez-Lopez, S. Garces-Arilla</i>	

<b>RESULTS OF A UNIVERSITY EXPERIENCE, COMPARING FACE-TO-FACE, ONLINE AND HYBRID TEACHING IN A CONTEXT OF SARS-COV-2</b>	896
<i>I. Tort-Ausina, J.A. Gómez-Tejedor, J. Molina-Mateo, J. Riera Guasp, J.M. Meseguer Dueñas, R. Martín Cabezuolo, A. Vidaurre</i>	
<b>ENGAGING YOUR COLLEGE STUDENTS: 30 TOOLS YOU CAN USE NEXT WEEK</b>	906
<i>J. Smith</i>	
<b>AN INTEGRATIVE HOLISTIC MODEL OF ECONOMIC EDUCATION</b>	907
<i>B. Greimel-Fuhrmann</i>	
<b>DIGITAL FORENSICS: 17 TOOLS TO DISCERN FACT FROM FICTION ONLINE</b>	915
<i>J. Smith</i>	
<b>COMMUNICATION SKILLS FOR RESEARCHERS</b>	916
<i>B. Butragueno, J.F. Raposo Grau, M.A. Salgado de la Rosa</i>	
<b>THE 4TH INDUSTRIAL REVOLUTION: THE NEW BUSINESS MODEL FOR HIGHER EDUCATION – PRELIMINARY FINDINGS</b>	924
<i>J. Bengoechea, A. Bell</i>	
<b>DIDACTIC MATERIAL DEVELOPMENT IN TEACHING ENGLISH TO MASTER'S DEGREE STUDENTS FROM THE PERSPECTIVE OF SKILLS ACQUISITIONS AND STUDENT LEARNING OUTCOMES</b>	929
<i>M. Saryan</i>	
<b>COURSE DESIGN MODIFICATION BASED ON STUDENTS' PREFERENCES</b>	938
<i>M. Saryan</i>	
<b>USE OF THE ANKI SOFTWARE IN COASTAL ENGINEERING COURSES: METHODOLOGY AND RESULTS</b>	944
<i>J.J. Muñoz-Perez, A. Contreras, B. Jigena, F. Contreras, P. Lopez</i>	
<b>POSTS ON INSTAGRAM AND FACEBOOK TO ENHANCE COLLEGE STUDENTS INTERACTION IN EFL SUPPORTED BY GRAMMAR AND VOCABULARY PRACTICE</b>	949
<i>D. Vascónez, S. Vascónez, J. Samaniego Villarroel, A. Carrera Rivera</i>	
<b>DISCUSSION BOARDS AND DIGITAL PORTFOLIOS TO DEVELOP METACOGNITIVE SKILLS IN AN ONLINE EFL CLASS</b>	955
<i>S. Vascónez, D. Vascónez, A. Carrera Rivera, J. Samaniego Villarroel</i>	
<b>CRITICAL READING AND USE OF COMICS IN TEACHING FRENCH AS A FOREIGN LANGUAGE</b>	964
<i>C.M. Míguez Álvarez</i>	
<b>THE COMIC AS A DIDACTIC RESOURCE IN TEACHING FRENCH IN HIGHER EDUCATION</b>	974
<i>C.M. Míguez Álvarez</i>	
<b>SIMULATION IN ADVANCED LIFE SUPPORT TRAINING: OPINION OF STUDENTS IN POSTGRAD CRITICAL CARE</b>	982
<i>C. Pinto, F. Segadães, A. Pinto, A. Teixeira, C. Augusto, I. Rocha, A. Veríssimo</i>	
<b>APPLIED TOOL TO EXAMINE FACTORS ENHANCING OR INHIBITING SENSE OF COHERENCE IN TEACHING SITUATION (SOCITS) AMONG TEACHING INTERNS</b>	990
<i>E. Bracha, D. Hoffenbartel</i>	
<b>CURRICULUM DESIGN IN A LIFE-LONG-LEARNING PROGRAMME CONSIDERING INDUSTRY 4.0 AND DIGITALISATION – BUZZWORDS OR NECESSITY?</b>	991
<i>M. Koenig</i>	
<b>ARTIFICIAL INTELLIGENCE AND EDUCATION: MYTH AND FACTS</b>	996
<i>V. Queiroz, M. Simonette, E. Spina</i>	
<b>EXPLORING HOW SIMULATION-BASED TECHNOLOGY CAN ENHANCE TEACHING AND LEARNING IN BUSINESS SCHOOLS</b>	1002
<i>N. Papanikolaou</i>	
<b>ADDRESSING SUSTAINABILITY AND CLIMATE CHANGE THROUGH PARTICIPATORY SIMULATION GAMES IN A MULTICULTURAL ENVIRONMENT IN HIGHER EDUCATION: AN EXPERIENCE IN A MASTER DEGREE ON SMART CITIES AND COMMUNITIES</b>	1003
<i>J. Terés-Zubiaga, I. Capellán-Pérez, A. Campos-Celador</i>	
<b>AN INTERVENTION TO SUPPORT STUDENTS WITH ACADEMIC WRITING DURING THE COVID-19 LOCKDOWN</b>	1013
<i>N. Mather</i>	
<b>THE STATE OF VISUAL IMAGINATION OF CHILDREN WITH VISION IMPAIRMENTS IN THE PROCESS OF MUSIC PERCEPTION</b>	1020
<i>L. Darinskaia, R. Demjanчук, V. Sorokin</i>	

<b>PSYCHOLOGICAL CHARACTERISTICS OF CREATIVE THINKING OF CHILDREN SUFFERING FROM COMORBID OPHTHALMIC PATHOLOGY</b> <i>L. Darinskaja, V. Sorokin, G. Molodtsova, R. Demjanчук</i>	1025
<b>LEAF PROJECT: SCIENCE COMMUNICATION IN COVID ERA</b> <i>M. Martini, A. Della Ceca, G. Burzachechi, R. Donghia, G. Ciocca, S. Pierangeli, E. Diociaiuti, V. Guglielmotti</i>	1030
<b>THE EFFECTS OF PHONOLOGICAL FEATURES IN GENERAL ENGLISH PROFICIENCY PREDICTION BY DICTATION PERFORMANCE</b> <i>K. Kotani, T. Yoshimi</i>	1040
<b>LIVE LEARNING AS A REQUIREMENT OF ASYNCHRONOUS FIRST-YEAR EXPERIENCE: THEMES AND UNDERSTANDINGS FROM STUDENT RESPONSES</b> <i>J. Robinson, S. Manning, T. Mooney, D. Hilbrink, C. Dollar, B. Sorensen</i>	1048
<b>PAUSE: REVISITING AN ACRONYM FOR PROVIDING SOLID AND ACTIONABLE FEEDBACK FOR ONLINE UNIVERSITY STUDENTS</b> <i>J. Robinson</i>	1058
<b>VIRTUAL ROOM EXPERIENCE: DEVELOPING SKILLS IN REMOTE TEACHING</b> <i>R.J.S. Ferreira, G.G.C. Braga, J.L.M. Sousa, C.A. Carvalho, J.S.L. Sousa</i>	1059
<b>USING ONLINE FOCUS GROUP TO DEVELOP VIRTUAL SERVICE-LEARNING PROJECTS</b> <i>M.C. González-Rabanal, A. Acevedo-Blanco</i>	1063
<b>BLENDED LEARNING – HOW TO CREATE AN EFFECTIVE COURSE</b> <i>K. Buckley</i>	1071
<b>ADULT EDUCATION DURING COVID-19: BEST PRACTICES, TECHNOLOGY TOOLS, AND THE INSTRUCTORS' PERSPECTIVES TO ENHANCE ONLINE TEACHING, LEARNING, AND TRAINING</b> <i>L. Orozco, R. Giraldo-Garcia</i>	1072
<b>EVALUATION OF THE COGNITIVE-EMOTIONAL APPROACH IN LISTENING TO MUSIC IN CROATIAN GENERAL EDUCATION SETTING</b> <i>S. Vidulin</i>	1073
<b>A FRAMEWORK FOR DEVELOPING SOCIALLY RESPONSIBLE BUSINESS LEADERS</b> <i>A. Kukreja, J. Ricks, J. Bartkus, A. Helm</i>	1082
<b>THE DEBATE AS A TOOL FOR SCIENCE LEARNING AND EVALUATION OF SCIENTIFIC WORK. APPLICATION TO POSTGRADUATE TEACHING IN BIOMEDICINE</b> <i>A. Bort, B. Sánchez, J.M. Mora-Rodríguez, I. Díaz-Laviada</i>	1090
<b>THE BENEFITS OF APPLYING PROJECT-BASED LEARNING FOR BETTER STUDENT COMPREHENSION</b> <i>B. Kirilova</i>	1100
<b>THE ROLE OF DIGITAL TECHNOLOGIES IN CELEBRATING FESTIVITIES UNDER COVID-19</b> <i>I. Kacane, O. Kovzele, M. Grizane</i>	1105
<b>FACTORS HINDERING EFFECTIVE ONLINE TEACHING AND LEARNING: INSIGHTS FROM A HIGHER LEARNING INSTITUTION IN SOUTH AFRICA</b> <i>R. Minty, R. Brink, A. Alao</i>	1114
<b>QUALIFICATION RECOGNITION SYSTEMS ADOPTED BY UNIVERSITIES: AN EXPLORATORY DATA ANALYSIS</b> <i>K. Zourou, M. Ziku</i>	1124
<b>ADAPTATION OF STUDENTS TO THE EDUCATIONAL ENVIRONMENT OF THE SCHOOL: STATEMENT AND SOLUTION OF THE PROBLEM</b> <i>A. Mendugalieva, N. Litvinenko, N. Nikolaeva</i>	1131
<b>BREAKING OUT OF THE TRADITIONAL CLASSROOM: A REVIEW ON THE USE OF ESCAPE ROOMS IN PRIMARY AND SECONDARY SCHOOLS</b> <i>M. Cruz</i>	1136
<b>DESIGN, DEVELOPMENT, AND IMPLEMENTATION OF NON-FACE-TO-FACE DYNAMIZATION STRATEGIES IN A MASTER'S IN SCIENCE SUBJECT</b> <i>I. Fernandez-Bueno, R. Usategui-Martín</i>	1146
<b>SELF-EFFICACY AND SATISFACTION WITH ONLINE LEARNING DURING COVID-19 LOCKDOWN: UPPER-YEAR AND LOWER-YEAR STUDENT COMPARISON</b> <i>L. Zekanović-Korona, P. Pedić Duić, J. Grzunov</i>	1147
<b>LANGUAGE LEARNING STRATEGIES OF CZECH MILITARY PROFESSIONALS IN THE CONTEXT OF SELF-REGULATED LEARNING</b> <i>J. Rozsypalkova, H. Brzobohata, E. Tomeskova</i>	1155



<b>STUDENTS' ACCEPTANCE OF GAMIFICATION IN SECONDARY SCHOOL COMPUTER SCIENCE CLASSES</b> <i>A. Vrcelj, M. Holenko Dlab, N. Hoić-Božić</i>	1162
<b>THE CARNEGIE CLASSIFICATION SYSTEM AND AMERICAN HIGHER EDUCATION FUNDING POLICIES: AN ANALYSIS OF INFORMATION RESOURCE COLLECTIONS AT SELECTED RESEARCH INSTITUTIONS</b> <i>N. Brown, T. Clark, H. Aubrey, K. Anderson, T. Jordan, D. Hill-Eley, H. Swanson, E. Cameron</i>	1170
<b>ONLINE TEACHING STRUCTURE IN IT – A CASE STUDY</b> <i>T. Drange</i>	1174
<b>THE POTENTIAL OF ONLINE SCIENCE CAFÉS TO FACILITATE INFORMAL STEM LEARNING IN JAPAN: EXPERIENCE UNDER THE INFLUENCE OF COVID-19</b> <i>M. Nakamura</i>	1182
<b>AN INNOVATION IN THE PREPARATION OF TEACHERS OF LANGUAGE USING MULTIMEDIA BASED EDUCATION</b> <i>Z. Kumorová</i>	1191
<b>LESSONS, DISCOVERIES, CHALLENGES, AND RESULTS IN AN INTERDISCIPLINARY LEARNING COMMUNITY OF HIGHER EDUCATION TEACHERS</b> <i>T. Sanches, C. Duarte, M. Batista, J.P. Miranda</i>	1198
<b>BLOCK AND BLEND: A MIXED METHOD INVESTIGATION INTO THE IMPACT OF A PILOT BLOCK TEACHING AND BLENDED LEARNING APPROACH UPON STUDENT OUTCOMES AND EXPERIENCE</b> <i>E. Buck</i>	1207
<b>AUDIOVISUAL RESOURCES IN LABORATORY PRACTICES FOR HYDRAULIC ENGINEERING</b> <i>A. Contreras, O. Castillo, J.J. Muñoz-Perez, F. Contreras, B. Jigena, E. Garcia, P. Lopez</i>	1208
<b>GUIDED CLINICAL CASE AS A METHODOLOGY FOR LEARNING: EXPERIENCE IN THE SUBJECT OF ENDOCRINOLOGY AND NUTRITION IN THE MEDICAL DEGREE</b> <i>S. Martínez-Hervas, D. Ortiz Masia, J.F. Martínez-Valls, J.F. Merino Torres, C. Sanchez Juan, J.T. Real</i>	1212
<b>READINESS OF TEACHERS FOR THE FORMATION OF FUNCTIONAL LITERACY OF YOUNGER STUDENTS</b> <i>A. Mendugalieva, G. Muss, J. Ivkina, Z. Iskuzhieva</i>	1216
<b>HOW CAN HIGHER EDUCATION PROMOTE GENDER EQUALITY, DIVERSITY AND NON-DISCRIMINATION?</b> <i>M. Drake, P.K. Juutilainen, L. Vanhanen-Nuutinen, P. Aura</i>	1222
<b>HOW TO EMPOWER HIGHER EDUCATION COLLABORATIVE LEARNING WITH CLOUD-BASED GRAPHIC DESIGN TOOLS</b> <i>M. Aho</i>	1227
<b>IMPLEMENTATION OF “KAHOOT!” APPLICATION TO COMPLEMENT THE MASTER CLASSES IN “STATISTICS” SUBJECT</b> <i>S. Mollà-Casanova, P. Serra-Añó, C.J. Calvo-Saiz, A. Bizy, M. Bernabé-Villodre, M. Zarzoso</i>	1237
<b>AR.E.A. - AUGMENTED REALITY IN EDUCATION ACTIVITIES: PERSPECTIVES FOR NEW LEARNING PROCESSES</b> <i>E. Lonardo</i>	1242
<b>HOW TO SUPPORT JOB INTRODUCTION WITH 360° DEGREE VIRTUAL REALITY ENVIRONMENT IN CASE FOREST MACHINE OPERATOR MOTOAJÓ OY</b> <i>M. Aho, M. Jäntti</i>	1251
<b>EDUCATION AND THE 2030 AGENDA: IMPACT ON INFORMATION AND COMMUNICATIONS TECHNOLOGIES</b> <i>A. Baquero, R. Escortell</i>	1258
<b>PANDEMIC TIMES: A DIDACTIC INTERVENTION OF NUMERIC CALCULATION COURSE</b> <i>E. Cruz, M.M. Nascimento, J. Matias</i>	1267
<b>A STUDY ON THE GROUP INTERACTIVE EFFECT OF DIFFERENT GROUPING MODELS IN FOREIGN LANGUAGE FLIPPED LEARNING: A CONTRASTIVE STUDY BETWEEN HETEROGENEOUS-MULTIPLE-INTELLIGENCES GROUPS AND FREE GROUPS</b> <i>J. Ma</i>	1277

<b>FLIPPED CLASSROOM AND GAMIFICATION IN THE TEACHING OF THE PHYSICS LABORATORY</b> <i>J.C. Jimenez-Saez, P. Palacios, S. Muñoz</i>	1292
<b>INFORMATION TECHNOLOGY PROMOTES THE DEVELOPMENT OF TEACHERS' LIFELONG EDUCATION</b> <i>Y.J. Li</i>	1298
<b>ACTIVE LEARNING DURING THE COVID-19 PANDEMIC - A TRIPLE EXPERIMENT</b> <i>V. Santos, A. Hall, N.R. O. Bastos, C.M.R. Caridade</i>	1302
<b>PRODUCTS DEVELOPED AND RESULTS OBTAINED WITHIN THE EUROPEAN TRANSNATIONAL EDUCATION PROJECT "CHERISH - CULTURAL AND NATURAL HERITAGE: A SUSTAINABLE TOURISM VET INTEGRATED APPROACH"</b> <i>P. Ciccioni, R. Coratella, F. D'Esposito, P. Ragni</i>	1308
<b>ENHANCEMENT OF SCHOOL TEACHER EDUCATION IN DEVELOPING COUNTRIES: EGYPT AS A CASE STUDY</b> <i>M.A. Zaki Ewiss, L. Olivo, S. Afifi</i>	1319
<b>USE OF RESEARCH AS A TRAINING TOOL IN BACHELOR AND MASTER SUBJECTS IN A MULTIDISCIPLINARY APPROACH</b> <i>F. Jiménez, J.E. Naranjo, M. Clavijo</i>	1330
<b>RESEARCH AND CRITICAL ANALYSIS OF SOLUTIONS AS A TEACHING TOOL IN MASTER STUDIES</b> <i>F. Jiménez</i>	1338
<b>HOW TO IMPROVE THE TEACHING OF SCRUM IN SPANISH UNIVERSITIES</b> <i>J. Gutiérrez Rodríguez, F. Gracia Ahufinger</i>	1343
<b>CRITICAL THINKING SKILLS IN NURSING STUDENTS</b> <i>C. Pinto, A. Verissimo, F. Segadães, A. Pinto, C. Augusto, A. Teixeira, I. Rocha, A.L. Carvalho</i>	1347
<b>SHIFTING TO REMOTE TEACHING IN TIME OF SOCIAL DISTANCING: A STUDY OF A FACULTY OF EDUCATION IN TEACHER EDUCATION COLLEGE</b> <i>O. Broza, L. Biberman-Shalev, D. Patkin</i>	1354
<b>SAFEGUARDING UNIVERSITY STUDENTS AND STAFF ON LINE: WHAT WORKS IN HIGHER EDUCATION</b> <i>E. Bond</i>	1355
<b>IMPLEMENTATION OF SCHOOL MEDIATION PROGRAMS AS A TOOL FOR CONFLICT RESOLUTION IN ECUADORIAN ADOLESCENTS</b> <i>J.E. Jordán Buenaño, Á. Jiménez-Sánchez, P. Poaquiiza Poaquiiza, S.G. Vayas Castro, M.A. López Paredes</i>	1356
<b>THE IMPACT OF EVERYDAY TECHNOLOGY ON THAI SECONDARY SCHOOL STUDENTS' CONFIDENCE IN ENGLISH COMMUNICATION</b> <i>N. Srisuk, N. Songkram, P. Tantrarungroj, P. Thamsuwan, N. Songkram</i>	1365
<b>SECONDARY TEACHERS' PEDAGOGICAL REASONING FOR USING TECHNOLOGY IN MATHEMATICS LESSONS: AN EXPLORATIVE STUDY</b> <i>B. Cabbekke, T. Rotsaert, T. Schellens</i>	1372
<b>DESIGNING THE GEO-HISTORY CURRICULUM: A CASE OF PARTICIPATORY RESEARCH IN THE ITALIAN SCHOOL</b> <i>M. Pentucci</i>	1381
<b>EXPERIENCE IN THE APPLICATION OF FLIPPED CLASSROOM METHODOLOGY IN A COURSE OF CHEMICAL ENGINEERING</b> <i>F. Espínola, M. Moya, I. Romero, C. Cara, M. Ocaña</i>	1387
<b>STUDENT'S SKILLS DEVELOPMENT IN THE FRAMEWORK OF EXTRACURRICULAR ACTIVITIES IN HEI-S</b> <i>Ü. Kesli, L. Ariva</i>	1394
<b>ENTREPRENEURIAL SKILLS IN ENGINEERING STUDENTS BASED ON ENTRECOMP: AN ANALYSIS OF THEIR REFERENCES IN THE ENTREPRENEURIAL VOCATION THROUGH GAMIFIED LEARNING STRATEGIES</b> <i>J.J. Morillas Guerrero, E. Tovar Caro</i>	1400
<b>FLIPPED LEARNING AND STUDENT APPROACH TO LEARNING IN A FIRST YEAR CHEMISTRY SUBJECT</b> <i>L. Atarés-Huerta, M. Leiva-Brondo</i>	1410
<b>A NATURAL FACE TO FACE INTERACTION USING SOCIAL ROBOTICS</b> <i>F.J. Perales, S. Ramis, J.M. Buades, C. Manresa-Yee, A. Jaume</i>	1417
<b>MATHEMATICS, COMPUTERS AND COMPETITIONS: 30 YEARS TOGETHER</b> <i>M.P. Oliveira</i>	1422

<b>USING 'CYBERTASKS' TO INTEGRATE TECHNOLOGY AND WRITING SKILLS INTO 21ST CENTURY HIGHER-EDUCATION: AN ANALYSIS OF STUDENTS' PERCEPTIONS</b> <i>C. Girón-García, A.J. Silvestre-López</i>	1431
<b>PERCEPTION OF THE EFFECTIVENESS OF TEACHING OBSERVATION AS A MEANS OF SETTING UP AND DESIGNING FACULTY DEVELOPMENT PATHWAYS</b> <i>M. Milani</i>	1442
<b>PRESCHOOL EDUCATION AND EMERGENCY REMOTE TEACHING IN THE COVID ERA: EXPLORING THE PRACTICES AND EXPERIENCE OF IN-SERVICE PRESCHOOL EDUCATORS</b> <i>S. Sypsa, I. Voulgari, D. Manassis, M. Sfyroera</i>	1447
<b>DIGITAL PROFILES OF BASIC EDUCATION TEACHERS: PANDEMIC CONTEXT</b> <i>R.A. Gómez Ortíz, M.F. Trejo</i>	1455
<b>GOOD PRACTICES IN THE USE OF TECHNOLOGY IN TEACHING</b> <i>F. Pinedo, R.A. Gómez Ortíz</i>	1464
<b>STUDENT SOCIOECONOMIC STATUS AND EMPLOYMENT EXPECTATIONS: DO POORER STUDENTS EXPECT LESS?</b> <i>J. Bagrain, M. Weaver</i>	1473
<b>IMPROVEMENT AND UPDATING OF THE THERMOTECHNICS TEACHING PROJECT IN INDUSTRIAL ENGINEERING</b> <i>A. Picallo-Perez, P. Sarriugarte, J.M. Hidalgo-Betanzos, J.M. Sala-Lizarraga</i>	1480
<b>HAVE THE BOYS GONE OVERBOARD? A STUDY TO INVESTIGATE THE ACADEMIC PLIGHT OF MALE LEARNERS</b> <i>N. Mather</i>	1491
<b>CHALLENGES OF DISTANCE ASSESSMENT IN HIGHER EDUCATION AND THE IMPACT OF ACADEMIC ACHIEVEMENT ON ALUMNI EMPLOYMENT (EVIDENCE FROM GEORGIA)</b> <i>E. Kharaihvili, I. Natsolishvili, N. Shonia</i>	1499
<b>INTERNET ADDICTION PREVENTION IN MEDIA EDUCATION</b> <i>I. Rác</i>	1507
<b>HANDS-ON AND GAME-BASED ACTIVITIES FOR TEACHING MATH IN PRISON</b> <i>A. La Fortuna, P. Morando, M.L. Spreafico</i>	1514
<b>BRAINS ON IN MATH CLASSES</b> <i>P. Morando, G. Turconi</i>	1522
<b>CREATIVELY CONTEXTUALIZING THE MATH COURSE FOR ARCHITECTURE FRESHMEN</b> <i>M.L. Spreafico</i>	1530
<b>A FUZZY MULTI-CRITERIA STUDENT-BASED MODEL FOR EVALUATION OF UNIVERSITY LECTURERS' PERFORMANCE</b> <i>M. Pavlačková, O. Pavlačka</i>	1537
<b>PROJECT-BASED LEARNING IN MACHINE LEARNING COURSE: EXPERIENCE AND OUTCOMES</b> <i>K. Mallibhat, S. Chikkamath, R. Tabib, S.R. Nirmala, U. Mudenagudi</i>	1545
<b>APPLICATION AND RESULTS OF THE INTERNAL COHERENCE SCALE IN A MEDICAL SCHOOL AS A PRIOR STEP FOR THE DETECTION OF EDUCATIONAL NEEDS</b> <i>R. Ruiz Moral, D. Monge Martín, C. Garcia de Leonardo, S. Alvarez Montero, E. Cervera Barba, F. Caballero Martínez</i>	1552
<b>STUDENT REFLECTION ON THE TRANSLATIONAL PLATFORM FOR ADDRESSING &amp; SOLVING SOCIAL-PROBLEMS (T-PASS) AND ITS POTENTIAL TO UNDERGRADUATE PEDAGOGY</b> <i>K.T. Chan, Y.C.Y. Lie, T.S. Li, V. Lee</i>	1557
<b>FLIPPED CLASSROOM TEACHING METHOD OF A BUSINESS MODEL PROJECT AT EAE BUSINESS SCHOOL</b> <i>S. Ajour El Zein, A. Ariso, C. Tomas-Perez, P. Sartorato Neto</i>	1564
<b>INTEGRATING AUGMENTED REALITY INTO EDUCATION AND TRAINING: REMARKS AND INSIGHTS FROM A FIVE-YEAR EXPERIENCE IN THE FIELD</b> <i>S. Pitsikalis, I.E. Lasica, A. Kostas, C. Vitsilaki</i>	1565
<b>"ROTEIRO ENTRE MARÉS": AN APP FOR THE PROMOTION OF OCEAN LITERACY</b> <i>C. Faria, R. Gaspar, D. Boaventura, C. Duarte</i>	1572
<b>WORK BASED LEARNING AND APPRENTICESHIP IN ITALY, SPAIN, GREECE, LITHUANIA, UK AND IRELAND- A STUDY REPORT</b> <i>D. Kiriakos, A. Moungholias</i>	1573

<b>YOUTH DIGITAL LIFE</b>	1580
<i>M. Anzalag, S. Hardof-Jaffe</i>	
<b>KNOWN AND UNDERSTOOD? SNOEZELEN – MSE: A COMPARATIVE ANALYSIS OF STUDENTS’ KNOWLEDGE</b>	1581
<i>K. Janku, A. Smrokowska-Reichmann, R. Ribes Castells</i>	
<b>DIGITAL TWIN ARCHITECTURE TO DEVELOP BUSINESS INTELLIGENCE AND DIGITAL COMPETENCIES</b>	1589
<i>A. Santana Reynoso</i>	
<b>DESIGN OF BUSINESS PROCESSES THROUGH AN INNOVATION CHALLENGE-BASED LEARNING COURSE</b>	1590
<i>A. Santana Reynoso, M.F. Matamoros Huerta, M. Lule Salinas</i>	
<b>THE IMPACT OF THE COVID-19 PANDEMIC ON SOCIAL EMOTIONAL LEARNING</b>	1591
<i>A. Martino, M. Dono-Koulouris</i>	
<b>REIMAGINING AN UNDERGRADUATE GENETICS LABORATORY: USING BIOINFORMATIC TOOLS AND 3D PRINTING TO STUDY THE COVID VIRUS IN AN ONLINE ENVIRONMENT</b>	1598
<i>A. Ribes-Zanora, A. Simmons</i>	
<b>ENHANCING STUDENTS’ CONCEPTUAL UNDERSTANDING REGARDING ELECTRICAL ENGINEERING CONCEPTS: RELEVANCE BETWEEN CIRCUIT AND ELECTROMAGNETIC-FIELD CONSIDERATIONS</b>	1604
<i>G. Pagiatakis, N. Voudoukis, D. Uzunidis</i>	
<b>ENHANCING HIGHER EDUCATION TUTORING WITH ARTIFICIAL INTELLIGENCE INFERENCE</b>	1609
<i>B. Silva, A. Reis, J. Sousa, E. Solteiro Pires, J. Barroso</i>	
<b>DEVELOPMENT OF PRE-SCHOOL CHILDREN’S COGNITIVE COMPETENCE THROUGH GAMES</b>	1614
<i>A. Širiakovienė, S. Kovienė</i>	
<b>RELATIONSHIP BETWEEN PERSONAL QUALITIES OF MODERN PARENTS AND DEFICIENCIES IN THEIR PEDAGOGICAL PREPARATION TO EDUCATE THEIR CHILDREN</b>	1621
<i>A. Širiakovienė, S. Kovienė</i>	
<b>ENHANCING STUDENT ENGAGEMENT WITH ASYNCHRONOUS LEARNING ACTIVITIES IN FLIPPED CLASSROOMS IN FULLY ONLINE LEARNING ENVIRONMENTS– A CASE STUDY</b>	1631
<i>V. Elumalai, D. Bino</i>	
<b>CHILDREN’S LITERATURE: A WAY FOR THE DEVELOPMENT OF MATH AND SOFT SKILLS</b>	1639
<i>A. Breda, C. Cruz</i>	
<b>THE ORIGINS AND CREATION OF A STUDENT INVESTMENT TEAM</b>	1647
<i>F. Sánchez Coll, C. Donaldson, J. Villagrasa</i>	
<b>TEACHERS' REFLECTIONS ON STUDENTS' LEARNING APPROACHES WHO RESUMED PHYSICAL CLASSROOMS AFTER ALMOST TWO YEARS DUE TO COVID-19 PANDEMIC-INDUCED DISRUPTIONS</b>	1656
<i>S.K. Shankar, S. Tripathi, N. Nupur, P. Chejara</i>	
<b>INTERNATIONAL NETWORKING: THE CASE OF THE EUROPEAN PROJECT QUILL</b>	1665
<i>E. Mendes Silva, I. Chumbo, V. Gonçalves, C. Martins, A. Dotras Bravo, A. Alves</i>	
<b>STUDY COMPETENCES – A CONCEPT AND A PLATFORM FOR INTEGRATING STUDY SKILLS AS A PART OF HIGHER EDUCATION</b>	1674
<i>M. Gundtoft, J. Winding</i>	
<b>MODEL OF INCLUSIVE CLASSROOM IN BULGARIA</b>	1675
<i>V. Sivakova</i>	
<b>VIRTUAL REALITY TO REDUCE STUDENT TEST ANXIETY AND ENHANCE PREPAREDNESS FOR CLINICAL EXAMINATIONS</b>	1683
<i>S. Esmail, B. Concannon, K. Werther, S. Mulholland</i>	
<b>APPLICATION OF AUGMENTED REALITY IN TEACHING AND COMPUTER MODELING WITHIN TECHNICAL DOCUMENTATION</b>	1684
<i>S. Hlavata, E. Franas, M. Kocisko, M. Pollak</i>	
<b>THE ROLE OF GLOBALIZATION IN THE DEVELOPMENT OF EDUCATION IN SUDAN</b>	1692
<i>A. Mohamed Abdalla, K. Hussein, M. Moseykina</i>	
<b>TRAINING AND SUPPORT FOR SUDANESE TEACHERS AND SCIENTISTS: CHALLENGES AND SOLUTIONS</b>	1696
<i>K. Hussein, A. Mohamed Abdalla</i>	

<b>EDUCATIONAL DEVELOPMENT IN THE POST-COVID-19 ARAB WORLD USING CAPABILITY MATURITY APPROACH</b>	1700
<i>M.A. Zaki Ewiss, A.A. El-Sherif, W.M. Seif</i>	
<b>USING PLAYER TYPES TO DEVELOP IMPLEMENTATION OF EDUCATIONAL GAME</b>	1710
<i>A. Sivonen, K. Heikkinen</i>	
<b>DESIGN THINKING, TEACHER PROFESSIONALISATION AND INNOVATION OF EDUCATION: A GOOD MATCH?</b>	1719
<i>M. Henderikx, N. Heeroma</i>	
<b>PROXIMITY OR LANGUAGE: FACTORS ATTRACTING INTERNATIONAL DOCTORAL STUDENTS TO THE UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU)</b>	1725
<i>G. Barandika, E. Simon, E. Portillo, O. González-Abrisketa, I. Astorkiza</i>	
<b>INTERNATIONAL DOCTORAL STUDENTS IN THE AREA OF “SCIENCES” AT THE UNIVERSITY OF THE BASQUE COUNTRY (UPV/EHU)</b>	1731
<i>G. Barandika</i>	
<b>ONLINE EXAMS: BENEFITS AND DAMAGES (PROS AND CONS)</b>	1738
<i>J.F. Ruiz-Ruiz, M.A. García-Muñoz, J. Jódar-Reyes, C. Ordóñez-Cañada, A. Huertas-Armesto, A. López-Moreno</i>	
<b>INVESTIGATING STUDENTS’ USE OF INTUITION THROUGH PUZZLE-BASED INTERVENTIONS IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS EDUCATION</b>	1746
<i>P. Murphy, S. Klymchuk, T. Evans, J. Stephens, M.O.J. Thomas</i>	
<b>HAS THE LEARNING-SERVICE METHODOLOGY AN IMPACT ON THE ACADEMIC COMPETENCES? THE RELEVANCE OF TEMPERAMENTAL INDIVIDUAL DIFFERENCES IN A SAMPLE OF UNIVERSITY STUDENTS</b>	1754
<i>N. Sánchez-Pérez, M.C. Blanco-Gandía, C. Ferrer-Pérez, G. López-Crespo</i>	
<b>INDIVIDUAL DIFFERENCES PREDICTING ACADEMIC ACHIEVEMENT AT UNIVERSITY LEVEL</b>	1755
<i>N. Sánchez-Pérez, M.C. Blanco-Gandía, C. Ferrer-Pérez, G. López-Crespo</i>	
<b>MOBILITY IN THE TIME OF CORONA: WHEN VISITING THE EUROPEAN CAMPUSES CHANGED TO VIRTUAL MEETINGS</b>	1756
<i>M. Laamanen, L. Kallio</i>	
<b>LABORATORY EXERCISES IN ELECTRONICS ENGINEERING EDUCATION – EVALUATION OF PHYSICAL AND DIGITAL FORM</b>	1757
<i>B. Pollen, M. Fojcik, A.L. Kampen</i>	
<b>HOW TO PROMOTE LEARNING READING THROUGH PHONO-SYLLABIC EXERCISES: THE IMPLEMENTATION OF A DISTANCE LEARNING PROGRAM</b>	1765
<i>R. Vegliante, A. Marzano, S. Miranda, C. Montefusco</i>	
<b>MATHEMATICS DISTANCE LEARNING AND TEACHING IN UPPER SECONDARY SCHOOL: A STATE-OF-THE-ART REVIEW</b>	1772
<i>R. Vegliante, A. Marzano, S. Miranda, C. Montefusco</i>	
<b>AUDIO-BASED LEARNING AT WORK: PRELIMINARY RESULTS OF AN EXPLORATORY INTERVIEW STUDY</b>	1780
<i>A. Ogunyemi, M. Bauters</i>	
<b>INCLUSIVE UNIVERSITY DIGITAL EDUCATION: LESSONS LEARNED FROM THE COVID-19 MOVE TO ONLINE LEARNING</b>	1788
<i>A. Carminke, M. Hilzensauer, A. Pecher, R. Vaughan, P. Rannou, F. Angeloni, M. Marchadour</i>	
<b>AN ENHANCED ASSESSMENT METHODOLOGY FOR SIGNIFICANT WORK PLACEMENT</b>	1795
<i>N. Fitzgerald, K. O’Sullivan, I. Morris, J. Walsh, F. Boyle, E. O’Connell, G. Corkery</i>	
<b>INCREASING UNDERGRADUATE’S ENGAGEMENT THROUGH REFLECTIONS IN ELECTRONIC PORTFOLIOS</b>	1802
<i>M.C. Blanco-Gandía, G. López-Crespo, N. Sánchez-Pérez, M. Alcaraz-Iborra, T.I. Jiménez-Gutiérrez, S. Valdivia-Salas, S. Montagud-Romero, C. Ferrer-Pérez</i>	
<b>LEARNING STRATEGIES: TRADITIONAL VS AUTONOMOUS MODEL</b>	1806
<i>S. Montagud-Romero, M.C. Blanco-Gandía, C. Ferrer-Pérez</i>	
<b>IDENTIFICATION OF THE EXTENT OF THE UNIVERSITY’S INFLUENCE ON STUDENTS’ CREATIVE THINKING</b>	1810
<i>T. Corejova, J. Ciba, M. Rostasova, A. Valicova</i>	

<b>DIGITAL TEACHING LITERACY: IDENTIFYING SKILLS GAPS AND BEST PRACTICE IN ONLINE TEACHING IN SCHOOLS</b>	1818
<i>A. Carminke, Ö. Sengülen, V. Marinescu, A. Rodideal, L. Popa, R. Marinache, S. Branea, S. Stylianou, C. Thrasyvoulou, V. Bravou, Y. Papagerasimou, A. Drigas, C. Kefalis, M. Steinmetz</i>	
<b>THE ACQUISITION OF ETHICAL, PROFESSIONAL AND ENVIRONMENTAL RESPONSIBILITY IN THE ARCHITECT ACADEMIC TRAINING</b>	1823
<i>I. Cabrera, E. Fenollosa, A. Llorca</i>	
<b>INCLUSION OF NOVICE TEACHERS IN THE SCHOOL AS A LEARNING ORGANIZATION</b>	1831
<i>J. Dzerviniks</i>	
<b>LANGUAGE IMMERSION FOR EVERYONE: MASSIVE EXPOSURE TO TARGET LANGUAGE THROUGH AUTHENTIC MATERIALS &amp; THE USE OF NEW TECHNOLOGIES</b>	1840
<i>S. Betancor Falcón</i>	
<b>ACCOUNTING STUDENTS' CONSTRUAL OF POTENTIAL EMPLOYERS: AN APPLICATION OF THE REPERTORY GRID TECHNIQUE</b>	1845
<i>J. Bagraim, J. Sher</i>	
<b>CITIZEN SCIENCE AS A TOOL FOR CHALLENGE-BASED LEARNING IN HIGHER EDUCATION</b>	1850
<i>F. Vilariño</i>	
<b>IMPLEMENTING HACKATHONS WITH STUDENTS FROM MULTI-DISCIPLINARY HIGHER EDUCATION DEGREES FOR A CHALLENGE-BASED LEARNING APPROACH</b>	1851
<i>F. Vilariño, J. Serra-Ruiz</i>	
<b>APPROACHES FOR EDUCATION IN INVESTMENT PROJECTS MANAGEMENT</b>	1858
<i>D. Yordanova</i>	
<b>DEVELOPING A FLIPPED CLASSROOM MODEL TO INCREASE CONCEPTUAL UNDERSTANDING IN BIOLOGY COURSES AT A COMMUNITY COLLEGE</b>	1863
<i>P. Bhansali, S. Ghoshal, M. Tawde</i>	
<b>FANFICTION COMMUNITIES AND THEIR ROLE IN PROMOTING BOTH READING AND WRITING IN YOUNG PEOPLE</b>	1873
<i>G. López Sánchez, A. León-Geyer</i>	
<b>OPPORTUNITIES FOR THE FORMATION OF DIGITAL COMPETENCIES IN EDUCATION DURING TRADITIONAL AND DISTANCE LEARNING</b>	1883
<i>B. Ilieva, G. Atanasova</i>	
<b>TRANSFORMATIONAL CHALLENGES FOR PEDAGOGICAL COMPETENCE: THE PERSPECTIVE OF ACADEMIC STAFF</b>	1890
<i>O. Vindača, V. Ľubkina</i>	
<b>ACADEMIC MIGRATION AND THE JUDICIALIZATION OF POLICIES IN THE ITALIAN HIGHER EDUCATION SYSTEM</b>	1901
<i>M. Verardi</i>	
<b>THE INTERNATIONALIZATION OF THE ITALIAN HIGHER EDUCATION SYSTEM, A PUBLIC POLICY ANALYSIS</b>	1905
<i>M. Verardi</i>	
<b>TEACHING LATIN-GREEK MEDICAL TERMINOLOGY FOR INTERNATIONAL MEDICAL STUDENTS: CHALLENGES AND PITFALLS</b>	1913
<i>N. Malinovská, V. Sadloňová, S. Javornický</i>	
<b>GAMIFICATION AS A MEANS TO INCREASE TEACHING EFFICIENCY</b>	1920
<i>P. Brečka, M. Šebo, A. Hašková, J. Záhorec</i>	
<b>REMOTED CURATION: DIGITAL OBJECT-BASED LEARNING IN UNIVERSITY MUSEUMS DURING THE COVID-19 PANDEMIC</b>	1926
<i>S. Tanabashi</i>	
<b>VIRTUAL INTERNSHIPS IN TECH CENTERS</b>	1931
<i>L. Gómez Estrada, L. Pietra, S. Randaccio, C. Zoli, V. García Ortuño, R. Navarro Cerverò, P. Carrolaggi, P. Karampelas, J.S. Nunes, C. Solano Martínez, L. Gómez Estrada, J.L. Gomez Ribelles</i>	
<b>EDUCATIONAL INCLUSION INTO DIVERSITY, FACING SCHOOL LEAVING: INNOVATIVE METHODOLOGIES TO SUPPORT ETHNIC MINORITY STUDENTS AND STOP HATE SPEECH IN EUROPE</b>	1939
<i>J.L. Gómez Ribelles, R. Navarro Cerverò, V. García Ortuño, R. Sixto Iglesias, M. Ferré, M.J. Jiménez Cortiñas, F. Celdrán Martínez, P. Carrolaggi, M. Duarte Oliveira, N. Kovac, C. Zoli</i>	
<b>BEYOND EDUCATION: DEVELOPING 21ST CENTURY COMPETENCIES THROUGH ONLINE LEARNING PROGRAMS AMONG INTERNATIONAL YOUNG STUDENTS</b>	1944
<i>M.P. Celume</i>	

<b>USABILITY AS A PREDICTOR OF CONTINUANCE INTENTION TO USE A SYSTEM FOR DIGITAL COMPETENCE ACQUISITION</b> <i>A. Sobodić, I. Balaban</i>	1945
<b>APPROACH TO PHYSICS AND TECHNOLOGY, THROUGH ITS APPLICATIONS, TO STUDENTS IN THE FIRST YEAR OF DEGREES IN INDUSTRIAL ENGINEERING</b> <i>J. López, B. Montero, J. Martín, M. Rico, R. Bouza</i>	1955
<b>A BLENDED LEARNING IN-SERVICE TEACHER TRAINING FOR SUPPORTING INQUIRY-BASED LEARNING IN ELEMENTARY SCHOOLS</b> <i>B. Köpp, A. Clerc, H. Mandl</i>	1962
<b>DETERMINANTS OF STUDENTS' SATISFACTION WITH HIGHER EDUCATION INSTITUTIONS: A LITERATURE REVIEW</b> <i>M. Rodríguez Gascó, J. Martí-Parreño, J. González Such, R. Currás Pérez</i>	1971
<b>DEVELOPMENT OF LEADERSHIP SKILLS IN WORKING LIFE PROJECTS</b> <i>T. Tallgren, T. Uusitalo</i>	1977
<b>ANALYSIS OF THE RESULTS ACHIEVED BY DIFFERENT FORMS OF TEACHING COMPUTER SCIENCE AT SECONDARY SCHOOLS</b> <i>K. Shoylekova, B. Ivanova</i>	1986
<b>ANALYSIS OF THE EVALUATION SYSTEM FOR THE RENEWAL OF ACCREDITATION IN UNIVERSITY MASTER'S DEGREES IN THE EDUCATIONAL FIELD IN ANDALUSIA</b> <i>M.T. Nestares</i>	1992
<b>FACT CHECKING IN HIGHER EDUCATION</b> <i>A. Teles Vieira</i>	1997
<b>HOW CAN WE TACKLE SOCIAL INCLUSION THROUGH GAMIFICATION MECHANISMS?</b> <i>A. Teles Vieira</i>	2003
<b>DIGITAL TECHNOLOGIES AND RESOURCES FOR ONLINE LEARNING</b> <i>M.R. Jianu, V. Gridan</i>	2009
<b>MEASURING 21ST CENTURY COMPETENCIES AMONG YOUTH: THE COMPETENCIES COMPOUND INVENTORY FOR THE 21ST CENTURY</b> <i>M.P. Celume, H. Maoulida</i>	2016
<b>HOW TO SUPPORT HEALTHCARE PROFESSIONALS' CONTINUING DEVELOPMENT IN LOW- AND LOW-MIDDLE-INCOME COUNTRIES?</b> <i>C. Larue, L. Merry, R. Rouleau, D. Létourneau-Aspirot, M.F. Deschênes, S.A. Castiglione</i>	2017
<b>GRAFFA: A SCIENTIFIC COMMUNICATION PROJECT BY YOUNG RESEARCHERS FOR VERY YOUNG PEOPLE</b> <i>E. Diociaiuti, R. Donghia, M. Giovannetti, S. Macis, E. Margoni, E. Patrignanelli, M. Petrassi, L. Rubino</i>	2018
<b>FROM FACE-TO-FACE TO ONLINE LEARNING: PERFORMANCE AND PERCEPTIONS IN A COMPUTER ORGANIZATION AND ARCHITECTURE COURSE</b> <i>C. Margi, R. Silveira</i>	2026
<b>4 X 4: METHODOLOGY TO DESIGN A SET OF 4 MOOCS BETWEEN 4 ENTITIES UNDER THE SAME TOPIC – ERASMUS + SMART REHABILITATION 3.0 PROJECT</b> <i>B. Onecha, M. Bosch, M. Bosch Prat, C. Cornadó, E. Crespo, J. Martí</i>	2034
<b>WHY AND HOW TO IMPLEMENT A MENTORING PROGRAMME IN UNIVERSITY ENVIRONMENTS?</b> <i>M.L. Fernando Velázquez, A.I. Tarrero Fernández, V.A. Lafuente Sánchez</i>	2041
<b>STUDENT VOLUNTEERING AND RESEARCH READINESS FOR INCLUSION IN PROGRAMS IN SUPPORT OF THE PUBLIC HEALTH</b> <i>M. Obreykova, A. Andonova</i>	2050
<b>PRACTICE OF COMPUTER THINKING EDUCATION WITH THE COOPERATION OF UNIVERSITY STUDENTS IN ELEMENTARY SCHOOL - PROPOSAL OF CLASS MANAGEMENT METHOD UNDER COVID19</b> <i>A. Minamide, K. Takemata, S. Fujishima</i>	2056
<b>ON TOLERANCE AND TEACHING STRATEGY IN DESIGNING TOOLS FOR TEACHING FOREIGN LANGUAGES TO MULTICULTURAL AND MULTIETHNIC GROUPS OF STUDENTS</b> <i>G.A. Necula</i>	2062
<b>THE PRODUCTION OF SPACE: ONLINE EXPERIENTIAL LEARNING</b> <i>S. Dugal, K. Srivichaiin, R. Levesque, R. Coleman, A. Mogauro, P. Elliott, M. Rizzo, L. Hurley, J. Digrazia, E. Bazile, B. Conti, K. Gauvin, A. Ornberg, M. Bergantine, T. DeJulia, A. Miller, Z. Kent, C. Gosselin, J. Sousa, G. Fawcett, A. Newton, C. Mitchell, H. Pangburn, J. Rosati, D. Casavant, S. Singh, R. Singh</i>	2063

<b>TOURISM FACULTY PERCEPTIONS TOWARDS ONLINE TEACHING DURING ERT</b> <i>S. Pais, L. Chagas, A.L. Pires</i>	2067
<b>EDUCATION FOR SUSTAINABLE CONSUMPTION AND CONSUMER PREFERENCES</b> <i>D. Rosu, M. Fratu</i>	2072
<b>MICROTEACHING VIA ZOOM IN PRESERVICE ENGLISH LANGUAGE TEACHER TRAINING: TECHNOLOGY, PEDAGOGY, AND CONTENT KNOWLEDGE</b> <i>C.H. Ng</i>	2078
<b>TOWARDS SEAMLESS INCORPORATION OF EXPERIENTIAL LEARNING INTO SUMMATIVE EVALUATIONS CONDUCTED IN REALISTIC SETTINGS</b> <i>M. Amzalag, D. Kohen-Vacs</i>	2085
<b>THE SCHOOL MEETS ITS ENVIRONMENT. DISCOVERING THE VENICE LAGOON</b> <i>N. Cazzador, S. Dal Maso, M. Bellio, E. Piva, S. Schumann, P. Irato, G. Santovito</i>	2086
<b>MICROORGANISMS IN PRIMARY SCHOOL: A LABORATORY APPROACH TO STUDY MICROBIOLOGY AND BIOTECHNOLOGIES</b> <i>S. Masiero, A. Lago, M. Bellio, E. Piva, S. Schumann, P. Irato, G. Santovito</i>	2095
<b>DESIGN EDUCATION FOR A HEALTHIER AGEING: DESIGN STUDENTS EXPLORE MULTIMORBIDITY, A WIDESPREAD AGE-RELATED CONDITION</b> <i>A. Buffagni, M. Frausin, G. Dalai</i>	2105
<b>DOES ONLINE TEACHING IN UNIVERSITY ENVIRONMENT LACK AMBITION DURING THE COVID-19 PANDEMIC?</b> <i>A. Oulmane</i>	2116
<b>IMPACT OF MOBILE APPLICATIONS (APPS) IN FIRST-YEAR AGRICULTURE COURSES</b> <i>G. Masilo, S. Simelane-Mnisi, A. Mji, I. Mokgobo</i>	2117
<b>DEVELOPMENT OF A PRELIMINARY EDUCATION PROGRAM USING DIGITAL STORYTELLING: EDUCATIONAL PROGRAM FOR STUDENTS BEFORE LEARNING FULL-SCALE PBL</b> <i>K. Takemata, A. Minamide, S. Fujishima</i>	2124
<b>REFLECTION ON FEVER FOR "1+X" CERTIFICATE EXAMINATIONS</b> <i>X. Wang, G. Guo, L. Yang, Y.J. Li</i>	2128
<b>HYBRID LEARNING COMPARED TO OTHER METHODS USING AVIATION GAMING SOFTWARE</b> <i>M. Landry, L. Landryova</i>	2132
<b>A SYSTEM FOR DESIGN AND DEVELOPMENT OF MULTIMEDIA M-LEARNING RESOURCES: PROTOTYPE</b> <i>T. Dobрева, S. Stoyanova-Petrova, D. Stoyanova, N. Mileva</i>	2141
<b>CHARACTERISTICS OF COGNITIVE LOAD RAISED DURING QUESTION-ASKING IN MATHEMATICAL ACTIVITIES</b> <i>I. Lavy, A. Shriki</i>	2148
<b>MORE THAN THE TEXTBOOK TEACHES - CLIENT-BASED GLOBAL VIRTUAL TEAMS PROJECTS</b> <i>S. Swartz</i>	2158
<b>PRESCHOOL CHILDREN'S ABILITY TO SOLVE DIVERSE TYPES OF COMPARISON TASKS</b> <i>A. Cubova, S. Pechouckova</i>	2159
<b>AN EFFICIENT PERFORMER-BASED MODEL FOR AUTOMATIC FEEDBACK GENERATION FOR TEACHING OBJECT-ORIENTED PROGRAMMING</b> <i>F.H. Wang</i>	2167
<b>CHILDREN'S LITERATURE: A PATHWAY OF SCIENTIFIC AND DIDACTICAL OPPORTUNITIES</b> <i>C. Cruz, A. Breda</i>	2175
<b>@FISIOFARMA_US OUTREACH ACTIVITY: A NOVEL WAY TO LEARN PHYSIOLOGY AT THE UNIVERSITY OF SEVILLE</b> <i>Á. Santana-Garrido, S. Arguelles Castilla, L. Carrascal Moreno, F. Nogales Bueno, P. García Miranda, C.M. Vázquez Cueto, P.A. Núñez Abades, M.L. Calonge Castrillo, M.J. Peral Rubio, A. Mate Barrero, M. Cano Rodríguez, O. Carreras Sánchez, M.L. Ojeda Murillo, M.D. Vázquez Carretero</i>	2183
<b>THE DIALOGUE READING AS AN OPPORTUNITY FOR STUDYING LITERATURE</b> <i>R. Lebedova</i>	2184
<b>ENVIRONMENTAL AWARENESS THROUGH VIDEOS: PERCEPTIONS OF MIDDLE-SCHOOL TEACHERS IN INDIA</b> <i>T. Vyas, G. Dalvi</i>	2189



<b>COULD 'INSTAGRAM STORIES' IMPROVE PHYSIOLOGY SKILLS? AN EXPERIENCE IN PHARMACY AND OPTICS DEGREE</b>	2197
<i>Á. Santana-Garrido, L. Carrascal Moreno, M.D. Vázquez Carretero, P. García Miranda, F. Nogales Bueno, C.M. Vázquez Cueto, P.A. Núñez Abades, M.L. Calonge Castrillo, M.J. Peral Rubio, M. Cano Rodriguez, A. Mate Barrero, O. Carreras Sánchez, S. Arguelles Castilla, M.L. Ojeda Murillo</i>	
<b>PREPARING LIBRARIANS WITH THE SKILLS NECESSARY TO EDUCATE ENGLISH LANGUAGE LEARNERS IN THE U.S.</b>	2198
<i>D. Lashaun Smith, X. Zhang, T. Tyler-Wood</i>	
<b>TEACHERS, STUDENTS, AND PARENTS AS EDUCATION PARTNERS AND THEIR EDUCATIONAL OBJECTIVES IN PERSPECTIVE OF THE FUTURE EDUCATION</b>	2204
<i>I. Barone</i>	
<b>MANAGING STRESS IN ONLINE DISSERTATION STUDENTS: A MULTIPLE CASE STUDY OF FACULTY PERCEPTIONS OF LOWERING STUDENTS' AFFECTIVE FILTER</b>	2211
<i>L. Bedford, A. Babcock</i>	
<b>THE IMPACT OF POSITIVE ILLUSORY BIAS ON THE ESTIMATION OF SCHOOL COMPETENCE OF CHILDREN WITH ADHD</b>	2212
<i>P. Škobrtal, I. Benešová, Z. Stránská, L. Lacková, M. Novotný, I. Tonhajzerová</i>	
<b>THE CONTRIBUTION OF TECHNO-PEDAGOGY COURSES TO TEACHERS' SELF-EFFICACY IN PROVIDING SOCIAL, EMOTIONAL AND LEARNING SUPPORT TO STUDENTS THROUGH DISTANCE LEARNING PROCESSES DURING COVID-19 AND BEYOND</b>	2219
<i>E. Salman, A. Sharif-Rasslan, J. Mussa, A. Fattum</i>	
<b>INTRODUCTION OF ELECTRONIC LEARNING IN THE EDUCATIONAL DISCIPLINE "LASER-THERAPY"</b>	2223
<i>I. Koleva, B. Yoshinov, R. Yoshinov</i>	
<b>INTRODUCTION OF PC-BASED TESTS IN THE PROCESS OF EVALUATION OF PROFESSIONAL COMPETENCES IN THE FIELD OF "PEDIATRIC NEUROREHABILITATION"</b>	2230
<i>R. Yoshinov, I. Koleva, B. Yoshinov</i>	
<b>FOSTERING MEDICAL EDUCATION TECHNOLOGY STUDENTS' INNOVATION CAPABILITY THROUGH INNOVATIVE LEARNING FRAMEWORK IN THE NEW NORMAL ERA</b>	2237
<i>K. Wilaphan, N. Songkram, S. Ngudgratoke</i>	
<b>THE EVALUATION OF UNIVERSITY DISTANCE TEACHING DURING THE COVID-19 PANDEMIC: AN ON-GOING ITALIAN RESEARCH ACTIVITY ON THE IMPACT OF DIGITAL TECHNOLOGIES</b>	2247
<i>A. Fornasari, C. Angelini, M. Conte, P. Contini</i>	
<b>ACQUISITION OF STUDY COURSES IN THE CONTEXT OF LIFELONG LEARNING</b>	2255
<i>I. Neimane</i>	
<b>WORKING STATUS, TEACHING EXPERIENCES AND WORKPLACE DEVIANT BEHAVIORS OF PRIMARY SCHOOL TEACHERS IN ENUGU STATE NIGERIA</b>	2261
<i>C. Okeke, C. Okeke, M. Ede</i>	
<b>COLLABORATION AMONG THE TEACHING PRACTICUM TRIAD DURING COVID-19 USING THE PERUSALL PLATFORM</b>	2267
<i>C. Nel</i>	
<b>QUALITATIVE ANALYTICAL CHEMISTRY IN A CRIME SCENE: A MEANS OF INCREASING STUDENTS' INTEREST</b>	2268
<i>V. Romero, I. Lavilla, I. de la Calle, F. Pena, C. Bendicho</i>	
<b>THE CHALLENGE OF THE INCLUSION OF THE SUSTAINABLE DEVELOPMENT GOALS IN THE INITIAL TRAINING OF SECONDARY SCHOOL TEACHERS</b>	2277
<i>C. López-Esteban</i>	
<b>CHOOSING FOR LIFELONG LEARNING? THAT'S CREATING TOGETHER A SUPPORTED VISION, MAKING THE EDUCATIONAL OFFERING FLEXIBLE, USING A HYBRID EDUCATIONAL APPROACH AND DEVELOPING A COACHING MODEL FOR LEARNERS</b>	2287
<i>S. Theuwen, A. Wanzeele</i>	
<b>TROUBLESHOOTING IN AN ONLINE CIRCUIT SIMULATION PLATFORM: A STUDY ON THE TROUBLESHOOTING PROCESS BY FIRST-YEAR UNDERGRADUATE STUDENTS IN A BLENDED PROJECT-BASED LEARNING COURSE</b>	2295
<i>N. Humbi, P.B. Patil, M. Vijayalakshmi</i>	
<b>A PROPOSED APPROACH TO TEACHING INTRODUCTORY PROGRAMMING. EXPERIENCES FOR NON-SPECIALISTS IN COMPUTER SCIENCE</b>	2301
<i>J.R. Pérez Beltrán, R.P. Neco, N.M. García Aracil, J.M. Catalán</i>	

<b>M-LEARNING AS A LONG-LASTING SCAFFOLDING TOOL. HOW SOCIAL MEDIA AND MOBILE COULD SUPPORT NEW HYBRID FORMS OF DESIGN STUDIO TEACHING</b>	2310
<i>V. Linfante, A.G. Manciaracina</i>	
<b>COLLECTIVE PERCEPTION OF GEOGRAPHICAL SPACE IN EDUCATION</b>	2318
<i>O. Cerba, K. Jedlicka</i>	
<b>THE DISTRIBUTED CLASSROOM: FACING NEW CHALLENGES IN THE IMPLEMENTATION OF ITALIAN LANGUAGE COURSES DURING THE COVID-19 PANDEMIC</b>	2326
<i>R. Dolci, T. Sbardella</i>	
<b>SPEED NETWORKING AS TEAM MENTORING TOOL FOR EMPOWERING YOUNG WOMEN ENGINEERING STUDENTS</b>	2335
<i>B. Lopez, M. Baena, B. Innocenti, N. Mancebo, I. Ferrer</i>	
<b>ONLINE ENVIRONMENT TO SUPPORT THE INTERVENTION OF EXECUTIVE FUNCTIONS IN YOUNG CHILDREN: USER NEEDS IN A PILOT STUDY</b>	2339
<i>S. Panesi, L. Ferlino, G.P. Caruso</i>	
<b>APPLIED INTERNET TEACHING INNOVATION</b>	2349
<i>Y. Cao, Q. Bai, Y. Huang</i>	
<b>ANIMATION OF A FORGOTTEN INVENTION - THE SODA LOCOMOTIVE</b>	2358
<i>A.L. Ehrhardt, N. Vorhauer-Huget, H.J. Rzepus, D. Broneske</i>	
<b>PERSONAL EXCELLENCE BASED PROFILING TO IDENTIFY AND APPLY TOOLS AND TRAININGS FOR A BETTER AND SUSTAINABLE WORK-LIFE-FLOW</b>	2365
<i>J.P. Czakert, L. Pais, N. Rebelo, P. Nogueira, F. Scheibein, J. Wells, R. Berger</i>	
<b>EXPERIENTIAL KNOWLEDGE INTO THE HIGHER EDUCATION SYSTEM: POSSIBILITIES AND PERSPECTIVES</b>	2370
<i>M.B. Gambacorti-Passerini, F. Oggionni, G. Romeri, M. Sottocorno</i>	
<b>STRATEGIES FOR CONTENT CHUNKING AND SEGMENTING FOR ONLINE COURSE DESIGN</b>	2379
<i>S. Kavale, N. Humbi, S. Kurundawade</i>	
<b>ANALYTIC RATING SCALES: TRAINING STUDENT TEACHERS TO JUDGE LANGUAGE LEARNERS' WRITTEN PERFORMANCES</b>	2386
<i>J. Béréšová</i>	
<b>DEVELOPMENT OF TEACHING STRATEGIES USING VIRTUALIZATION STRATEGIES AS COMPLEMENTARY RESOURCES ON GEOLOGY, CRYSTALLOGRAPHY, AND ARCHAEOLOGY</b>	2391
<i>S. Barroso-Solares, O. Fadon, E. Rodríguez, C. Sanz-Minguez, A.C. Prieto, J. Pinto</i>	
<b>INTERACTIVE CLINICAL VIRTUAL REALITY LAB FOR HIGHER EDUCATION STUDENTS IN BIOMEDICAL LABORATORY TECHNOLOGY</b>	2397
<i>K. Van Den Bergh, I. Vermeulen, J. Willems, L. Gielen, R. Decraemer, B. Philtjens, V. Katsoulis, K. Merckx, D. Seré, J. Tummers, P. De Mazière, S. Martin</i>	
<b>PLURALISTIC APPROACHES IN TEACHING GERMAN AS A SECOND LANGUAGE</b>	2402
<i>J. Béréšová, R. Ševčík</i>	
<b>DEVELOPMENT OF ADVANCED LABORATORY PRACTICES ON X-RAY DIFFRACTION USING PORTABLE X-RAY DIFFRACTOMETERS</b>	2408
<i>A.I. Quílez-Molina, V. Hurtado-García, S. Barroso-Solares, M.A. Rodríguez-Perez, J. Pinto</i>	
<b>ESTALQUIM. AN EXTRACURRICULAR PROJECT IN CHEMISTRY</b>	2415
<i>M. Rodríguez Delgado, D. Quiñonero, J. Frau</i>	
<b>INNOVATIVE TOOL OF PROGRESS ASSESSMENT: LEARNER-CREATED E-BOOK</b>	2423
<i>O. Mangova, M. Andreeva</i>	
<b>GENDER AND POWER RELATIONSHIPS IN GREEK AND ENGLISH PAREMIOLOGY: COMBATING GENDER STEREOTYPES IN EDUCATION</b>	2428
<i>E. Theodoridou, M. Loikov</i>	
<b>INNOVATIVE METHODS OF ENHANCING LISTENING SKILLS AND PERCEIVING PROPER NAMES IN POLITICAL DISCOURSE</b>	2435
<i>O. Mangova, M. Andreeva</i>	
<b>PERCEPTION OF ADVANTAGES/DIFFICULTIES OF REMOTE TEACHING DURING COVID-19 PANDEMIC: RESULTS FROM A SURVEY WITH 3000 ITALIAN ENGINEERING STUDENTS</b>	2440
<i>R. Mazzola, M. Bozzi, I. Testa, F. Brambilla, M. Zani</i>	
<b>IS BLENDED LEARNING FOR FUTURE DOCTORS BETTER THAN TYPICAL FACE-TO-FACE TEACHING? (COMPARATIVE ANALYSIS)</b>	2446
<i>Z. Balázsová</i>	

<b>CONVERSATIONAL MACHINES: CHATBOTS IN ENGINEERING EDUCATION</b>	2450
<i>R. Dorado-Vicente, L. Robles-Lorite, E. Torres-Jiménez, G. Medina-Sánchez, A. García-Collado</i>	
<b>TRANSITION, DOUBLE IMAGE AND A GREENHOUSE - DIFFERENT PERSPECTIVES ON TRANSITION TO SCHOOL</b>	2457
<i>I. Somolanji Tokić, E. Slunjski</i>	
<b>EXAMINATION OF THE PREVALENCE AND PREDICTORS OF VIDEOGAME ADDICTION AMONG SCHOOL CHILDREN</b>	2465
<i>M. Ede, C. Okeke, C. Okeke</i>	
<b>POPULARIZATION OF READING BOOKS IN THE FORM OF CREATING LEISURE READING CLUBS AND HOBBY GROUPS IN PRIMARY SCHOOLS IN THE CZECH REPUBLIC</b>	2472
<i>J. Trávník</i>	
<b>TEACHING INDIVIDUALS WITH AUTISM ONLINE SEXUAL ABUSE PROTECTION SKILLS</b>	2481
<i>N. Akmanoğlu, Ş. Şahin</i>	
<b>FRUGAL PROTOTYPING: AN INTERVENTION TO IMPROVE PROTOTYPING SKILLS IN ENGINEERING EDUCATION</b>	2482
<i>K. Mallibhat, M. Vijayalakshmi, M. Asundi, S. Channangi</i>	
<b>FRAMING DIGITAL SKILLS DEVELOPED THROUGH INFORMAL, DIGITAL ACTION INSIDE AND OUTSIDE UNIVERSITIES</b>	2490
<i>K. Zourou, S. Oikonomou</i>	
<b>STUDENTS' EVALUATION OF FAKE NEWS DETECTION AND COUNTERMEASURES AGAINST FAKE NEWS</b>	2498
<i>T. Sigmund</i>	
<b>THE DIGEDU-2021 PROJECT: DIGITIZATION AND DIGITALIZATION OF ELEMENTARY EDUCATION THROUGH MOBILE APPLICATIONS</b>	2506
<i>M. Čarapina, L. Labura, M. Mišić, M. Zerec, S. Živković</i>	
<b>CROSS-PLATFORM MOBILE APPLICATION FOR LEARNING PHYSICS</b>	2515
<i>M. Vranić, M. Čarapina, I. Stipaničev</i>	
<b>TEACHERS EXPERIENCE ON GAME-BASED LEARNING AND IDENTIFICATION OF THEIR MOST COMMON PRACTICES: A CROSS-NATIONAL EXPLORATORY RESEARCH</b>	2521
<i>J. Martí-Parreño, J. Oceja-Castañedo, S. Arkun Kocadere</i>	
<b>ACQUISITION OF TRANSVERSAL SKILLS THROUGH INFORMAL COOPERATIVE LEARNING VS INDIVIDUALIZED LEARNING IN RESPIRATORY PHYSIOTHERAPY</b>	2528
<i>S. Cortés-Amador, M.A. Cebrià-I-Iranzo, F.M. Martínez-Arnau</i>	
<b>EDUCATIONAL ESCAPE ROOMS ACTIVITIES TO FACILITATE LEARNING STRATEGIES AND IMPROVE TEACHING, LEARNING, AND ASSESSMENT PROCESSES</b>	2534
<i>D. Sousa, A. Coelho, M. Torres</i>	
<b>LABOR TRENDS IN THE FRAMEWORK OF THE CIRCULAR ECONOMY AND ITS IMPACT ON THE ADAPTATION OF UNIVERSITY TRAINING PROFILES FOR 2035</b>	2540
<i>J.V. López</i>	
<b>THE 4X4 PROBLEM-BASED LEARNING MODEL AS A STRATEGY FOR THE DEVELOPMENT OF THE FIVE DIMENSIONS OF COOPERATIVE LEARNING AND ITS IMPACT ON THE DEGREE OF MOTIVATION OF PHYSIOTHERAPY STUDENTS</b>	2549
<i>S. Cortés-Amador, M.A. Cebrià-I-Iranzo, F.M. Martínez-Arnau</i>	
<b>A GAME-BASED LEARNING CASE STUDY: WHO WANTS TO BE A MILLIONAIRE?</b>	2554
<i>N. Kadoic, B. Divjak, D. Oreški</i>	
<b>STUDENTS' SOFT COMPETENCES IN TIMES OF COVID-19</b>	2563
<i>F. Achcaoucaou, A. Núñez-Carballosa, P. Miravittles, L. Guitart</i>	
<b>THE MODERN APPROACH TO IMPLEMENTATION OF SLOVAK AND ENGLISH MATHEMATICAL TERMS INTO UNIVERSITY TEACHING/LEARNING PROCESS</b>	2573
<i>B. Bačová, E. Leláková</i>	
<b>WORK BASED LEARNING IN ENGINEERING EDUCATION</b>	2579
<i>R. Ayinde, Z. Rihawi, F. Azmat</i>	
<b>AUTHENTIC LEARNING FOR UNDERGRADUATE STUDENTS IN A B2B CONTEXT</b>	2585
<i>S. Filipe, I. Saur-Amaral</i>	
<b>CHILDLESSNESS AS AN AWARENESS ISSUE FOR THE WORKPLACE INCLUSION IN EDUCATION</b>	2593
<i>V. Stige-Škuškovnika</i>	

<b>RECORDING STUDENT-GENERATED VIDEOS OF THEORETICAL NOTIONS AS A SELF-LEARNING TOOL IN CHEMISTRY EXPERIMENTAL SUBJECTS BY FIRST-YEAR UNDERGRADUATE STUDENTS</b>	2601
<i>E.J. Carrasco-Correa, M. Vergara-Barberán, H. Martínez-Pérez-Cejuela, J.M. Herrero-Martínez, E.F. Simó-Alfonso, M.J. Lerma-García, M. Beneito-Cambra</i>	
<b>aTHEORETICAL CONCEPTS IN STUDENT-GENERATED VIDEOS AS A SELF-LEARNING TOOL IN CHEMISTRY-RELATED SUBJECTS</b>	2608
<i>E.J. Carrasco-Correa, M. Vergara-Barberán, H. Martínez-Pérez-Cejuela, J.M. Herrero-Martínez, E.F. Simó-Alfonso, M.J. Lerma-García, M. Beneito-Cambra</i>	
<b>MANAGING THE MONSTER OF TIME: A THEMATIC ANALYSIS EXPLORING HOW WOMEN TALK ABOUT THAT BEAST</b>	2616
<i>A. Burnett, N. DiTunnariello, B. DeGreeff</i>	
<b>EXPLORING TECHNOLOGY RESISTANCE IN ONLINE ASSESSMENT AND FEEDBACK PRACTICES</b>	2617
<i>A. Soares, M. Lerigo-Sampson, J. Barker</i>	
<b>OPPORTUNITIES AND CHALLENGES OF SUPERVISING INTERNATIONAL DOCTORAL STUDENTS FROM THE COMMUNITY OF PORTUGUESE LANGUAGE COUNTRIES: PORTUGUESE SUPERVISORS' PERSPECTIVES</b>	2618
<i>S. Pinto</i>	
<b>NEUROTECHNOLOGY APPLIED TO THE ASSESSMENT IN HIGHER EDUCATION</b>	2627
<i>D. Puente Berdasco, T. Magal-Royo, E. Jiménez-Ibáñez</i>	
<b>VOCATIONAL TRAINING OF THE BASIC BODIES OF INTEGRATED RESCUE SYSTEM OF THE CZECH REPUBLIC WITH THE USAGE OF THE SIMULATION TECHNOLOGIES AND THE VIRTUAL REALITY</b>	2636
<i>M. Antonín</i>	
<b>UKRAINIAN EDUCATION IN THE CONDITIONS OF WAR: CHALLENGES AND RISKS</b>	2646
<i>V. Chepak, O. Klymenko</i>	
<b>STAFF TRAINING AS A DETERMINING FACTOR IN THE ADOPTION OF 4.0 TECHNOLOGIES IN THE FURNITURE SECTOR</b>	2657
<i>A. Muñoz-Puche, A.I. Jiménez-Zarco, A. Izquierdo-Yusta</i>	
<b>DEVELOPMENT OF BPROGRAM: A GAMIFICATION-BASED APPLICATION TO ENHANCE PROGRAMMING LEARNING</b>	2665
<i>A. Carrera Rivera, A. Mayorga Alban, J. Samaniego Villarroel, K. Brand Cordova, E. Bajaña Tomalá</i>	
<b>ACCESSIBILITY OF INTACT PUPILS TOWARDS PUPILS WITH DISABILITIES THROUGH INTERACTIVE TEACHING MATERIALS</b>	2671
<i>A. Hanakova, T. Hrudova, B. Hudcova, K. Kroupova, K. Simunkova, M. Potmesil, V. Ruzickova, G. Špinarova, L. Travnickova, E. Urbanovska, V. Vachalova</i>	
<b>ONLINE TEACHING AND STUDYING AT A SELECTED UNIVERSITY IN THE CONTEXT OF THE COVID-19 PANDEMIC</b>	2677
<i>M. Beranová, M. Navrátilová</i>	
<b>THE IMPACT OF GAMIFICATION IN EDUCATION: LEARNING MATH FROM MOBILE GAMES</b>	2678
<i>A. Carrera Rivera, A. Mayorga Alban, J. Samaniego Villarroel, S. Arias Rosales, D. Romero Herrera</i>	
<b>ASSESSMENT OF ADHD TRAITS VIA STIMULI-TARGETED VIRTUAL REALITY</b>	2684
<i>A. Bingham, M.F. Obeid</i>	
<b>A TUTORING SERVICE TO RESPOND TO THE OCCASIONAL LEARNING DIFFICULTIES OF STUDENTS</b>	2694
<i>S. Ammar</i>	
<b>EXPERIENCE WITH VARIOUS FORMS OF HANDS-ON TEACHING</b>	2699
<i>P. Fanta, L. Cupal, D. Skokanová</i>	
<b>POSTPHENOMENOLOGICAL STUDIES OF MACHINE LEARNING EDUCATION IN ELEMENTARY SCHOOL</b>	2704
<i>G. Shamir, G. Wellner, I. Levin</i>	
<b>ADVANCING INCLUSIVE EDUCATION THROUGH INTERNATIONAL SIGN</b>	2714
<i>T. Oliveira, P. Escudeiro, N. Escudeiro</i>	
<b>IMPLICATIONS OF E-LEARNING DURING THE COVID-19 PANDEMIC</b>	2715
<i>E. Babintseva, E. Kartseva, D. Mansur, E. Trifonova</i>	
<b>WIDENING PARTICIPATION IN HIGHER EDUCATION: EXPLORING THE FACTORS THAT IMPACT ON BLACK ASIAN AND MINORITY ETHNIC STUDENTS ATTAINMENT AT A POST-1992 UNIVERSITY IN ENGLAND</b>	2720
<i>P. Seuvou, N. Dodzo, Y.I. Osho, W. Ajaefobi, T.A. Ngwana, D. Sarwar, A. Pilkington, M. Daye</i>	

<b>A UNIVERSITY-SECONDARY SCHOOL COLLABORATION TO PROMOTE SOCIAL INCLUSION FOR OLDER ADULTS WITH PHYSICAL DISABILITIES</b> <i>S.H.S. Lo, J.P.C. Chau</i>	2730
<b>FLIPPED LEARNING METHODOLOGY WITH DEVELOPMENT OF A TOXICOGENOMIC DATABASE IMPROVES TOXICOLOGY STUDENTS' ACADEMIC PERFORMANCE</b> <i>P. Moyano, J.M. Garcia, E. Sola, A. Flores, J. García, L. Guerra, M.V. Naval, J. Sanjuan, M. Lobo, A. Pelayo, M.T. Frejo, M.J. Anadon, M. Ruiz, J. Del Pino</i>	2731
<b>SIMULATED WORLDS AND TOXICOGENOMIC 3D MODELS USE IN CLASS IMPROVES TOXICOLOGY STUDENTS' ACADEMIC PERFORMANCE</b> <i>P. Moyano, E. Sola, J.M. Garcia, A. Flores, J. Garcia, M.V. Naval, L. Guerra, J. Sanjuan, M. Lobo, M. Ruiz, M.T. Frejo, A. Pelayo, M.J. Anadon, J. Del Pino</i>	2738
<b>A PATCHWORK QUILT: A COVID-INDUCED INNOVATION</b> <i>C. Beaton</i>	2739
<b>THE IMPORTANCE OF COLLABORATIVE AND MULTIDISCIPLINARY WORKS IN THE CO-CONSTRUCTION OF A PROJECT FOR COMPUTER LITERACY AND HEALTH RESEARCH FOR PREGNANT IMMIGRANT WOMEN IN QUEBEC CITY: A CASE STUDY</b> <i>M.P. Gagnon, E. Corona Velazquez</i>	2749
<b>EXPERIENCE WITH THE IMPLEMENTATION OF PERSONAL IT SUPPORT FOR TEACHERS IN TEACHING, RESEARCH, PUBLISHING AND E-LEARNING USING IN-HOUSE EDUCATIONAL SOFTWARE</b> <i>S. Svetsky, O. Moravcik, D. Mikulowski, Z. Cervenanska</i>	2750
<b>CERTIFICATION OF FEATURED CURRICULUM, THE EXPLORATION OF USING AR TO LEARN FEATURED COURSE</b> <i>S.T. Wei</i>	2758
<b>CHOICES FOR HIGHER EDUCATION AFTER COVID-19: TO BE OR NOT TO BE SERIOUSLY DIGITAL</b> <i>A. Rof, A. Bikfalvi, P. Marques</i>	2765
<b>CROSS-DISCIPLINARY NARRATIVES WITH THE METHOD OF OBJECT DECIPHERING FOR SELF-EXPLORATION</b> <i>S. Tanabashi</i>	2772
<b>DEVELOPMENT OF LOCAL WISDOM RESOURCE-BASED LEARNING MODEL WITH CLOUD TECHNOLOGY IN GAMIFICATION ENVIRONMENT TO DEVELOP COMMUNITY INFORMATION LITERACY FOR HIGHER EDUCATION LEARNERS IN THAILAND</b> <i>N. Chamniyon, P. Koraneekij, J. Khlaisang</i>	2776
<b>DIGITAL EDUCATIONAL ENVIRONMENT AS A PHENOMENON OF UNCERTAINTY IN PEDAGOGICAL PRACTICE</b> <i>T.M. Rezer</i>	2786
<b>TRANSFORMATION OF TEACHERS' CAPABILITIES IN THE IMPLEMENTATION OF PROFESSIONAL ACTIVITIES IN CONDITIONS OF UNCERTAINTY</b> <i>T.M. Rezer</i>	2791
<b>A COLLABORATION BETWEEN THE SOUTH AUSTRALIAN GOVERNMENT AND ABORIGINAL NATIONS TO EMBED ABORIGINAL KNOWLEDGES AND WAYS OF KNOWING INTO THE EDUCATION CURRICULUM</b> <i>C. Dean, K. Price</i>	2797
<b>THREE SEMESTERS OF ONLINE ASSESSMENT IN HIGHER EDUCATION FROM STUDENTS' VIEWPOINT</b> <i>M. Plavšić, M. Diković, R. Matković</i>	2803
<b>STUDENTS' OPINIONS OF PROLONGED ONLINE TEACHING AT UNIVERSITY DURING COVID-19</b> <i>M. Plavšić, M. Diković, R. Matković</i>	2812
<b>UPSKILLING MASTER STUDENTS: ADDING DATA MANAGEMENT COMPETENCE FOR ALL DOMAINS</b> <i>T. Miksa, A. Rauber, B. Sánchez, B. Saurugger</i>	2822
<b>THE DEVELOPMENT OF PERSONAL AUTONOMY AND THE IMPACT OF PSYCHOLINGUISTIC CODE "MY CHILD", "MY STUDENT" ON MENTAL ATTITUDES AND BEHAVIORAL PATTERNS OF FORMAL AND INFORMAL EDUCATORS</b> <i>H. Grigorova</i>	2823
<b>INTRODUCTION TO OPEN SOURCES EDUCATION FRAMEWORK - NEW OPEN ACCESS OPPORTUNITIES</b> <i>R. Yotova</i>	2830

<b>DYNAMIC PRE-MODERATION: COLLABORATION AS AN INTEGRAL PART OF THE ASSESSMENT DESIGN PROCESS</b>	2835
<i>D. Wagner, A. Whitham</i>	
<b>MOBILE DEVICE AS A TOOL FOR DEVELOPING COMMUNICATION SKILLS</b>	2844
<i>D. Tran, K. Kostolányová</i>	
<b>SCHOOL LEADERSHIP AND DIGITAL TRANSFORMATION - THE ROLE OF THE SCHOOL LEADER</b>	2850
<i>C.E. Toente</i>	
<b>BIG INTEGER DATA TYPES - USAGE AND PERFORMANCE COMPARISON</b>	2851
<i>M. Mikac, R. Logožar, M. Horvatić, E. Dumić</i>	
<b>REMOTE LEARNING EXPERIENCES WITH INTRODUCTORY WEB PROGRAMMING COURSE</b>	2861
<i>M. Mikac, R. Logožar, M. Horvatić</i>	
<b>EVALUATION OF THERAPEUTIC AND EDUCATIONAL INTERVENTIONS WITH REGARD TO DRAMA THERAPY BY PEOPLE WITH DRUG DEPENDENCE</b>	2872
<i>J. Vávra, M. Valenta, J. Pospíšil</i>	
<b>AUTONOMY OF BEGINNING TEACHERS AS A PROCESS AND STATE IN THE ADAPTATION PERIOD</b>	2878
<i>J. Ševčíková, J. Plischke</i>	
<b>COMPARATIVE ANALYSIS OF PLATFORMS FOR CREATING MASSIVE OPEN ONLINE COURSES</b>	2887
<i>J. Fabus, M. Garbarova, L. Vartiak</i>	
<b>ANALYSIS OF THE MANAGEMENT AND OPERATION OF E-LEARNING IN THE WORLD</b>	2892
<i>M. Garbarova, L. Vartiak</i>	
<b>COMBUSTION ANALYSIS USING EXPERIMENTAL EQUIPMENT AND MATLAB</b>	2898
<i>A.J. Extremera-Jiménez, A. Palomar-Torres, E. Torres-Jiménez, F.J. Gómez-de la Cruz, F. Cruz-Peragón</i>	
<b>LAB SESSION IN THERMAL ENGINEERING: MODELLING PROPERTIES OF PURE SUBSTANCES VIA MATLAB</b>	2903
<i>A. Palomar-Torres, A.J. Extremera-Jiménez, F. Cruz-Peragón, F.J. Gómez-de la Cruz, E. Torres-Jiménez</i>	
<b>WHAT HAS COVID-19 THOUGHT US - CURRENT ISSUES AND DEVELOPMENT IN UNIVERSITY PRE-SERVICE ECEC EDUCATION IN CROATIA</b>	2912
<i>I. Somolanji Tokić, T. Borovac</i>	
<b>MAPPING BETWEEN INDUSTRY 5.0 AND EDUCATION 5.0</b>	2921
<i>B. Andres, F. Sempere-Ripoll, A. Estesó, M.M.E. Alemany</i>	
<b>ACTIVE LEARNING METHODOLOGIES AT THE UNIVERSITY CLASSROOM</b>	2927
<i>B. Andres, F. Sempere-Ripoll, A. Estesó, R. de la Torre</i>	
<b>FROM THE ANALYSIS OF A CASE STUDY TO THE CREATION OF STORYTELLING AS AN ACTIVE LEARNING METHODOLOGY AND ITS COMPARISON IN RELATION TO ACADEMIC PERFORMANCE AND SATISFACTION</b>	2936
<i>B. Olivan-Blázquez, A. Asensio-Martínez, A. Aguilar-Latorre, M. Samper-Pardo, S. León-Herrera, F. Méndez-López de-la-Manzanara</i>	
<b>CONSTRUCTION MANAGERS' LIBRARY FOR MODERN EDUCATION OF BUILDING PERSONNEL</b>	2941
<i>P. Nowak, A. Nicał, J. Rosłon</i>	
<b>LEARNING EXPERIENCES AFTER HIGHER EDUCATION: DOCTORAL STUDIES - WHAT IS HAPPENING?</b>	2950
<i>S. Denchev, G. Petkov, B. Tetevenska, R. Yotova</i>	
<b>GENERIC COMPETENCES CONSIDERED AS RELEVANT BY LABOR MARKET AND THEIR TRAINING AT THE UNIVERSITY IN THE FIELD OF SOCIAL WORK</b>	2960
<i>E. García-Uceda, C. Sánchez-Álvarez, B. Olivan-Blázquez</i>	
<b>REVERSE MENTORING AND COACHING FOR CONSTRUCTION MANAGERS</b>	2966
<i>M. Książek-Nowak, P. Nowak, A. Nicał, J. Rosłon, M. Frydrych</i>	
<b>TEACHING STONE CLADDING SAFE ASSEMBLING OPERATIONS WITH AUGMENTED REALITY</b>	2975
<i>A. Nicał, P. Nowak, J. Rosłon</i>	
<b>INTEGRATION OF THE INTERNET OF THINGS INTO THE CURRICULUM OF THE STUDENTS OF INFORMATICS AT THE UNIVERSITY</b>	2982
<i>J. Pillár</i>	
<b>DESIGN OF A ROBOTIC BOARD FOR TEACHING THE WATER CYCLE</b>	2990
<i>A. De la Hoz Serrano, F. Cañada Cañada, L.V. Melo Niño, A. Álvarez Murillo, J. Cubero Juárez</i>	

<b>SAFE EARTHWORKS PERFORMANCE EDUCATION WITH AUGMENTED REALITY</b>	2994
<i>A. Nicał, P. Nowak, J. Rosłon</i>	
<b>MANAGING THE MOTIVATION OF UNIVERSITY TEACHERS DURING A PANDEMIC FOR ENSURING THEIR WELL-BEING AT THE UNIVERSITY OF ZILINA</b>	3001
<i>M. Strenitzerova, T. Corejova, K. Stalmachova</i>	
<b>DIGITAL TWINS TO SUPPORT TEACHING IN AUTOMATIC CONTROL: THE ROTARY MOTION PLATFORM</b>	3011
<i>J.E. Traver, C. Nuevo-Gallardo, I. Tejado, E. Pérez, B.M. Vinagre</i>	
<b>BIM FOR THE INTEGRATION OF ENVIRONMENTAL PRODUCT DECLARATIONS IN SUSTAINABLE CONSTRUCTION STRATEGIES</b>	3021
<i>J. Rosłon, A. Nicał, P. Nowak</i>	
<b>IS BUSINESS EDUCATION BOOSTING ETHICAL DECISION-MAKING? AN EXPLORATION OF THE OPPORTUNITIES TO ADD ETHICAL ISSUES IN THE HIGHER EDUCATION CURRICULA</b>	3026
<i>J. Valero-Gil, J.A. Aranda-Usón, A. Garrido, J. Gutiérrez, F. Llena, E. Llera-Sastresa, M. Marco-Fondevila, T. Montaner, A. Pérez, A. Sanz-Hernández, S. Scarpellini, I. Suárez-Perales</i>	
<b>CART-PENDULUM PLATFORM IN CONTROL LEARNING IN ENGINEERING: FIRST STEPS TO CREATE ITS DIGITAL TWIN</b>	3027
<i>C. Nuevo-Gallardo, J.E. Traver, I. Tejado, E. Pérez, B.M. Vinagre</i>	
<b>IMMERSIVE DESIGN FOR BUILT HERITAGE VALORIZATION AND REHABILITATION</b>	3037
<i>J. Rosłon, A. Nicał, P. Nowak</i>	
<b>WHAT HAPPENED TO US? THE EFFECTS OF ONLINE LEARNING ON EMBODIED ENCOUNTERS DURING COVID-19</b>	3043
<i>P. Kiviahio-Kallio, A. Dimkar</i>	
<b>PSYCHOMOTOR DEVELOPMENT SCREENING AS A TOOL FOR EARLY IDENTIFICATION OF PREDICTORS OF NEURODEVELOPMENTAL DISORDERS AND ITS IMPORTANCE IN PROMOTING ACADEMIC SUCCESS OF CHILDREN</b>	3053
<i>M. Popelková, E. Jurišová, L. Ptáčniková</i>	
<b>USING FLIPPED CLASSROOM APPROACH IN DIGITAL ENVIRONMENT OF HIGHER EDUCATION</b>	3061
<i>R. Pícek</i>	
<b>PERCEIVED STRESS OF HIGH SCHOOL STUDENTS DURING DISTANCE LEARNING AS A RESULT OF THE COVID-19 PANDEMIC</b>	3072
<i>M. Popelková, E. Jurišová, L. Ptáčniková, R. Rácz</i>	
<b>ADAPTING CLASSES DURING COVID-19 IN THE DEGREE OF PHYSICAL THERAPY TO ENSURE STUDENT AND TEACHER'S WELL-BEING</b>	3079
<i>B. Pérez-Domínguez, A. López-Brull, F. Cuenca-Martínez, L. Suso-Martí, J. Calatayud-Villalba, A. Herranz-Gómez, M. Blanco-Díaz, F. Domínguez-Navarro, J. Casaña-Granel, F. Álvarez Salvago</i>	
<b>ATTITUDES OF HIGH SCHOOL MATHEMATICS TEACHERS ABOUT LIFELONG LEARNING</b>	3080
<i>J. Begić</i>	
<b>CREATING VIRTUAL LEARNING ENVIRONMENTS TO DELIVER EDUCATIONAL PROGRAMS FOR THE TREATMENT OF PERSISTENT PELVIC PAIN</b>	3090
<i>B. Pérez-Domínguez, A. López-Brull, F. Cuenca-Martínez, L. Suso-Martí, J. Calatayud-Villalba, A. Herranz-Gómez, M. Blanco-Díaz, F. Domínguez-Navarro, J. Casaña-Granel, F. Álvarez Salvago</i>	
<b>INTERACTIVE 360° WEBSITE VERSUS ON-SITE VISITS FOR ARCHITECTURE STUDENTS TO ACHIEVE READINESS IN CONSTRUCTION PRACTICE</b>	3091
<i>B. Onecha, C. Cornadó, J. Morros-Cardona, O. Pons-Valladares</i>	
<b>ANALYSIS OF TEACHING TECHNICAL SUBJECTS IN HYBRID EDUCATION AFTER A PANDEMIC</b>	3097
<i>A. Tažiková, Z. Struková, R. Bašková, J. Čabala</i>	
<b>VIRTUAL REALITY AS A TOOL FOR STUDYING MODERN RADIO SYSTEMS OF INFORMATION TRANSMISSION</b>	3101
<i>Y. Daineko, A. Kulakayeva, D. Tsoy, M. Ipalakova, A. Aitmagambetov</i>	
<b>EVALUATING THE IMPACT OF USING AUDIOVISUAL RESOURCES IN MATHEMATICS</b>	3106
<i>M.A. García Muñoz, J.J. Ruiz Ruiz, C. Ordóñez-Cañada</i>	
<b>ISSUES OF ICT SECURITY IN SECONDARY SCHOOLS AND ITS IMPACT ON EDUCATION</b>	3115
<i>L. Pavlík</i>	

<b>PHYSICAL ACTIVITY AND GENDER STEREOTYPES. PERCEPTIONS OF HIGH SCHOOL STUDENTS</b>	3122
<i>M. Lopez-Bartual, M.T. Bartual-Figueras, J. Turmo-Garuz</i>	
<b>ALGEBRAIC REASONING IN PROBABILITY TASKS</b>	3128
<i>M. Burgos, M.M. López-Martín, N. Tizón-Escamilla</i>	
<b>PROGRAM LEVEL ADAPTATIONS DURING PANDEMIC: OPPORTUNITIES AND FACULTY PERCEPTIONS</b>	3138
<i>K. Mallibhat, N. Iyer</i>	
<b>HIGHER EDUCATION DURING LOCKDOWN IN THE FACULTY OF ECONOMICS AND BUSINESS (UB): SOME EXPERIENCES AND REFLECTIONS</b>	3146
<i>J. Turmo-Garuz, M.T. Bartual-Figueras, F.J. Sierra-Martínez</i>	
<b>MATHEMATICAL PROBLEM POSING IN TEACHER TRAINING</b>	3155
<i>M. Burgos, J. Chaverri, N. Tizón-Escamilla</i>	
<b>THE EUROPEAN UNION, BULGARIA AND THE DIGITIZATION OF ARCHIVAL HERITAGE: A BRIEF OVERVIEW OF THE ACHIEVEMENTS SO FAR AND WHAT LIES AHEAD – GUIDELINES AND PROJECTS</b>	3165
<i>H. Atanasov</i>	
<b>ONCE AGAIN ON THE DIGITIZATION OF BULGARIAN STATE ARCHIVES – STRATEGIES, REPORTS, RESULTS, ASSESSMENTS AND PERSPECTIVES</b>	3170
<i>H. Atanasov</i>	
<b>DEBATE AS AN INTERACTIVE METHOD OF EDUCATION IN SECONDARY SCHOOLS IN BULGARIA FOR INCREASING MOTIVATION AND FORMATION OF KEY COMPETENCIES OF STUDENTS IN BIOLOGY AND HEALTH EDUCATION</b>	3175
<i>N. Vakrilov, M. Becheva, A. Kirkova-Bogdanova, B. Tornyova, M. Bozhkova, P. Kasnakova, S. Ivanova</i>	
<b>TEACHING COMPUTATIONAL THINKING AND PROGRAMMING AT THE LOWER SECONDARY SCHOOL: A SYSTEMATIC ANALYSIS</b>	3183
<i>R. Saadjäro, P. Luik, T. Palts</i>	
<b>GAME AS A LEARNING TOOL FOR FRENCH VOCABULARY AND PRONUNCIATION</b>	3193
<i>D. Liakin, N. Liakina, W. Cardoso</i>	
<b>AN EXPLORATION OF TRANSITION BETWEEN COMMUNITIES OF PRACTICE: FROM CLINICAL HEALTH CARE PROFESSIONAL TO ACADEMIC LECTURER</b>	3194
<i>B. Ball</i>	
<b>COVID-19 AND LECTURERS - A STUDY ON THE TRANSFORMATION OF TEACHING AND WORKING IN HIGHER EDUCATION INSTITUTIONS WITH A FOCUS ON THE POST-COVID ERA AND WORK OVERLOAD DURING THE PANDEMIC</b>	3195
<i>T. Rachfall, D. Förster-Trallo, S. Dressler, S. Dressler</i>	
<b>LIFELONG LEARNING AT THE FACULTY OF CIVIL ENGINEERING OF THE TECHNICAL UNIVERSITY IN KOŠICE (SLOVAKIA) UNDER LOCKDOWN</b>	3206
<i>R. Bašková, A. Tažiková, Z. Struková, J. Čabala</i>	
<b>APPLICATION OF BLOOM'S TAXONOMY IN CHEMISTRY LABORATORY CLASSES IN HIGHER EDUCATION</b>	3211
<i>E.L. dos Santos Veiga, E. Cordoncillo, H. Beltrán-Mir</i>	
<b>A SYSTEMATIC REVIEW OF INTRODUCTORY COMPUTER SCIENCE CURRICULUMS</b>	3219
<i>G. Myers, B. Merga, M. Marques Samary</i>	
<b>A PRELIMINARY STUDY ON SPATIAL ABILITY FOR PRIMARY SCHOOL TEACHERS' PROFESSIONAL DEVELOPMENT</b>	3230
<i>E. Bufasi, I. Cakane, I. Dudareva, D. Namsone</i>	
<b>USING MAGIC TO TEACH COMPUTER PROGRAMMING</b>	3240
<i>D. Reed, R. Greenberg</i>	
<b>EMOTIONAL ASPECTS OF LECTURERS' EMERGENCY REMOTE TEACHING DURING THE COVID-19 PANDEMIC</b>	3249
<i>I. Raveh, S. Morad, M. Shacham</i>	
<b>PHYSI-OUT DOORS: ADAPTING THE TEACHING RESOURCES TO THE COVID19 CONTEXT IN PHYSIOTHERAPY COURSES</b>	3250
<i>F. Dominguez-Navarro, L. Suso Martí, F. Cuenca-Martínez, B. Pérez-Domínguez, J. Casaña-Granell, E. Falcó Crespo, M. Blanco-Díaz, A. Herranz-Gómez, A. López Brull, F. Álvarez Salvago</i>	
<b>SIMULATION OF GROUP-BASED SPORTS PHYSIOTHERAPY SESSION IN PHYSIOTHERAPY STUDENTS: A PROPOSAL STUDY</b>	3251
<i>F. Dominguez-Navarro, F. Cuenca-Martínez, B. Pérez-Domínguez, L. Suso Martí, J. Calatayud-Villalba, J. Casaña-Granell, A. Herranz-Gómez, A. López Brull, M. Blanco-Díaz, F. Álvarez Salvago</i>	



<b>THE IMPACT OF RESOLUTELY CHOOSING FOR HYBRID LEARNING AS A DIDACTIC DESIGN PRINCIPLE DEVELOPING A SUPPORT AND PROFESSIONALIZATION MODEL FOR STUDY PROGRAMS, TRAINING TEAMS AND TEACHERS</b>	3252
<i>S. Theuwen, B. Boelen, Y. Coninckx, K. Billiau, E. Cams, T. Vets</i>	
<b>HIGHER EDUCATION AS A VALUE AND ITS IMPACT ON THE WELL-BEING OF SOCIETY</b>	3260
<i>I. Mietule, I. Maksymova, K. Holikova, I. Kotane, L. Viskere</i>	
<b>THE INFLUENCE OF PHYSICAL ACTIVITY COMPLEX ON PSYCHOPHYSIOLOGICAL PARAMETERS OF STUDENTS ASSESSED BY USING VIENNA TESTS</b>	3268
<i>J. Porozovs, V. Veliks, A. Kļaviņa, A. Zūša</i>	
<b>IMPLEMENTATION OF THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS IN THE PROJECT FRAMEWORK FOR RETHINKING ENGINEERING EDUCATION IN IRELAND</b>	3276
<i>K. O’Sullivan, I. Morris, N. Fitzgerald, J. Walsh, F. Boyle, E. O’Connell, G. Corkery</i>	
<b>DEVELOPING YOUNG CHILDREN’S COGNITIVE ARGUMENTATION IN COLLABORATION WITH TEACHERS: THE ROLE OF VERBAL AND NON-VERBAL ARGUMENTATIVE COMPONENTS IN CLASSROOM ACTIVITIES</b>	3283
<i>J. Convertini, F. Arcidiacono, C. Miserez-Caperos</i>	
<b>CONTRIBUTIONS OF CLIMATE CHANGE RESEARCH TO THE IMPLEMENTATION OF THE 2030 AGENDA</b>	3289
<i>R. Ramos, M.J. Rodrigues, I. Rodrigues</i>	
<b>PROBLEMS FACED BY ENGLISH SECOND LANGUAGE LEARNERS IN SOUTH AFRICA: TOWARDS A DIGITAL LANGUAGE LEARNING MODEL</b>	3296
<i>R. Moyo, S. Ngidi</i>	
<b>ENHANCING AUTHENTIC LEARNING THROUGH STUDENT-LED KNOWLEDGE EXCHANGE</b>	3302
<i>D. Cotton, S. Bloxham, S. Cooper, J. Downey, M. Fornasiero, J. Allison</i>	
<b>COLLABORATION AND LEARNING PROCESSES: DESIGN SPRINT FRAMEWORK WITHIN PRODUCT DISCOVERY</b>	3303
<i>L. Cupal, D. Skokanová, P. Fanta</i>	
<b>CROSSING BORDERS TO CONNECT ROUTES: RESEARCHING WITH EDUCATIONAL COMMUNITIES TO PROMOTE EQUITY AND FIGHT RACISM TOWARDS IMMIGRANTS IN A POST-PANDEMIC WORLD</b>	3309
<i>A. Creus, A. Ornellas</i>	
<b>IS THERE ANYBODY OUT THERE? OLD AND NEW CHALLENGES OF FORMATIVE FEEDBACK IN E-LEARNING</b>	3310
<i>A. Creus</i>	
<b>FIDELITY OF A 360° IMMERSIVE VIRTUAL REALITY SIMULATION ACTIVITY IN PHYSICAL THERAPY STUDENTS: A PILOT STUDY</b>	3311
<i>A. Bermejo-Franco, L. Martínez-Caro, M. Medina-Sampedro, L. Rubio-Martínez, R. Ucerro-Lozano, M.I. Gaviña-Barroso</i>	
<b>ENHANCING PROBLEM-SOLVING COMPETENCE BY ACQUIRING MOTIVATION THROUGH AUTOMATIC TUTORING</b>	3317
<i>L.H. González Guerra, A.J. Leal Flores</i>	
<b>ATTEMPTS TO IMPROVE TEACHING-RESEARCH LINKS THROUGH EMERGENCY REMOTE TEACHING IN HIGHER EDUCATION: A CASE STUDY FROM UNIVERSITY</b>	3324
<i>A. Uaciquete, M. Valcke</i>	
<b>THE PERCEPTION OF THE SDGS IN UNIVERSITY STUDENTS: OVERVIEW AND SURVEY DESIGN</b>	3325
<i>R. Oltra-Badenes, V. Guerola-Navarro, H. Gil-Gomez, J.A. Gil-Gomez, D. Botella-Carrubi</i>	
<b>EMPIRICAL TEST ON THE KNOWLEDGE THAT STUDENTS OF A FIRST-YEAR UNIVERSITY COURSE HAVE ABOUT THE SUSTAINABLE DEVELOPMENT GOALS (SDG)</b>	3330
<i>V. Guerola-Navarro, R. Oltra-Badenes, H. Gil-Gomez, D. Botella-Carrubi, J.A. Gil-Gomez</i>	
<b>PEDAGOGICAL TRAINING OF TEACHERS IN PORTUGUESE PUBLIC HIGHER EDUCATION INSTITUTIONS</b>	3338
<i>T. Ferreira, J.P. Cravino</i>	
<b>REVOLUTION OUR BODY. EXPLORING ARCHITECTURE STUDENT’S INTERCONNECTIVITY DURING CONFINEMENT</b>	3347
<i>P. Lourenco, F. Bastos, T. Heitor</i>	

<b>EVALUATION OF THE USE OF COMPUTER TOOLS THROUGH VIDEOS: A NEW TEACHING PROPOSAL IN LIGHT OF THE COVID UNCERTAINTY IN THE TRANSLATION AND INTERPRETING DEGREE</b>	3356
<i>J. Gutiérrez-Artacho</i>	
<b>DEPLOYMENT OF CREATIVE DIGITAL TECHNOLOGIES TO ENHANCE LEARNING AND TEACHING IN ONE OF THE SOUTH AFRICAN UNIVERSITIES</b>	3362
<i>L. Baleni, N. Vokwana</i>	
<b>HEALTHCARE CURRICULUM PRIORITIES TO ENHANCE DIGITAL SKILLS DURING THE COVID-19 PANDEMIC</b>	3363
<i>I. Marin, D. Popovici</i>	
<b>TEACHERS-STUDENTS-PARENTS DIGITAL PORTAL NEED ANALYSIS DESIGNED FOR ABROAD STUDIES</b>	3373
<i>I. Marin, D. Popovici</i>	
<b>AN APPROACH TO MONITORING GENDER EQUALITY PLANS IMPLEMENTATION</b>	3383
<i>R. Doneva, S. Gaftandzhieva, K. Boykova</i>	
<b>TOWARDS MICRO-CREDENTIALING IN EUROPEAN HIGHER EDUCATION</b>	3392
<i>S. Gaftandzhieva, R. Doneva, M. Stoeva</i>	
<b>A DIGITAL STORYTELLING MOOC FOR FOREIGN LANGUAGE LEARNING WITH A FOCUS ON L2 SPEAKING AND WRITING</b>	3402
<i>S. Maravelaki, P. Panagiotidis</i>	
<b>QUESTION GENERATION FOR TEXTBOOK FLASHCARDS</b>	3412
<i>S. Upadhyay, E. Ginsberg, L. Dugan, E. Miltsakaki, H. Gonzalez, D. Choi, C. Yuan, C. Callison-Burch</i>	
<b>BLOCKCHAIN IN EDUCATION: THE CASE OF LANGUAGE LEARNING</b>	3413
<i>P. Panagiotidis</i>	
<b>USING WEB 2.0 AND SOCIAL NETWORKING IN EDUCATION: THEORETICAL INSIGHTS</b>	3414
<i>T. Limba, L. Lelešienė, S. Novogreckas</i>	
<b>MULTIPLE INTELLIGENCES AND ENTREPRENEURIAL SKILLS AMONG SUCCESSFUL HIGH-TECH ENTREPRENEURS</b>	3422
<i>D. Kaspi-Tsahor, R. Yavich, N. Davidovich</i>	
<b>EFFECT OF PROBLEM SOLVING TEACHING STRATEGY ON BIOLOGY STUDENTS' ACQUISITION OF SCIENCE PROCESS SKILLS AND CRITICAL THINKING IN SECONDARY SCHOOLS IN TARABA STATE, NIGERIA</b>	3426
<i>C. Audu</i>	
<b>PROFESSIONAL DEVELOPMENT USING TRAUMA-INFORMED PRACTICES IN THE CLASSROOM</b>	3433
<i>A. Zickafoose, G. Wingenbach, S. Haddad, J. Freeny, J. Engels, C. Hoeft</i>	
<b>FROM PARAMETRIC TO NON-PARAMETRIC STATISTICS IN EDUCATION AND AGRICULTURAL EDUCATION RESEARCH</b>	3434
<i>J. Silva-Lugo, L. Warner, S. Galindo</i>	
<b>THE IMPORTANCE OF EMOTIONS IN THE TEXT RECEPTION IN LITERATURE CLASSES IN ELEMENTARY SCHOOLS</b>	3435
<i>P. Bubeničková</i>	
<b>PECULIARITIES OF MATHEMATICAL REASONING: THE CASE OF 4TH GRADE STUDENTS OF PRIMARY SCHOOL</b>	3440
<i>N. Cibulskaitė, V. Grabauskienė, O. Mockaitytė - Rastėnienė</i>	
<b>GROUPWORK ASSESSMENT AS A TEACHING STRATEGY IN UNIVERSITY CONTEXTS</b>	3447
<i>O. Ortiz Aldeán, J. Meza, K. Mendoza, N. Caizaluisa</i>	
<b>COMPUTATIONAL THINKING OLYMPIAD AS AN EXAMPLE OF SERVICE-LEARNING</b>	3457
<i>R. Herrero-Álvarez, C. León, G. Miranda, C. Rodríguez-León, E. Segredo, L. García, Y. Díaz</i>	
<b>COMMUNICATIVE COMPETENCE OF MEDIATION ASSESSMENT LANGUAGE LEARNING THROUGH THE USE OF CHATBOTS</b>	3463
<i>T. Magal-Royo, J. Garcia Laborda</i>	
<b>VALIDATION OF AN INSTRUMENT TO RELATE THE LEARNING EXPERIENCE AND THE SATISFACTION OF THE TRAINING RECEIVED FROM THE MASTER'S GRADUATE</b>	3470
<i>G. Zambrano</i>	

<b>THE LEARNING EXPERIENCE AND THE SATISFACTION OF THE TRAINING RECEIVED BY MASTER'S GRADUATES AT A PRIVATE UNIVERSITY IN METROPOLITAN LIMA</b> <i>G. Zambrano</i>	3477
<b>MOBILE LEARNING RESEARCH AT RCAAP: A LITERATURE REVIEW BASED ON THE APPLICATION OF THE MAECC® META-MODEL</b> <i>M. Ferreira Marques, T.M. Loureiro Cardoso</i>	3483
<b>EDUCATION OF NURSES IN THE REPUBLIC OF CROATIA IN THE FIELD OF COMPUTER AND INFORMATION LITERACY</b> <i>B. Marković</i>	3490
<b>THE TRAINING AND EDUCATION OF CIVIL ENGINEERING STUDENTS AT NEW ZEALAND'S LARGEST TECHNICAL INSTITUTE</b> <i>L. Tuleasca, W. Loo</i>	3503
<b>ADAPTING DIGITAL MATERIALS FOR REMOTE FLIPPED CLASSROOM TEACHING</b> <i>R. Fernández-Flores, B. Hernández-Morales, J.C. Espíndola-Núñez, I.R. Ramírez-Martínez</i>	3514
<b>A REMOTE COLLABORATIVE WORK EXPERIENCE: PRODUCTION AND PUBLICATION OF EDUCATIONAL MATERIALS ON THE WOLFRAM DEMONSTRATIONS SITE</b> <i>R. Fernández-Flores, T. Garza-Hernández, B. Hernández-Morales, T. Mata-Aguayo, I.R. Ramírez-Martínez, J. Ramírez-Urbano</i>	3520
<b>EMOTIONAL INTELLIGENCE IN TEACHERS</b> <i>S. Dobesova Cakirpaloglu, B. Kvapilová, S. Lemrová, I. Balaban Cakirpaloglu</i>	3525
<b>A TRIAL OF ACTIVE LEARNING FOR BUSINESS MANAGEMENT EDUCATION IN A HYBRID LEARNING ENVIRONMENT</b> <i>S. Baba, T. Uetake, A. Aoki, T. Majima</i>	3532
<b>THE RELATIONSHIP BETWEEN OCCUPATIONAL STRESS AND BURNOUT IN PRIMARY SCHOOL TEACHERS</b> <i>L. Křeměnková, S. Dobesova Cakirpaloglu, I. Plevová, M. Pugnerová, L. Hongyang</i>	3539
<b>ONLINE LEARNING READINESS AND ATTITUDES TOWARDS DISTANCE EDUCATION</b> <i>N. Dincer, A. Şimşek</i>	3545
<b>LIBERATING RURAL WOMEN OF SOUTH AFRICA THROUGH SKILLS TRAINING FOR POVERTY ALLEVIATION</b> <i>S. Tawiah, S.A. Tachie</i>	3556
<b>A REFLECTIVE APPROACH IN INITIAL TEACHER TRAINING</b> <i>I. Červenková, N. Porubová, I. Fialová</i>	3567
<b>MONITORING AND TRACING OF MOVEMENT AND CONTACT OF PERSONS IN MEDICAL FACILITIES</b> <i>K. Mäkkä, K. Kampová, L. Mariš</i>	3574
<b>EVALUATION OF THE ACADEMIC ADVISING SYSTEM AND SUPPORT IN HONG KONG</b> <i>V. Lee, J. Lee, A. Ho</i>	3579
<b>CONTEXTS AND DYNAMICS OF INNOVATION FOR LEARNING</b> <i>A. Magalhães, J. Matias Alves, A. Andrade</i>	3580
<b>ANALYSIS OF STUDENTS' OPINIONS ON BARRIERS LIMITING THEIR UNIVERSITY STUDIES</b> <i>J. Komora, N. Kozárová</i>	3590
<b>OCCUPATIONAL THERAPY IN CHILDREN WITH AUTISM SPECTRUM DISORDER</b> <i>H. Kynštová, P. Pecharová</i>	3597
<b>IMPLEMENTATION OF STEM APPROACH AND ITS VARIETIES IN BULGARIA - HISTORICAL OVERVIEW AND CURRENT SITUATION</b> <i>E. Ivanova</i>	3603
<b>TOWARDS A MULTICULTURAL AND GLOBAL EDUCATION: STUDENTS CREATING EDUCATIONAL BIOREFINERY VIDEOS WITH INTERNATIONAL COOPERATION</b> <i>J. Remón, G.A. Hurst, J. Arauzo</i>	3610
<b>PRACTICING CONFLICT RESOLUTION AND NEGOTIATION THROUGH GAME-BASED LEARNING AMONGST PSYCHOLOGY UNIVERSITY STUDENTS</b> <i>P. Martín-Hernández, M. Gil-Lacruz, A.C. Tesán Tesán, J.L. Azkue Beteta, A.I. Gil-Lacruz</i>	3615
<b>STUDENT'S APPROACH TO LEARNING PER STUDENT BASIS IN TWO SUBJECTS OF BIOTECHNOLOGY DEGREE</b> <i>J. Blanca, J. Cañizares, M. Leiva-Brondo</i>	3621

<b>ADAPTING THE METHOD OF LOCI IN VIRTUAL REALITY AS A TEACHING TOOL IN GENERAL EDUCATION</b>	3627
<i>A. Mainka, E. Ossovski, M. Brinkmeier, A. Hütwel, T. Kirmess, D. Kalbreyer</i>	
<b>EMERGING DISTANCE LEARNING PROBLEMS AND STRUCTURED SOLUTIONS IN TIMES OF CRISIS</b>	3636
<i>V. Keseev</i>	
<b>A SAFE LEARNING ENVIRONMENT FOR LIFE-SAVING SKILLS: HOW TO TRAIN FUTURE NURSES IN SUICIDE PREVENTION BY MEANS OF A VR-TOOL</b>	3643
<i>C. Baten, A. Wanzeele</i>	
<b>PROMOTING INFORMAL LEARNING IN ROMANIA: EVALUATING THE SUCCESS OF "OLIMPIADELE KAUFILAD" PROJECT IN A ROMANIAN HIGH SCHOOL</b>	3644
<i>N.M. Erchedi</i>	
<b>INVESTIGATING THE MISTAKES OF STUDENTS WITH DYSLEXIA DURING SOLVING MATHEMATIC PROBLEMS</b>	3650
<i>V. Secha, F. Vlachos, M. Chalmpe</i>	
<b>FROM TEACHER-CENTERED INSTRUCTION TO STUDENT-CENTERED LEARNING: THE CASE OF A 1ST YEAR DIGITAL SYSTEMS COURSE</b>	3651
<i>M. Gericota</i>	
<b>KNOWLEDGE FOR RESILIENT SOCIETY (K-FORCE PROJECT)</b>	3661
<i>K. Mäkkä, K. Kampová, L. Mariš</i>	
<b>PERSONALITY TRAITS OF WORKPLACE BULLYING VICTIMS</b>	3666
<i>S. Dobesova Cakirpaloglu, B. Koapilová, M. Pugnerová, I. Plevová, L. Křeménková, Š. Vévodová</i>	
<b>IMPROVEMENT OF ACTIVE LEARNING PROCESSES AND IDENTIFICATION OF NEW STRATEGIES FOR THE BETTER DEVELOPMENT OF STUDENT SKILLS THROUGH COOPERATION BETWEEN INVOLVED AGENTS WITHIN THE ETHAZI TRAINING MODEL</b>	3673
<i>N. Lopez-Salas, A. Sarobe-Egiguren, A. Alijostes, I. Gorosmendí</i>	
<b>HOW UNIVERSITY COURSE BECOMES SELF-DRIVEN: MOOC AS AN EXAMPLE</b>	3678
<i>H. Mokayed, S. Al-Azzawi, R. Saini, M. Liwicki</i>	
<b>HOW DO TEACHERS NOTICE STUDENT'S MATHEMATICAL UNDERSTANDING ABOUT INTERPRETING OF SLOPE AND WRITING LINEAR EQUATION OF GRAPH?</b>	3686
<i>Z. Özel, R. Tekin-Sitrava, M. İşiksal-Bostan, S. Yemen-Karpuzcu</i>	
<b>REDESIGNING THE PROCESS OF LEARNING IN A COLLABORATIVE VIRTUAL CLASSROOM</b>	3691
<i>D. Skokanova, P. Fanta, L. Cupal</i>	
<b>COGNITIVE-PROFESSIONAL DEVELOPMENT STRATEGIES AS THE BASIS OF FORMATION OF SUCCESS TRAJECTORY OF SUBJECTS OF EDUCATIONAL PROCESS</b>	3695
<i>E. Luzik, N. Ladohubets, N. Komisarenko, T. Mikheyeva</i>	
<b>BLENDED LEARNING ON STUDENTS WITH SPECIAL EDUCATIONAL NEEDS IN HIGHER EDUCATION DURING COVID-19 PANDEMICS</b>	3706
<i>V. Lee, G. Chao</i>	
<b>THE USE OF A MATRIX DESIGNED TO ENHANCE STUDENTS' UNDERSTANDING OF MOLECULAR POLARITY</b>	3707
<i>H. Etxeberria, F.J. Juanes, M. Zubitur, M. Sánchez</i>	
<b>A SCOPING REVIEW OF INTERCULTURAL COMPETENCE IN PRESERVICE TEACHER EDUCATION</b>	3712
<i>M.H. Su, M. Valcke, P.I. Chou</i>	
<b>THE HOUSE OF LOST HILL: FOSTERING MINDFULNESS AND INNOVATION BEHAVIOUR THROUGH A GAME BASED LEARNING EXPERIENCE</b>	3719
<i>P. Martín-Hernández, A.C. Tesán Tesán, J.L. Azkue Beteta, A.I. Gil-Lacruz, M. Gil-Lacruz</i>	
<b>THE USE OF INTERACTIVE COMMANDS IN UNIVERSITY TEACHING: ANALYSIS FROM THE STUDENT'S PERSPECTIVE</b>	3725
<i>A. Marín García, I. Gil Saura, M.E. Ruiz Molina, R. Gil Saura, M. Bordian</i>	
<b>PROFESSIONAL DEVELOPMENT FOR PRIMARY TEACHERS - FOSTERING CURIOSITY FOR LEARNING SCIENCE THROUGH INSPIRATIONAL SESSIONS!</b>	3726
<i>A. Mallaburn, L. Seton, V. Brennan</i>	
<b>GAMIFICATION AND TRADITIONAL TEACHING IN UNIVERSITY CLASSROOMS: IS IT POSSIBLE?</b>	3727
<i>A. Marín García, I. Gil Saura, M.E. Ruiz Molina, M. Bordian, R. Gil Saura</i>	

<b>“ALIMENTAL, QUERIDO WATSON”: SOLVING MYSTERIOUS CASES WHILE LEARNING NUTRITION – DEVELOPMENT AND RESULTS OF A DIGITAL EDUCATIONAL ESCAPE ROOM</b>	3728
<i>G. Olaso-Gonzalez, C. Romá-Mateo, M. Piqueras-Franco</i>	
<b>EVALUATION OF THE CHANGE IN THE ATTITUDES OF ECONOMICS STUDENTS TOWARDS ECONOMETRICS IN A FLIPPED CLASSROOM CONTEXT</b>	3737
<i>M. Cladera</i>	
<b>APPLICATION OF THE PROJECT MANAGEMENT METHODOLOGY AS A TOOL FOR EDUCATIONAL INNOVATION</b>	3738
<i>A.M. Lara-Palma, B. Brotóns-Cano</i>	
<b>COMIC-BOOK CLUB OF GRAPHIC MEDICINE: USING COMICS TO BOOST EMPATHY IN THE TEACHING OF MEDICAL SCIENCES</b>	3744
<i>C. Romá-Mateo, G. Olaso-Gonzalez</i>	
<b>THE EFFECT ON FINAL COURSE GRADES WHEN ANALYZING DIFFERENT LEVELS OF ENGAGEMENT IN PREPARATION FOR SEMINARS</b>	3750
<i>P. Perlman-Dee, C. Godfrey</i>	
<b>STUDENT LEVELLING WEB-BASED SYSTEM</b>	3751
<i>S. Ghareeb, A.J. Hussain, D. Al-Jumeily, R. Al-Jumeily</i>	
<b>TRAINING TEACHING ASSISTANTS IN SCIENCE AND TECHNOLOGY: CAN WE INCLUDE COURSE-SPECIFIC CONTENT INTO A TRAINING PROGRAMME?</b>	3761
<i>S. Loix, I. Peeters</i>	
<b>EVALUATING A MIDTERM EXAM AS A PREDICTOR FOR PASSING THE MATHEMATICS COURSE</b>	3765
<i>N. Kaspríkova</i>	
<b>ADVANCING TOGETHER IN MANAGERIAL AND INTERNATIONAL MANAGERIAL SKILLS: A PILOT PROJECT BASED ON FLIPPED CLASSROOM, PERSONAL BRANDING AND DIGITAL COMPETENCES</b>	3770
<i>J. Barrera-Martínez, M.D.M. Bornay-Barrachina, G.M. Cuevas-Rodríguez, M.J. Foncubierta-Rodríguez, F. Guerrero-Alba, M. López-Fernández, J.A. Medina-Garrido, M. Ruiz-Martínez</i>	
<b>WAVE ENERGY GENERATION: A STEMBACH EXPERIENCE WITH “IES AS LAGOAS (OURENSE)”</b>	3771
<i>M. DeCastro, X. Costoya, S. Diaz-Vilela, M. Fernández, A. Gil-Pereiras, M. Gómez-Gesteira</i>	
<b>ALTERNATIVE EDUCATIONAL MODELS – THE ROLE OF “LEARNING BY DOING” EDUCATIONAL APPROACH FOR ENHANCING THE UNIVERSITY IMAGE</b>	3780
<i>D. Stoyanova, M. Pavlova, D. Ivanov</i>	
<b>EÓLICE: A WAVE FLUME FOR TEACHING PURPOSES</b>	3784
<i>X. Costoya, I. Martínez-Estévez, B. Arguilé-Pérez, J.M. Domínguez, A.J. Crespo, M. DeCastro, M. Gómez-Gesteira</i>	
<b>EDUCATIONAL ACTIVITIES PROPOSAL TO MOTIVATE STUDENTS TO LEARN THE BASICS OF COMPUTER PROGRAMMING IN SECONDARY EDUCATION</b>	3789
<i>J.R. Pérez Beltrán, R.P. Neco</i>	
<b>THE NEUROCOGNITIVE NATURE OF DEVELOPMENTAL DYSLEXIA: EVIDENCE SUPPORTING THE MULTIPLE-DEFICIT MODELS</b>	3797
<i>M. Chalmpé, F. Vlachos, E. Avramidis, S. Tzivinikou</i>	
<b>DEVELOPING AN EARLY YEARS BASELINE ASSESSMENT DURING A PANDEMIC</b>	3798
<i>C. Jellis</i>	
<b>INTERNATIONAL MOBILITY – CASE OF STUDENT EXCHANGE MANAGEMENT</b>	3803
<i>M. Tomičić Furjan, M. Kurešević, I. Oletić Tušek</i>	
<b>AUDIOVISUAL RESOURCES TO ENHANCE PRACTICAL LEARNING IN THE SUBJECT “GENERAL PSYCHOPATHOLOGY” OF PSYCHOLOGY DEGREE</b>	3810
<i>O. Peris-Baquero, M.V. Navarro-Haro, J. Osma, V. Martínez-Loredo, A. Díaz-García</i>	
<b>CHALLENGES AND OPPORTUNITIES IN INTEGRATING INTERACTIVE CHATBOTS INTO CODE REVIEW EXERCISES: A PILOT CASE STUDY</b>	3816
<i>J.C. Farah, B. Spaenlehauer, K. Bergram, A. Holzer, D. Gillet</i>	
<b>THE UNIVERSITY AS AN UNSAFE ENVIRONMENT FOR IDEAS: THE PROMOTION OF CRITICAL THINKING</b>	3826
<i>V. Martínez-Loredo, A. Díaz-García, M.V. Navarro-Haro, O. Peris-Baquero, J. Osma</i>	
<b>THE APPLICATION OF DIGITAL SKILLS AND MULTIMEDIA TECHNOLOGIES IN EDUCATION AT THE UNIVERSITY OF CONSTANTINE THE PHILOSOPHER IN NITRA DURING THE CORONAVIRUS PANDEMIC</b>	3827
<i>M. Šebo, P. Brečka, I. Tureková</i>	

<b>APPLICATION OF INDIVIDUAL PROFILE TO ELECTRONIC HIGHER ENGINEERING AND SPECIALIZED CONTINUING EDUCATION</b> <i>S. Toncheva-Pencheva, Y. Anastasova</i>	3834
<b>PROBLEM TASKS AS A KEY TO A DEEPER UNDERSTANDING OF SCIENCE SUBJECTS</b> <i>R. Maršálek, K. Trčková</i>	3842
<b>EXAMINING STUDENTS' TEST ANXIETY AND PRE-UNIVERSITY PROGRAMMING EDUCATION IN AN UNDERGRADUATE INTRODUCTORY PROGRAMMING COURSE</b> <i>B. Tomić, T. Stojanović, I. Antović</i>	3848
<b>LEARNING TO CHOOSE – PRESENTING THE RATIONALE FOR WHY EVERY CHILD NEEDS TO BE TAUGHT HOW TO MAKE BETTER CHOICES</b> <i>J. Playfoot</i>	3858
<b>LINEAR DIOPHANTINE EQUATIONS AS A CONTEXT FOR WOLFRAM CLOUD-ENHANCED TEACHING OF MATHEMATICS</b> <i>D. Nocar, J. Vaško, T. Zdráhal</i>	3866
<b>EFFECTIVE LEARNING IN MATHEMATICS</b> <i>P. Carvalho, L. Descalço</i>	3870
<b>IMPORTANCE OF BLENDED LEARNING FOR CONSTRUCTION OCCUPATIONAL SAFETY PREVENTION</b> <i>Z. Struková, A. Tažiková, M. Kozlovská, J. Čabala, R. Bašková</i>	3877
<b>INTEGRATING THE EUROPEAN STRATEGY FOR SUSTAINABLE FINANCE AND THE SUSTAINABLE DEVELOPMENT GOALS IN BUSINESS MANAGEMENT AND FINANCE SUBJECTS</b> <i>E. Escrig-Olmedo, M.A. Fernández-Izquierdo, M.J. Muñoz-Torres, J.M. Rivera-Lirio, I. Ferrero-Ferrero</i>	3884
<b>LESSONS LEARNED FROM WORK-BASED LEARNING AND INTENSIVE COURSES IN HIGHER EDUCATION</b> <i>A. Kutnjak, I. Gregurec, K. Tomičič-Pupek</i>	3890
<b>AN EXPERIMENT WITH SERIOUS GAMES ON MATHEMATICS IN HIGHER EDUCATION</b> <i>L. Descalço, P. Carvalho</i>	3899
<b>IMPROVING THE PROFESSIONAL KNOWLEDGE OF CIVIL ENGINEERING STUDENTS BY USING MIXED REALITY</b> <i>J. Čabala, Z. Struková, A. Tažiková, R. Bašková, M. Kozlovská</i>	3904
<b>TEACHERS' VIEW OF THE TEACHING PROFESSION AND ITS CHANGES IN CONNECTION WITH THE USE OF DIGITAL TECHNOLOGIES IN EDUCATION</b> <i>L. Herout</i>	3910
<b>INFLUENCE OF CONTEXTUAL AND PERSONAL FACTORS ON STUDENT'S APPROACH TO LEARNING AT UNIVERSITY DEGREES</b> <i>E. Sales, S. Menal-Puey, C. Martí, O. Ortíz, R. López-Flores, P. Santolaria, M. Leiva-Brondo</i>	3917
<b>SOCIAL COMPETENCES OF PUPILS WITH SPECIAL EDUCATIONAL NEEDS AND THEIR DEVELOPMENT THROUGH COOPERATIVE TEACHING METHODS</b> <i>I. Ištvan</i>	3926
<b>SOCIAL MEDIA TECHNOLOGIES AND BLENDED LEARNING: PROMOTING INTERACTIVITY AND COLLABORATIVE LEARNING IN EDUCATIONAL EMERGENCIES</b> <i>A. Njuguna</i>	3933
<b>GOAL ORIENTED AND INTERACTIVE ONLINE TEACHING. CASE STUDY ON AN IT APPLIED IN SOCIAL SCIENCES COURSE</b> <i>A.B. Andreica</i>	3942
<b>CONNECTIONS BETWEEN PARTICIPATION IN MINI-COMPANIES AT UPPER SECONDARY SCHOOL AND ENTREPRENEURIAL SKILLS</b> <i>V. Johansen, T. Schanke</i>	3953
<b>ONLINE SECURITY AS PART OF EDUCATIONAL CONTENT AT PRIMARY SCHOOLS IN THE CZECH REPUBLIC</b> <i>L. Herout</i>	3954
<b>THE USE OF COOPERATIVE METHODS TO DEVELOP STUDENTS' CRITICAL THINKING IN TEACHING PROGRAMMES</b> <i>I. Ištvan</i>	3960
<b>DIGITIZATION AND ITS PLACE IN THE TRAINING CURRICULA OF FUTURE ARCHIVAL SPECIALISTS: THE EXPERIENCE OF ULSIT</b> <i>S. Eftimova</i>	3966

<b>CIRCULAR ECONOMY FOR PIGS: AN ACADEMIC RESEARCH PROPOSAL</b>	3970
<i>G. Cervantes, G. Cuevas</i>	
<b>A PROJECT-BASED LEARNING IMPLEMENTATION: AN EXAMPLE OF METHODOLOGY DESIGNED TO IMPROVE PHARMACY UNDERGRADUATE STUDENTS LEARNING</b>	3979
<i>E. Perez Izquierdo, B. Sáez Pizarro, A.M. Fernández Olleros, P. Ros Viñegla</i>	
<b>STEP BY STEP WITH THE SCRATCHJR APP AS A TOOL FOR DEVELOPING DIGITAL COMPETENCES AND COMPUTATIONAL THINKING</b>	3985
<i>K. Kilianova, P. Kockova, K. Kostolanyova</i>	
<b>TRENDS IN THE CHOICE OF TOPICS FOR DIPLOMA THESES IN THE SPECIALTY OF ARCHIVAL AND DOCUMENTARY STUDIES AT ULSIT</b>	3995
<i>S. Eftimova</i>	
<b>"STAY SAFE ONLINE" - EDUCATIONAL MATERIAL FOR THE DEVELOPMENT OF DIGITAL SAFETY COMPETENCE FOR PUPILS AT 1ST GRADE PRIMARY SCHOOL</b>	3999
<i>P. Kockova, K. Kilianova, K. Kostolanyova</i>	
<b>THE EFFECTIVENESS OF DIRECT APPLICATION OF THEORY ON STUDENTS' PROGRESS AND UNDERSTANDING</b>	4005
<i>P. van Duijsen, D. Zuideroliet, M. Dirksen</i>	
<b>IMPLEMENTATION OF THE ODS THROUGH SERVICE LEARNING TECHNIQUES BASED ON PM2 (PROJECT MANAGEMENT METHODOLOGY)</b>	4012
<i>L.I. Hojas Hojas, E.M. García Del Toro</i>	
<b>PERCEPTIONS AND READINESS OF KING SAUD UNIVERSITY STUDENTS TOWARDS ONLINE LEARNING DURING THE COVID-19 PANDEMIC</b>	4018
<i>N. Alhazzani</i>	
<b>RDI - PART OF HIGHER EDUCATION STUDIES</b>	4029
<i>T. Lintilä, S. Sivén</i>	
<b>DEVELOPING THE MODEL OF HYBRID ORGANIZATION FOR COMPANIES OPERATING IN IT SPHERE IN THE CITY OF NEW YORK</b>	4038
<i>A. Skvorcovs, A. Lavrenteva</i>	
<b>STUDENT'S PERSPECTIVE ON THE IMPLEMENTATION OF MASTER FINAL PROJECT AS A CASE STUDY IN LEGAL AND FORENSIC PSYCHOLOGY</b>	4044
<i>J. Sanmarco, V. Marcos, D. Seijo, M. Novo, R. Arce</i>	
<b>THE INTEGRATED PERSONALISED ADAPTIVE LEARNING SYSTEM IN THE EDUCATIONAL PROCESS TRAJECTORY</b>	4049
<i>A. Nurutdinova, E. Sabaeva, E. Dmitrieva</i>	
<b>UNIVERSITY EDUCATION OF NATIONAL SECURITY - A MAJOR FACTOR FOR SUSTAINABILITY IN THE CONTEMPORARY SOCIETY</b>	4058
<i>S. Denchev, I. Peteva, S. Yordanova</i>	
<b>COPYRIGHT LITERACY FORMATION AMONG STUDENTS AT UNIVERSITY INFORMATION ENVIRONMENT: SURVEY RESULTS</b>	4062
<i>E. Zdravkova-Velichkova, T. Trencheva</i>	
<b>COMPARISON BETWEEN THE IMPORTANCE THAT STUDENTS GIVE TO ENVIRONMENTAL AWARENESS FOR THEIR PROFESSIONAL DEVELOPMENT AND THE WORK CARRIED OUT BY THE BILBAO SCHOOL OF ENGINEERING IN THIS FIELD</b>	4071
<i>A. Sarrionandia-Ibarra, E. Madrazo, J.M. Blanco, I. Bidaguren, I. Albaina</i>	
<b>AN INNOVATIVE ONLINE INDIVIDUALIZED TUTORING PROGRAM TO MINIMIZE EDUCATIONAL DISRUPTION AMONG RACIALIZED, INDIGENOUS AND IMMIGRANT STUDENTS DURING COVID-19</b>	4077
<i>W. Cukier</i>	
<b>JUPYTER NOTEBOOKS FOR THE TEACHING OF BUSINESS MANAGEMENT IN STEM DEGREES</b>	4078
<i>A. Suárez-García, M.A. Álvarez-Feijoo, E. Arce, F. Zayas-Gato, M. Novo</i>	
<b>"NEVER HAVE I EVER ..." - UNEXPECTED OUTCOMES OF TEACHING DURING COVID19</b>	4082
<i>M. Menšík</i>	
<b>PROMOTION AND ACTIVE VERIFICATION OF THE RESEARCH PROJECT „INFORMATION PORTAL FOR MOBILE LEARNING AND MOBILE ACCESS TO LIBRARY SERVICES AND RESOURCES“</b>	4092
<i>E. Tsvetkova, I. Peteva, S. Denchev</i>	

<b>INFLUENCE OF THE COVID-19 PANDEMIC ON THE STUDENTS FROM MEDICAL UNIVERSITY OF PLOVDIV</b>	4100
<i>A. Mihaylova, P. Kasnakova, Z. Zheleva, G. Petkova, S. Harizanova, D. Bakova, D. Davcheva, T. Deneva, E. Toseva, R. Stoyanova, A. Tosheva, D. Vicheva</i>	
<b>STUDENT ACTIVATION IN THE EDUCATION PROCESS: THE PESTLE ANALYSIS CREATION</b>	4105
<i>L. Vartiak, G. Jaseckova, E. Capkova</i>	
<b>ENVIRONMENTAL COMPETENCIES AS FUNDAMENTAL 21ST CENTURY SKILLS OF STUDENTS</b>	4111
<i>L. Vartiak, G. Jaseckova</i>	
<b>A VISION OF ESTABLISHING A COMPREHENSIVE SYSTEM OF UNIVERSITY TEACHER EDUCATION AT UNIVERSITY – A SYSTEMATIC SEARCH FOR ANSWERS</b>	4116
<i>J. Trabalíková, L. Hrebeňárová</i>	
<b>WHAT DO WE NEED TO LEARN WHEN WE BECOME ADULTS?</b>	4124
<i>K. Schneider</i>	
<b>DEVELOPMENT OF MATHEMATICAL LITERACY IN THE TASKS OF THE NEW CONCEPT OF INFORMATICS FROM THE PERSPECTIVE OF FUTURE TEACHERS</b>	4125
<i>J. Wossala, R. Dofková, P. Seidlová</i>	
<b>HYBRID CLASSROOM AND LEARNING SPACE DESIGN FOR PEDAGOGICAL INNOVATION</b>	4132
<i>M. Löhrer, J. Lemm</i>	
<b>EXPRESSION IN DRAWING AS AN EVIDENCE OF ROMA PUPIL IDENTIFICATION WITH ENVIRONMENT IN WHICH THEY LIVE</b>	4137
<i>L. Horňák, M. Zbojan</i>	
<b>TURNING PAGES, SCROLLING OR SWIPING: AN EVALUATION OF INTERACTIVE PICTURE BOOK APPLICATIONS FOR ELEMENTARY SCHOOL</b>	4144
<i>M. Schalk, E. Schmidthaler, S. Hinterplattner, B. Sabitzer</i>	
<b>CHANGES IN THE SOCIAL RESPONSIBILITY OF UNIVERSITY STUDENTS INVOLVED IN WIKIPEDIA ARTICLE EDITION</b>	4151
<i>E. Madrázo, A. Sarrionandia-Ibarra, G.A. Esteban, A. Peña, U. Izquierdo</i>	
<b>REMOTE LEARNING ADAPTATION ON THE PRACTICE OF HISTOLOGY AND ANATOMY OF THE SKELETAL AND NERVOUS SYSTEMS IN THE SUBJECT OF HUMAN PHYSIOLOGY FOR STUDENTS OF HUMAN NUTRITION AND DIETETICS</b>	4159
<i>M.C. Morán, M. Riba, M.E. Juan</i>	
<b>AUTISM AND MATHEMATICAL CREATIVITY IN CHILDHOOD FROM THE POINT OF VIEW OF KINDERGARTEN TEACHERS</b>	4167
<i>M. Tzohar-Rozen, A. Kasirer</i>	
<b>A SURVEY ON PRODUCTIVITY OF HIGHER EDUCATION AND TEACHING METHODS DURING THE PANDEMIC IN TURKEY</b>	4168
<i>B. Bulunmaz, R. Bilge, B. Coban, F. B. Uysal</i>	
<b>SOVIET MILITARY HISTORY IN THE CURRICULUM OF THE POST-SOVIET EDUCATIONAL SPACE: NECESSITY, TOPICALITY, RECOMMENDATIONS</b>	4177
<i>M. Burima</i>	
<b>INFLUENCE OF THE COVID-19 PANDEMIC ON THE PHYSICAL ACTIVITY AND TRAINING OF STUDENTS AT MEDICAL UNIVERSITY OF PLOVDIV</b>	4182
<i>P. Kasnakova, A. Mihaylova, Z. Zheleva, S. Harizanova, D. Bakova, D. Davcheva, T. Deneva, R. Stoyanova, E. Toseva, G. Petkova, A. Tosheva, D. Vicheva</i>	
<b>ABOUT THE QUALITY AND SUSTAINABLE EDUCATION IN EUROPEAN COUNTRIES: A COMPARATIVE ECONOMETRIC ANALYSIS</b>	4187
<i>K. Murillo, E. Rocha</i>	
<b>CURRICULUM DEVELOPMENT FOR CLOUD SERVICES: ANSWERING THE NEEDS OF THE JOB MARKET</b>	4197
<i>L. Aunimo, M. Brkljacic, T. Lintilä, A. Camara, L. Mrcic</i>	
<b>BENEFITS OF USING SERIOUS GAMES IN THE ELDERLY: A SYSTEMATIC LITERATURE REVIEW</b>	4203
<i>A. Murciano-Hueso, B.M. Gutiérrez-Pérez, A.V. Martín-García</i>	
<b>PUTTING STUDENTS INTO TEAMS IS NOT ENOUGH TO DEVELOP THEIR TEAMWORKING SKILLS: HOW TO ENABLE, ENCOURAGE, OBSERVE AND ASSESS TEAMWORKING SKILLS</b>	4210
<i>A. Frost</i>	



<b>COMPARATIVE ANALYSIS OF CONCEPTUAL GUIDELINES FOR TRANSITION PRESCHOOL - PRIMARY SCHOOL</b> <i>D. Bethere, L. Pavitola, J. Grava</i>	4211
<b>SCHOOLWORK ENGAGEMENT AND SCHOOL BURNOUT AMONG PRIMARY SCHOOL STUDENTS IN ESTONIA</b> <i>A.M. Näkk, I. Timoštšuk</i>	4222
<b>THE CHALLENGES AND DIRECTION OF PRIMARY AND SECONDARY SCHOOLS' ONLINE EDUCATION IN KOREA UNDER THE COVID-19 SITUATION</b> <i>S. Hong, S.C. Yang</i>	4227
<b>STUDENT'S DIGITAL TRANSFORMATION DURING HIGHER EDUCATION: ENTRANCE AND EXIT DIGITAL PROFILE</b> <i>I. Messias, A. Loureiro</i>	4234
<b>INTEGRATING PROBLEM-BASED LEARNING INTO TEACHING SUSTAINABLE DEVELOPMENT</b> <i>A. Balžekienė, A. Daubarienė</i>	4243
<b>APOLLONIUS' PROBLEM PLC AND PCC IN PROSPECTIVE MATHEMATICS TEACHERS TRAINING USING ICT</b> <i>D. Nocar, J. Vaško, T. Zdráhal</i>	4253
<b>GENERATION OF PERSONALIZED ADVICE FOR LEARNERS FROM LOG FILES</b> <i>L. Capus, Y.I. Nsounwoundi Mefire</i>	4263
<b>HEALTH GERONTECHNOLOGY IN AGEING: A QUANTITATIVE STUDY</b> <i>B.M. Gutiérrez-Pérez, A. Murciano-Hueso, J. Martín-Lucas, S. Serrate-González, P. Torrijos-Fincias, A.V. Martín-García</i>	4270
<b>OPEN SOURCE EXPERIMENTS IN QUANTUM PHOTONICS: AN AFFORDABLE APPROACH</b> <i>S. Ritter, J. Kretzschmar, F. Sojka, T. Kaiser, R. Geiss, T. Vogl, F. Eilenberger</i>	4278
<b>VALIDATION OF A MEASUREMENT INSTRUMENT FOR AN E-LEARNING SYSTEM IN PROJECT MANAGEMENT AND TECHNOLOGY TRANSFER IN THE DIGITAL ERA</b> <i>L. Babineau</i>	4279
<b>HIGHER EDUCATION STUDENTS' PERCEPTION TOWARDS THE PORTUGUESE AND FOREIGN MEDIA SECTOR</b> <i>N.S. Morais, J. Martins, M. Midões</i>	4283
<b>ENHANCING ENGAGEMENT AND INCLUSIVITY THROUGH ACTIVITIES CO-DESIGNED WITH UNDERGRADUATES - A CASE OF INDUCTION WEEK FOR BUSINESS MANAGEMENT</b> <i>L. Cunningham, C. Holtham</i>	4289
<b>MAKING-UP FOR LOST CLINICAL TIME DURING COVID-19 BY MERGING UNDERGRADUATE NURSING FOUNDATIONS AND HEALTH ASSESSMENT CLASSES: 4 SIMINTENSIVES SESSIONS DELIVER A SEMESTER'S CURRICULUM FOR 2 COURSES</b> <i>L. Cimino, M. Hickey</i>	4297
<b>USEFULNESS OF THE PILOT PROJECT FOR THE IMPLEMENTATION OF THE FLIPPED CLASSROOM IN THE OFFICIAL MASTER'S DEGREE IN HUMAN NUTRITION OF THE UNIVERSITY OF GRANADA DURING THE COVID 19 PANDEMIC</b> <i>M.T. Nestares, M. López-Frías, M. Flor-Aleman, C. Sánchez, V.A. Aparicio, J.L. Quiles</i>	4301
<b>TRANSITION OF EDUCATIONAL PARADIGMS</b> <i>M. Klekowska, C. Martinovska Bande, A. Kotevski</i>	4305
<b>EPISTEMOLOGY AND EDUCATION IN THE DIGITAL AGE – A POSTPHENOMENOLOGICAL VIEW</b> <i>M. Marom, G. Wellner, I. Levin</i>	4315
<b>SOCIO-SPORTIVE EXPERIENCE AND INFORMAL EDUCATION OF CHILDREN AND YOUNG PEOPLE: CONTRIBUTIONS TO THE CITIZENSHIP OF NEW GENERATIONS</b> <i>V. Ramalho, H. Belchior-Rocha</i>	4316
<b>REIMAGINING LEARNING IN THE 21ST CENTURY-A CASE STUDY ON HYFLEX BASED APPROACH OF MIDDLE EAST COLLEGE, OMAN</b> <i>K. Gopakumar Rajalekshmi, D. Bino, A. Srivastav</i>	4322
<b>EXPLORING THE 'THEATERS' OF REMOTE DESIGN TEACHING</b> <i>N. Ceccarelli, F. Arras</i>	4331
<b>INTEGRATING VIDEOGAME DEVELOPMENT AND SOFTWARE ENGINEERING IN A COLLEGE SENIOR ELECTIVE COURSE</b> <i>J. Sung, K. Sung</i>	4338

<b>APPROACHING NEW TECHNOLOGIES TO AGRONOMICAL SCIENCES DEGREE STUDENTS</b>	4346
<i>M.F. López-Climent, S.I. Zandalinas, V. Vives-Peris, J.L. Rambla Nebot, R.M. Pérez-Clemente, A. Gómez-Cadenas, C. de Ollas, V. Arbona, M. González-Guzmán</i>	
<b>USING AN UNDERGRADUATE DECISION SCIENCE COURSE TO PREPARE BUSINESS STUDENTS FOR THE LATER STUDY OF DATA SCIENCE AND ANALYTICS</b>	4350
<i>M. Conyette</i>	
<b>STIMULATING EDUCATIONAL INNOVATION IN STEAM HIGHER EDUCATION: AN INTERDISCIPLINARY COLLABORATIVE TRUE STORY</b>	4356
<i>I. Peeters</i>	
<b>PEDAGOGICAL COMPETENCY INNOVATION FOR ELEMENTARY SCHOOL TEACHERS: NEW MODELS FOR POST COVID-19</b>	4362
<i>V. Yuli Eriyana, A. Ghufron, H. Haryanto, F.N. Mahmudah</i>	
<b>THE USE OF SOCIAL NETWORKS AS AN ACTIVE LEARNING STRATEGY IN PHYSIOTHERAPY STUDENTS</b>	4363
<i>L. Suso Martí, F. Cuenca-Martínez, B. Pérez-Domínguez, F. Domínguez-Navarro, A. López Brull, M. Blanco-Díaz, J. Calatayud-Villalba, A. Herranz-Gómez, J. Casaña-Granell</i>	
<b>POSSIBILITIES OF USING QR CODE CUBES IN PRIMARY MATHEMATICS TEACHING</b>	4364
<i>R. Dofková, A. Najdek, J. Wossala</i>	
<b>IMPROVING THE SCIENTIFIC SKILLS OF PHYSICAL THERAPY STUDENTS THROUGH COLLABORATIVE LEARNING</b>	4370
<i>L. Suso Martí, F. Cuenca-Martínez, F. Domínguez-Navarro, B. Pérez-Domínguez, A. López Brull, J. Calatayud-Villalba, A. Herranz-Gómez, M. Blanco-Díaz, J. Casaña-Granell</i>	
<b>THE DISSEMINATION OF CULTURAL HERITAGE THROUGH THE CREATION OF AN INTERACTIVE WEB REPOSITORY</b>	4371
<i>C. Ortiz, R. Ramirez Coronel, V. Noriega</i>	
<b>EDUCATIONAL STRATEGIES FOR BEHAVIOURAL CHANGE FOR NEUROLOGICAL PATIENTS WITH MOTOR IMPAIRMENT</b>	4378
<i>F. Cuenca-Martínez, L. Suso Martí, F. Domínguez-Navarro, A. Herranz-Gómez, B. Pérez-Domínguez, A. López Brull, J. Calatayud-Villalba, M. Blanco-Díaz, J. Casaña-Granell</i>	
<b>WHAT ARE SCIENCE PARKS? A REVIEW OF THE STATE OF ART, ADEQUATE TERMINOLOGY AND TYPOLOGIES</b>	4379
<i>O. Frances, M. Palomar</i>	
<b>EFFECTIVENESS OF PAIN NEUROSCIENCE EDUCATION (PNE) IN PATIENTS WITH PERSISTENT PAIN DUE TO FIBROMYALGIA</b>	4388
<i>F. Cuenca-Martínez, L. Suso Martí, B. Pérez-Domínguez, F. Domínguez-Navarro, A. López Brull, J. Calatayud-Villalba, M. Blanco-Díaz, A. Herranz-Gómez, J. Casaña-Granell</i>	
<b>M-LEARNING AT DIFFERENT STAGES OF THE TEACHING PROCESS</b>	4389
<i>L. Klubal, P. Bohackova, K. Kostolanyova</i>	
<b>FROM FACE-TO-FACE TO REMOTE TEACHING OF 4IR CONCEPTS</b>	4394
<i>M. Turpin, S. Kruger</i>	
<b>MARKETING FOR HIGHER EDUCATION INSTITUTIONS: UNLEASHING THE POWER OF PART-TIME MARKETERS</b>	4399
<i>S. Marques, A. Estima</i>	
<b>MATHEMATICS TEACHING AND LEARNING PROCESS: THE EFFECT OF PROBLEM-BASED LEARNING</b>	4405
<i>P.B. Teixeira, M.J. Rodrigues, A. Gonçalves</i>	
<b>APP ROTEIRO ENTRE-MARÉS: A PEDAGOGICAL TOOL FOR OCEAN LITERACY IN AND OUT OF THE CLASSROOM</b>	4411
<i>D. Pacheco, C. Faria</i>	
<b>PERCEPTIONS OF VOCATIONAL TRAINING INSTITUTE STUDENTS TOWARDS E-LEARNING PLATFORMS DURING THE PANDEMIC</b>	4412
<i>P. Anagnostou, N. Nikolova</i>	
<b>ACTIVE AND HEALTHY AGEING MONITORING SYSTEM (AHAMS): AN INTEGRATED HEALTHCARE SYSTEM FOR SENIORS</b>	4419
<i>A. Buffagni, M. Frausin</i>	
<b>LOGIC CIRCUITS: FROM PAPER TO WEB</b>	4429
<i>S. Kristofik, A. Langova, S. Rericha</i>	
<b>TEACHERS' TRAINING ON SOCIAL AND EMOTIONAL LEARNING (SEL): FOOD FOR THOUGHT STARTING FROM LITERATURE AT THE TIME OF COVID-19</b>	4437
<i>L. Mortari, R. Bombieri</i>	

<b>THE IMPACT OF PEER-TEACHING AT THE UNIVERSITY OF DERBY'S COVID-19 ASYMPTOMATIC TEST CENTRE</b> <i>L. Fretwell, N.T. Ekumah</i>	4445
<b>COLLABORATION BETWEEN UNIVERSITY AND DUAL TRAINING CENTER: THE CASE OF PAPER MANUFACTURING AND RECYCLING PROCESSES</b> <i>F. Serra-Parareda, H. Oliver, Q. Tarrés, M. Delgado-Aguilar, M. Alcalà</i>	4451
<b>AN EXPERIENCE WITH DESMOS IN THE STUDY OF THE QUADRATIC FUNCTION</b> <i>L. Dias, M.P. Oliveira, N.R. O. Bastos</i>	4456
<b>FUNCTIONAL, SOCIAL AND ENVIRONMENTAL PERFORMANCE OF PRIMARY SCHOOL OUTDOOR SPACES</b> <i>S. Baptista Rosa, P. Lourenco, A. Alegre</i>	4465
<b>HOW TO APPLY EXPERIENTIAL LEARNING IN DEVELOPING STUDENTS' LEADERSHIP COMPETENCIES? CASE OF THE MILITARY ACADEMY OF LITHUANIA</b> <i>V. Giedraityte, R. Kazlauskaitė Markeliene</i>	4475
<b>UA INFORMA: EDUCATION FOR SUSTAINABILITY FROM THE ACADEMIA TO THE COMMUNITY</b> <i>L. Pombo, M. M. Marques, F. Guimarães</i>	4476
<b>INITIAL DIAGNOSTIC OF SUSTAINABLE DEVELOPMENT GOALS IN A MASTER DEGREE OF THE INDUSTRIAL ENGINEERING SCHOOL AT UNIVERSITAT POLITÈCNICA DE VALÈNCIA</b> <i>M.J. Verdecho, B. Andrés, J. Mula</i>	4485
<b>THE IMPACT OF ONLINE PEER ASSESSMENT ON STUDENT LEARNING IN HIGHER EDUCATION: A SYSTEMATIC REVIEW OF LITERATURE</b> <i>P. Loureiro, M.J. Gomes</i>	4490
<b>ADDRESSING THE NEED FOR A MORE GENDER BALANCED PARTICIPATION IN ENGINEERING EDUCATION</b> <i>C. Cassidy, K. O'Sullivan, N. Fitzgerald, I. Morris, F. Boyle, G. Corkery, J. Walsh</i>	4497
<b>ECOFORMATION AND CREATIVITY IN THE EDUCATION OF BRAZILIAN YOUTH IN SOCIAL VULNERABILITY</b> <i>V. Simao, S.M. Andrade, V.L. Silva</i>	4507
<b>IMPACT OF EDUCATION EXPENDITURE ON ECONOMIC DEVELOPMENT IN THE BALTIC STATES</b> <i>G. Dudzevičaitė</i>	4515
<b>OPENESS IN EDUCATION: A TECHNOLOGICAL AND CONCEPTUAL FRAMEWORK</b> <i>T. Minerva, M. Jana, C. Bellini, A. De Santis, K. Sannicandro</i>	4521
<b>ME&amp;MYCITY LEARNING ENVIRONMENT AND ENTREPRENEURSHIP EDUCATION</b> <i>A. Ojala</i>	4527
<b>FEEDBACK CHALLENGES IN SPRINT-BASED ASSESSMENTS</b> <i>S. Cox</i>	4534
<b>A LOGIC BASED AFFECTIVE TUTORING SYSTEM THAT USES REINFORCEMENT LEARNING FOR DISCOVERING TEACHING STRATEGIES</b> <i>A. Dougalis, D. Plexousakis</i>	4535
<b>FOSTERING STUDENT ENTREPRENEURSHIP MINDSET THROUGH THE EMBEDDING OF INTERNATIONAL STUDENT TEAMS INTO START-UPS AND THE STUDY OF COMPANY-DRIVEN OPEN QUESTIONS</b> <i>L. Brunie, S. Ben Mokhtar, D. Brac de la Perrière, D. Fabrègue, L. Tondu, A. Cordier, V. Delplanque, A. Bertrand, O. Coueffe, H. Kosch, E. Damiani, S. Cimato, I.A. Awada, A. Olaru, R. Wossidlo, G. Fiorentino, M. Lombardo, F.S. Nucci, O. Cramariuc</i>	4544
<b>THE PHOTODENTRO LEARNING SCENARIO REPOSITORY AND LEARNING SCENARIO DESIGNER TOOL: AN ONLINE ENVIRONMENT FOR CREATING, ORGANIZING, AND SHARING STRUCTURED LEARNING SCENARIOS AND CUSTOMIZABLE TEMPLATES</b> <i>E. Megalou, K. Alexandris, E. Oikonomidou</i>	4550
<b>EFFECTIVENESS OF 360° IMMERSIVE VIRTUAL REALITY FOR THE ACQUISITION OF SKILLS RELATED WITH EMPATHY IN PHYSIOTHERAPY STUDENTS: A PILOT STUDY</b> <i>L. Rubio-Martínez, A. Bermejo-Franco, L. Martínez-Caro, M. Medina-Sampedro, M.I. Gaviña-Barroso, R. Uccero-Lozano</i>	4561
<b>A PRELIMINARY USER INTERFACE DESIGN FOR A RHEUMATOID ARTHRITIS VIRTUAL REALITY EXPERIENCE</b> <i>A. Richardson, C. Seals, K. Garza, T. Xie, S. Kim, S. Akula</i>	4567

<b>LMOOC INTRODUCTION TO PORTUGUESE: DESIGN, IMPLEMENTATION, EVALUATION</b>	4575
<i>F. Silva, J. Veloso, A.I. Fernandes, I. Martins, N. Regadas, A. Seixas</i>	
<b>STUDENT GUIDELINES TO DO RESEARCH PROJECTS IN COLLABORATION WITH COMPANIES</b>	4584
<i>M. Maruri, M. Barturen, J. Madariaga, J. Sanchez-Beaskoetxea, I. Basterrechea, I. Sotes</i>	
<b>THE ROLE OF THE PEER-ASSESSMENT IN TEACHERS' EDUCATION</b>	4593
<i>N. Nikolova, S. Ivanov</i>	
<b>DIFFERENTIATED TEACHING - AN EFFECTIVE WAY PROMOTING STUDENTS' POTENTIAL</b>	4602
<i>L. Tavdgiridze, N. Sherozia, I. Khasaia, D. Doborjginidze</i>	
<b>POSSIBILITIES OF DEVELOPING READING LITERACY IN CONNECTION WITH THE SUBJECT OF PHYSICAL EDUCATION</b>	4606
<i>K. Barancová</i>	
<b>PLAY IN THE EARLY EDUCATION CURRICULUM</b>	4611
<i>L. Tavdgiridze, N. Sherozia, M. Bolkvadze, K. Shotadze, D. Doborjginidze</i>	
<b>USE OF THE KALDOR SQUARE IN WORLD ECONOMICS COURSES</b>	4615
<i>F. El Ghali Ghorafi, M.M. Capobianco Uriarte, M.P. Casado Belmonte, E. Besorabova</i>	
<b>LEARNING AND TEACHING EXPERIENCE THROUGH TOURISM ECONOMIC BLOGS</b>	4623
<i>F. El Ghali Ghorafi, M.M. Capobianco Uriarte, G.M. Marin Carrillo, E. Besorabova</i>	
<b>EMERGENCY ADAPTATION TO DISTANCE LEARNING: NO MAGIC BULLET, BUT WHERE THERE'S A WILL, THERE'S A WAY</b>	4627
<i>C. Pulfrey</i>	
<b>INVESTIGATING PREDICTORS OF ADOLESCENTS' INTENTION TO DONATE STEM CELLS TO LEUKAEMIA PATIENTS: A STUDY BASED ON THE THEORY OF PLANNED BEHAVIOUR</b>	4634
<i>J. Holzer, D. Elster</i>	
<b>RISK FACTORS IN THE RELATIONSHIPS BETWEEN PARENTS OF CHILDREN WITH DISABILITIES AND EDUCATORS</b>	4645
<i>J. Michalík, I. Hrubešová, Z. Haiclová, L. Nováková, P. Tomalová</i>	
<b>DEVELOPING A TRANSFORMATIVE MODEL FOR SCHOOL LEVEL DATA COMPLEX ANALYSIS TO IMPROVE STUDENT ACHIEVEMENTS</b>	4651
<i>P. Pestovs, D. Namsone</i>	
<b>INNOVATIVE CLASSROOM AND INFORMAL LEARNING SPACE: THE SENSE OF BELONGING AND POSITIVE LEARNING EXPERIENCE</b>	4656
<i>L. Collina, G. Gerosa, A.G. Manciaracina</i>	
<b>A LEXICAL ANALYSIS OF THE LANGUAGE OF SECONDARY SCHOOL EDUCATION IN NIGERIA</b>	4664
<i>O. Bello, C. Ogbulogo</i>	
<b>THE PIVOT ONLINE AND ITS IMPLICATIONS: A CASE STUDY FROM HOSPITALITY MANAGEMENT EDUCATION PRIORITISING THE PART-TIME LEARNER</b>	4673
<i>A. Conway, J. Hussey, D. Melia, R. Burbach</i>	
<b>TEACH PROGRAMMING IN MS TEAMS</b>	4683
<i>V. Stoffova, V. Gabalová, R. Horváth</i>	
<b>AUGMENTED AND VIRTUAL REALITY IN SCIENCE LAB TRAINING</b>	4690
<i>T. Kaiser, J. Kretschmar, C. Helgert, R. Geiss, T. Pertsch, A. Tünnermann</i>	
<b>EXPLORING STUDENT ENGAGEMENT IN MUSICAL ACTIVITIES THROUGH COLLAGE</b>	4691
<i>R. Girdzijauskienė</i>	
<b>EMBODIED COGNITION AND MANAGEMENT LEARNING: THE NEED FOR SENSORIAL, EMOTIONAL, AND SPIRITUAL SKILLS FOR SOLVING COMPLEX MANAGERIAL PROBLEMS</b>	4698
<i>I. Sluka, I. Ludviga</i>	
<b>ENABLING ADAPTIVE COURSES IN MOODLE</b>	4707
<i>M. Winterhagen, A. Hedderoth, R. Srbecky, F. Fischman, B. Wallenborn, M. Then, B. Vu, W. Fraas, J. Dettmers, M. Hemmje</i>	
<b>BLENDED TEACHING DESIGNS BASED ON BOPPPS MODEL IN MULTICULTURAL CLASSROOM</b>	4714
<i>Y.F. Yue, Y.Y. Chen</i>	
<b>CITIZENSHIP EDUCATION TO PROMOTE INCLUSION</b>	4721
<i>D. Chiusaroli</i>	

<b>WELCOME TO UR, ATHENS AND POMPEII: A TRAVEL TIME AS AN EDUCATIONAL INNOVATION TO TRANSFORM CITIZENSHIP AND DEMOCRACY LEARNING</b> <i>G. Gándara, A.G. Rodríguez, P. Aldape</i>	4725
<b>INCLUSION BEYOND PREJUDICE</b> <i>D. Chiusaroli</i>	4731
<b>DIDACTICAL STRUCTURAL TEMPLATES ENABLING LEARNER ADAPTIVE FLOW</b> <i>M. Winterhagen, S. Wetzler, R. Srbecky, D. Heutelbeck, B. Wallenborn, M. Hemmje</i>	4735
<b>GAMIFICATION AND AUGMENTED REALITY IN EDUCATIONAL RESEARCH</b> <i>G. Arduini</i>	4744
<b>REDESIGNING FASHION DESIGN IN HIGHER EDUCATION PROGRAMS: THE STUDENT'S ROLE IN IMPROVING DIDACTIC APPROACHES</b> <i>G. Fabro Cardoso, A. Spagnoli</i>	4749
<b>HARMONY IN DIVERSITY: MANAGING A MULTICULTURAL LEARNER GROUP</b> <i>Y.F. Yue, Y.Y. Chen, Z.H. Xie</i>	4757
<b>IMPLEMENTING A COMPETENCE AND QUALIFICATIONS PROFILE COMPONENT TO SUPPORT COMPETENCE AND QUALIFICATION BASED LEARNING IN HIGHER EDUCATIONAL INSTITUTIONS</b> <i>R. Srbecky, I. Ochsendorf, M. Then, M. Winterhagen, B. Wallenborn, M. Hemmje</i>	4765
<b>CONCEPT FOR A SYSTEM ARCHITECTURE FOR AN APPLIED LEARNING GAME FOR A WORK TASK SIMULATION SUPPORTING TRAINING OF WORK DESIGN SKILLS DURING QUALIFICATION-BASED LEARNING</b> <i>R. Srbecky, M. Winterhagen, B. Wallenborn, M. Then, B. Vu, W. Fraas, J. Dettmers, M. Hemmje</i>	4775
<b>DROPOUT PHENOMENON IN A HIGHER EDUCATION INSTITUTION IN THE NORTH OF PORTUGAL, AND THE REASONS BEHIND IT</b> <i>M. Santos Lopes, P. Sismeiro Pereira, P. Fortunato Vaz</i>	4783
<b>INDIVIDUALIZED BOTTOM-UP LISTENING SKILLS TRAINING THROUGH SELF-ACCESS MATERIALS AND REAL-TIME INSTRUCTIONS</b> <i>M. Yamauchi</i>	4791
<b>"I HAVE LITERALLY NEVER THOUGHT ABOUT THE PRIVACY OF MY ACADEMIC INFORMATION LIKE THIS": PERCEPTIONS OF DATA PRIVACY IN LEARNING MANAGEMENT SYSTEMS</b> <i>J.A. Jiang, F. Robledo Yamamoto, V. Nagy, M. Zander, L. Barker</i>	4797
<b>MUSIC AS AN ENHANCER OF WELL-BEING IN EARLY CHILDHOOD</b> <i>R. Monteiro, D. Noronha-Sousa, S. Sá, R. Oliveira, E. Paulo, R. Martins</i>	4798
<b>EXPLORING CRITICAL THINKING, MORAL REASONING AND ACADEMIC SUCCESS AS IMPORTANT COMPONENTS OF PERSONAL AND SOCIAL LIFE</b> <i>J. Knapík, M. Kosturková</i>	4799
<b>MUSIC IN KINDERGARTEN: ERADICATING STRESS AND ENHANCING DEVELOPMENT</b> <i>A. Costa, D. Noronha-Sousa, A. Noronha, S. Sá</i>	4804
<b>CYBERSECURITY AWARENESS IN SAUDI ARABIA: A SYSTEMATIC LITERATURE REVIEW</b> <i>R. Hamdi</i>	4805
<b>LEGAL CHANGES IN THE REGULATIONS OF SOCIAL SERVICES IN BULGARIA AND THE REFLECTION ON THE SOCIAL WORK EDUCATION</b> <i>L. Vekova</i>	4816
<b>THE NATURE: THE EMPOWERMENT OF CHILDREN IN EARLY CHILDHOOD</b> <i>M. Moura, S. Sá, D. Noronha-Sousa, E. Paulo, R. Martins, J. Torres</i>	4822
<b>THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOAL OF SMES FINANCING: DOES FINANCIAL RATIOS ANALYSIS HELP?</b> <i>A. Lucas, A. Ramires, D. Monteiro</i>	4823
<b>SELECTED TENDENCIES OF PROSOCIAL BEHAVIOUR OF TEACHER STUDENTS MEASURED BY PTM-R METHODOLOGY</b> <i>J. Knapík, M. Kosturková</i>	4831
<b>CHILDREN'S FEARS IN EARLY CHILDHOOD: A PROJECT WITH PARENTS AND EDUCATORS</b> <i>A. Xavier, S. Sá, D. Noronha-Sousa, A. Noronha, P. Silva, E. Paulo, R. Martins</i>	4835
<b>AN ANALYSIS OF A NATIONAL PROFESSIONAL DEVELOPMENT PROGRAM FOR DEVELOPING CYBERSECURITY AWARENESS EDUCATORS</b> <i>M. Ahmad, R.S. Ab Hamid, N. Razali</i>	4836

<b>A SYSTEMATIC LITERATURE REVIEW ON INTEGRATING COMPUTATIONAL THINKING INTO ENGLISH LANGUAGE COURSES LEARNING AND TEACHING IN K-12 EDUCATION</b>	4842
<i>X. Li, J. van Braak, M. Valcke, G. Sang</i>	
<b>TRAINING OF REMOTE EMPLOYEES AND LABOR LAW</b>	4851
<i>P. Sládek, T. Sigmund</i>	
<b>EXPLORING THE COLLABORATIVE POTENTIAL OF TABLET DEVICES IN HOME AND SCHOOL SETTINGS</b>	4857
<i>L. Morgan</i>	
<b>THE EFFECT OF EMPATHY ON THE SELF-EFFICACY OF PRIMARY EDUCATION TEACHERS DEPENDING ON THE YEARS OF EXPERIENCE IN THE NECESSARY INSTRUCTIONAL TECHNOLOGY CONTEXT</b>	4862
<i>M. Tapaskou, A. Papadopoulou, A. Giannakoulopoulos</i>	
<b>MEASURING THE EFFECTIVENESS OF IN-SERVICE TEACHER TRAINING THROUGH AN INTERNATIONAL ENGLISH LANGUAGE TEACHING QUALIFICATION</b>	4869
<i>H.Y. Su, J.C. Chang</i>	
<b>THE NARRATIVE OF THE GAME SPACE: A PLAYER'S LEARNING JOURNEY</b>	4874
<i>A. Papaoulasopoulos, A. Papadopoulou, A. Giannakoulopoulos</i>	
<b>USE OF THE QUIZZ CELL PHONE APPLICATION IN MATHEMATICS BY 5TH GRADE STUDENTS</b>	4882
<i>E. Sacramento, A. Soares, P. Catarino, M. Reis</i>	
<b>ANALYSIS OF INTEGRATION STRATEGIES AND TACTICS OF TECHNOLOGY AND TECHNOLOGICAL RESOURCES IN THE EDUCATIONAL MODEL IN SPAIN (SECONDARY EDUCATION AND BACCALAUREATE)</b>	4889
<i>J. Garcia Alonso</i>	
<b>TECHNOLOGY INTEGRATION MODELS IN MATHEMATICS TEACHING: ANALYSIS OF QUALITY CRITERIA</b>	4894
<i>M. Carneiro, A. Soares, P. Catarino, M. Reis</i>	
<b>CURRICULAR PROPOSAL FOR THE INTEGRATION OF THE EDUCATIONAL TECHNOLOGY AREA IN PROGRAMS RELATED TO TEACHER TRAINING</b>	4903
<i>J.C. Castellanos-Ramírez, S.A. Niño Carrasco, K.L. Parra Encinas</i>	
<b>I CAN SEE CLEARLY NOW: A PEER-REVIEW POSING PROBLEMS TASK WITH FUTURE ELEMENTARY TEACHERS</b>	4904
<i>A.P. Aires, M.M. Nascimento, P. Catarino</i>	
<b>PROMOTING QUALITY CAREER PATHS: MPLSAP A SUCCESS STORY IN HIGHER EDUCATION</b>	4912
<i>C. De-Pablos-Heredero, M. De-Pablos-Heredero</i>	
<b>DEVELOPMENT OF TWO DECISION AIDS TO EDUCATE PATIENTS WITH CHRONIC KIDNEY DISEASE: A PATIENT ACCEPTABILITY SURVEY</b>	4923
<i>R. Allen, F. Saeed</i>	
<b>CONNECTING WOMEN WITH RESOURCES TO THRIVE: CREATING A DIGITAL APP TO EMPOWER WOMEN TO SUPPORT HEALTHY INFANTS</b>	4924
<i>R. Allen, B. Batch, J. Roberts, A. Nakonechmyi</i>	
<b>MAKING BY IMAGINING: PRODUCING AN EXPERIENCED BASED ARCHITECTURE IN THE ARCHITECTURAL DESIGN STUDIO</b>	4925
<i>J. Gordon</i>	
<b>PUBLIC HEALTH PROGRAMS IN HIGHER EDUCATION: AN ANALYSIS OF GRADUATE PUBLIC HEALTH PROGRAMS AT HISTORICALLY BLACK COLLEGES AND UNIVERSITIES</b>	4932
<i>T. Clark, N. Brown, H. Aubrey, K. Anderson, T. Jordan, D. Hill-Eley, H. Swanson, E. Cameron</i>	
<b>OCCUPATION REFUGE: AN EXPERIENCE IN NON-FORMAL EDUCATION FROM INTERSECTIONS BETWEEN ART, SCIENCE AND TECHNOLOGY</b>	4937
<i>R. Nobrega, A.C. Cunha</i>	
<b>DESIGN AND DEVELOPMENT OF AN APP TO SUPPORT THERAPISTS TEACHING TAIWANESE CHILDREN WITH WRITTEN DISORDER TO LEARN CHINESE CHARACTERS HANDWRITING</b>	4943
<i>K.H. Lin, S.S.C. Young, C.N. Lan, T.S. Lin</i>	
<b>IEEE STANDARDS: COVID-ERA LEARNING TECHNOLOGIES POWERING INNOVATION AND STANDARDS EDUCATION PROGRAMS</b>	4951
<i>E. Vega Janica</i>	

<b>INDUCTION OF NOVICE HOMEROOM TEACHERS IN CHILE: CHARACTERIZATION OF THE SUPPORT THEY RECEIVE DURING THEIR FIRST YEAR OF WORK FOR LEARNING THE PROFESSION</b>	4959
<i>K. Moreno, R. Colomina, T. Mauri</i>	
<b>STAYING OFF-CAMPUS AMONG PUBLIC UNIVERSITY STUDENTS IN MALAYSIA: CHALLENGES AND MOTIVATION</b>	4960
<i>J.C. Lee, S. Bujang, A.S. Bin Shminan, R.U. Khan, M. Aren, K.X. Lim</i>	
<b>PREPARING FUTURE SOCIAL WORKERS (STUDENTS) TO WORK WITH FORCED MIGRANTS, USING EXPERIENTIAL EDUCATION METHODS</b>	4965
<i>V. Demidenko, V. Kondrataviciene</i>	
<b>FOSTERING CREATIVITY IN EDUCATION WITH THE DESIGN OF ANIMATED SHOWS FOR CHILDREN</b>	4970
<i>B. Hasirci, D. Hasirci</i>	
<b>SOCIO-PEDAGOGICAL APPROACH FOR REAL INCLUSION IN THE EDUCATIONAL PROCESS OF CHILDREN WITH SPECIAL EDUCATIONAL NEEDS (SEN) IN BULGARIA</b>	4975
<i>D. Spasova, T. Gerganova</i>	
<b>THE PEER-TUTORING ACTIVITIES DURING THE COVID-19 PANDEMIC: HOW TECHNOLOGY, E-LEARNING, AND ONLINE ACTIVITIES PROMOTED SOCIALIZATION AND WELLBEING IN THE ACADEMIC CONTEXT</b>	4984
<i>C. Annovazzi, D. Meneghetti, R. Rella, F. Zuccoli</i>	
<b>DIGITALIZATION IN THE EDUCATION OF CHILDREN WITH SPECIAL EDUCATIONAL NEEDS (SEN) IN SUPPORT OF THEIR PERSONAL DEVELOPMENT</b>	4993
<i>D. Spasova, T. Gerganova</i>	
<b>PSYCHOMOTOR EDUCATION AS A SUPPORT FOR MATHEMATICS ACQUISITION IN PRESCHOOL EDUCATION</b>	4999
<i>M. Bodart, M. Bruyninckx, M. Vandecassye</i>	
<b>IS SMALL THE NEXT BIG THING IN HIGHER EDUCATION? KEY FINDINGS FROM THE IMPLEMENTATION OF A SPECIFIC MICROCREDENTIAL APPROACH</b>	5006
<i>C. Friedl, S. Meier, C. Maierhofer</i>	
<b>DEVELOPMENT OF UNIVERSITY TEACHERS' PROFESSIONAL COMPETENCIES</b>	5011
<i>M. Sirotova, T. Šeben Zatlková</i>	
<b>APPLICATION OF PELTIER ELEMENTS AS RENEWABLE ENERGY SOURCES</b>	5020
<i>D. Srpak, I. Šumiga, T. Horvat, J. Nađ</i>	
<b>A MOBILE TREASURE HUNT GAME FOR LANGUAGE LEARNING</b>	5029
<i>B. Boras, T. Jaguš</i>	
<b>TEACHING STATISTICS IN AGRICULTURAL ENGINEERING: PROMOTING SELF-LEARNING FOR COMPETENCY ACQUISITION</b>	5034
<i>M. Llompart, J. Cifre, P. Martí, F. Sanfèlix</i>	
<b>STUDY ON THE PROFESSIONAL DEVELOPMENT OF PRIMARY SCHOOL TEACHERS</b>	5039
<i>R.S. Kiru, L. Maftai</i>	
<b>PROJECT BASED LEARNING FROM K12 TO UNIVERSITY EDUCATION</b>	5045
<i>F. Sanfèlix, P. Martí, J. Cifre, M. Llompart</i>	
<b>THE INTEGRATION OF A ROBOT INTO AN AUTOMATED ENVIRONMENT AT UNIVERSITY NORTH</b>	5050
<i>Z. Busija, J. Srpak, S. Švoger, D. Srpak</i>	
<b>AN APPROACH TO FIGHTING DISINFORMATION USING A PEER TO PEER EDUCATIONAL MODEL OF MEDIA EDUCATION: INVESTMENTS IN A SAFER FUTURE</b>	5058
<i>I. Rotaru, I. Dragomir, L. Drinc, G. Scutaru, I. Selim</i>	
<b>ADAPTIVE E-LEARNING AND ADAPTIVE ALGORITHMS FROM THE PERSPECTIVE OF M-LEARNING</b>	5068
<i>L. Klubal, V. Gybas</i>	
<b>THE USE OF COLLABORATIVE VIRTUAL ENVIRONMENTS (CVES) FOR ENGINEERING EDUCATION IN HIGHER EDUCATION INSTITUTIONS</b>	5073
<i>J. Moolman, G. Corkery, J. Walsh, S. Morrissey-Tucker</i>	
<b>ASSESSMENT OF TEACHERS' SUBJECT DIFFICULTIES AS AN IMPORTANT SOURCE OF INFORMATION ABOUT POSSIBLE BARRIERS IN THE EDUCATION QUALITY MANAGEMENT SYSTEM</b>	5082
<i>B. Ilyukhin, N. Serbina, E. Benks, E. Lepustina</i>	
<b>WHICH LECTURER TOOL IS MORE EFFECTIVE– A TABLET OR A REGULAR WHITEBOARD?</b>	5090
<i>E. Trotskovsky</i>	

<b>ASSISTING THE TEACHING OF MATHEMATICS IN PRIMARY SCHOOLS USING INTELLIGENT SOFTWARE</b> <i>N. Annuš</i>	5096
<b>SUSTAINABLE DEVELOPMENT PRACTICES TO FOSTER FUTURE SMES BUSINESS</b> <i>E. Mitan</i>	5103
<b>EXAMINATION OF PRE-SERVICE MATHEMATICS TEACHERS' ORCHESTRATION TYPES DURING TECHNOLOGY-ENHANCED LESSONS</b> <i>S. Alan, H. Akkoc</i>	5111
<b>PARENTS IN THE ROLE OF TEACHER'S ASSISTANTS</b> <i>M. Šantalab, J. Lasic Lazic</i>	5120
<b>SCHOOL PROFESSIONAL STAFF DURING DISTANCE LEARNING: (CHANGED) ROLES IN THE ONLINE ENVIRONMENT</b> <i>J. Maravić, K. Bilić Meštrić, M. Hribar</i>	5126
<b>EDUCATIONAL 'ESCAPE ROOM' AS A LEARNING TOOL FOR EXPERIMENTAL SUBJECTS IN CHEMISTRY DEGREE</b> <i>M. Vergara-Barberán, A. Monleón, A. Sanz-Marco, M.J. Lerma-García, M. Beneito-Cambra, C. Vila, G. Blay, R. Gisbert, I. Fernández, M.L. Cardona, J.R. Pedro</i>	5132
<b>VIRTUAL REALITY ACTIVITIES TO PROMOTE THE CHEMICAL ENGINEERING DEGREE TO HIGH SCHOOL AUDIENCES</b> <i>M.J. Díaz Villanueva, J.R. Portela Miguélez, I. Caro Pina, C.J. Álvarez Gallego, L. Casas Cardoso, I. de Ory Arriaga, A.M. Blandino Garrido, C. Mantell Serrano, R. Martín Minchero, L.I. Romero García, J. Sánchez Oneto, A. Montes Herrera, D.M. de los Santos Martínez, F. Lorenzo Díaz</i>	5138
<b>THE ROLE OF MOBILE DIGITAL LIBRARIES IN THE MODERN INFORMATION SOCIETY: EMPIRICAL STUDY AMONG STUDENTS AND LIBRARY SPECIALISTS</b> <i>M. Garvanova, E. Tsvetkova, E. Zdravkova-Velichkova</i>	5145
<b>APPLICATION OF SIMULATION TOOLS COMBINED WITH PRACTICAL EXERCISES IN STEM TEACHING</b> <i>L. Havaš, J. Srpak, I. Šumiga, I. Srpak</i>	5153
<b>DEVELOPMENT OF AN ONLINE LEARNING PLATFORM IN DESIGN THINKING EDUCATION THROUGH A DESIGN BASED RESEARCH METHODOLOGY</b> <i>M. Örnekoğlu Selçuk, M. Emmanouil, M. Grizioti, L. Van Langenhove</i>	5161
<b>PRACTICAL RESULTS FROM BIBLIOGRAPHY RESEARCH OF MEDIA LITERACY AND COPYRIGHT</b> <i>K. Planska-Simeonova, E. Zdravkova-Velichkova, S. Dimitrova, E. Tsvetkova</i>	5172
<b>STUDENTS PERSPECTIVES ON CHALLENGES IN BLENDED PROJECT-BASED LEARNING (PBL) COURSE IMPLEMENTED IN FIRST-YEAR UNDERGRADUATE ENGINEERING</b> <i>M. Asundi, R. Kandakatla, V. Talageri, M. Vijayalakshmi</i>	5178
<b>A EUROPEAN CROSS-COUNTRY AND INTERDISCIPLINARY NEEDS ANALYSIS FOR THE ERASMUS+ PROJECT 'DIGITALHEIGHTS' ON DIGITAL COMPETENCE IN ONLINE ASSESSMENT IN HIGHER EDUCATION</b> <i>N. Souleles, E. Papageorgiou, M. Samdanis</i>	5188
<b>HOW CAN INTELLIGENT SOFTWARE HELP CHECKING ESSAY-TYPE ANSWERS OF ELECTRONIC TESTS?</b> <i>N. Annuš</i>	5197
<b>ASSESSING THE EFFECTIVENESS OF STUDENT'S PARTICIPATION IN AN ONLINE DISCUSSION FORUM</b> <i>U. Koppikar, R. Amashi, M. Vijayalakshmi</i>	5205
<b>ORGANIZATIONAL LEARNING WITH CRISES – TRIPLE LOOP LEARNING IN CYBER SECURITY EXERCISES</b> <i>G. Østby, S.J. Kowalski</i>	5215
<b>ACCEPTANCE OF TEAM ASSESSMENT AND SELF-ASSESSMENT BY HIGH SCHOOL STUDENTS</b> <i>Z. Kubincová, K. Kolčák</i>	5225
<b>THE ROLE OF THE 4 C'S IN ACADEMIC PERFORMANCE OF FIRST-YEAR STUDENTS</b> <i>J.F. Luesia, I. Benítez, P.P. Pérez, J.F. Plaza, R.M. Vilches-Cansino, M. Sánchez-Martín</i>	5232
<b>ENGAGING UNDERGRADUATE STUDENTS IN A COURSE COMPANION WEBSITE DEVELOPMENT – AN EXPERIENCE FROM A BIODIVERSITY LABORATORY CLASS</b> <i>K.M. Yam</i>	5237
<b>LEVERAGING SOCIO-CULTURAL DIMENSION IN CYBER SECURITY TRAINING</b> <i>E.M. Ciuperca, C.E. Cîrnu, A. Stanciu, I. Cristescu</i>	5242



<b>VIDEOS AND MATLAB FOR TEACHING CONIC SECTIONS</b>	5249
<i>C. Solares, R. Blanco</i>	
<b>A GAMEFUL DIGITAL LEARNING TOOL TO REFLECT GENDER ISSUES AND GENDERED IDENTITY FOR MIGRANTS OF THE MENA REGION IN AUSTRIA</b>	5250
<i>C. Schlembach, B. Krucsay, U. Schäfer, B. Bienzle, U. Röhner</i>	
<b>MUSICAL BIOGRAPHY OF SLOVAK TEACHERS AND EDUCATORS</b>	5255
<i>P. Kusý</i>	
<b>INFLUENCE OF VARIABLES ON THE ACADEMIC SUCCESS OF HEALTH SCIENCE STUDENTS DURING ORAL AND WRITTEN EXAMS</b>	5264
<i>G. Esquivia Sobrino, M.C. Grijota Martínez, A. Cifuentes Martínez, V. Gómez Vicente, V. García Sousa, J.V. García Velasco, E. Ausó Monreal</i>	
<b>IMPACT OF LOCATION AND SPATIAL CONDITIONS ON STUDYING FROM HOME DURING THE COVID-19 PANDEMIC - A CASE STUDY OF SLOVENIA</b>	5268
<i>J. Breznik, M. Foški, G. Čok, G. Mrak, A. Zavodnik Lamovšek</i>	
<b>USING AN ENSEMBLE OF TRANSFORMER-BASED MODELS FOR AUTOMATED WRITING EVALUATION OF ESSAYS</b>	5276
<i>A. Stanciu, I. Cristescu, E.M. Ciuperca, C.E. Cîrnu</i>	
<b>FACE-TO-FACE VERSUS ONLINE ASSESSMENT: STUDENT ACADEMIC OUTCOMES IN HEALTH SCIENCES</b>	5283
<i>E. Ausó Monreal, R. Pérez Rodríguez, V. Gómez Vicente, G. Esquivia Sobrino</i>	
<b>AN EXPERIMENTAL LESSON OF NEAPOLITAN CULTURE FOR A FOREIGN STUDENTS' CLASS</b>	5288
<i>P. Pardi</i>	
<b>BIBLIOMETRIC STUDY OF MOTIVATION FACTORS IN HIGHER EDUCATION</b>	5298
<i>L. Canós-Darós, E. Babiloni, C. García Gallego, M. García Gallego, C. Santandreu-Mascarell, E. Guijarro</i>	
<b>THE INSPIRATION IN FOREIGN LANGUAGE CONVERSATION ACTIVITIES</b>	5305
<i>P. Pardi</i>	
<b>TEACHING EMBEDDED/IOT TO ALL ENGINEERS</b>	5314
<i>P. Ferreira, B. Malheiro, M. Silva, P. Borges Guedes, J. Justo, C. Ribeiro, A. Duarte</i>	
<b>TRAINING FUTURE IT LEADERS IN A COLLABORATIVE AND MULTICULTURAL SETTING</b>	5318
<i>L. Brunie, S. Ben Mokhtar, D. Brac de la Perrière, D. Fabrègue, L. Tondu, A. Cordier, V. Delplanque, A. Bertrand, O. Coueffe, H. Kosch, E. Damiani, S. Cimato, I.A. Awada, A. Olaru, R. Wossidlo, G. Fiorentino, L. Lombardo, F.S. Nucci, O. Cramariuc</i>	
<b>OVERCOMING DIGITAL DIVIDE – A TALE OF TWO COHORTS</b>	5322
<i>P.B. Patil, Basawaraj, M. Vijayalakshmi</i>	
<b>THE EPS@ISEP PROGRAMME: A GLOBALISATION AND INTERNATIONALISATION EXPERIENCE</b>	5328
<i>P. Ferreira, B. Malheiro, M. Silva, P. Borges Guedes, J. Justo, C. Ribeiro, A. Duarte</i>	
<b>A SYSTEMATIC LITERATURE REVIEW OF LEARNING ASSESSMENT MATERIAL AUTHORIZING SYSTEMS</b>	5334
<i>A. Cannavò, F. De Lorenzis, F. Lamberti, C. Demartini</i>	
<b>PERCEPTION OF WOMEN IN SOCIETY GIVEN THROUGH PROVERBS AND SAYINGS</b>	5345
<i>D. Kuzmanovska, V. Koceva, A. Vitanova Ringaceva, S. Kirova, B. Ivanova, I. Koteva, M. Todorova</i>	
<b>DIMENDX - DIGITAL MEDIA NETWORK FOR DOCTORAL STUDIES EXPERIENCES</b>	5350
<i>R. Raposo</i>	
<b>OPEN SCIENCE AND OPEN DATA TOWARDS OPEN EDUCATION — PORTLINGUE: A DIGITAL HUMANITIES RESEARCH PROJECT</b>	5357
<i>S. Araújo, M. Aguiar</i>	
<b>COIL: WORKING WITH JAPANESE PARTNERS POST-PANDEMIC</b>	5363
<i>S.L. Birchley, M. Takeuchi, J. Durand</i>	
<b>COMPARISON OF PROFESSIONAL DEVELOPMENT PERSPECTIVE OF TEACHERS FROM TURKEY AND LATVIA</b>	5372
<i>F. Uğurlu, F.E. Acar, G. Strods</i>	
<b>COMPARING VIDEO AND INTERACTIVE LEARNING MATERIAL STYLES FOR PROGRAMMING</b>	5381
<i>E. Ossovski, M. Brinkmeier</i>	
<b>AN EXPERIENCE OF IMPLEMENTING AGILE PROJECT MANAGEMENT PRACTICE IN PBL COURSE AT FIRST-YEAR ENGINEERING COURSE</b>	5391
<i>J. Gadad, V. Talageri, M. Kaushik, M. Asundi</i>	

<b>MODE EFFECT AND ITEM EQUIVALENCE IN LARGE-SCALE INTERNATIONAL STUDENT ASSESSMENTS - A SYSTEMATIC LITERATURE REVIEW</b> <i>J. T. Kárász, K. Széll</i>	5399
<b>FOSTERING PRE-SERVICE SCIENCE TEACHERS' ENACTED TPACK. PRESENTATION OF A COMPREHENSIVE INTERVENTION IN TERMS OF A SPECIFIC MEDIA USE</b> <i>A. Aumann, H. Weitzel</i>	5400
<b>DEVELOPING STRATEGIES FOR TEACHING CRITICAL THINKING IN PHYSICAL SCIENCES LEARNERS AT SELECTED SCHOOLS IN MASHISHILA CIRCUIT IN MPUMALANGA PROVINCE, SOUTH AFRICA</b> <i>P.O. Tagutanazoo, R. Bhagwandeem</i>	5407
<b>PERSPECTIVES OF PREP SCHOOL STUDENTS AND TEACHERS ON HYBRID EDUCATION DURING COVID-19</b> <i>S. İnci</i>	5408
<b>EDUCATIONAL ASPECTS OF MUSEUM EXHIBITION DESIGN</b> <i>A. Strode</i>	5416
<b>RECOGNISING POSSIBILITIES THROUGH THE "VIP-TECH-JOB: TIME 2 ACT!" PROJECT RESULTS: VISUALLY IMPAIRED PEOPLE, WORKPLACE TRAINING AND THE ENRICHMENT OF THE CURRENT LABOR MARKET</b> <i>A. Giannakopoulou, A. David, A. Giannakopoulou, F. Hurtado, R. Vukcevic</i>	5423
<b>CLOSED FORMULA OF REQUIRED ITEM NUMBER FOR ADAPTIVE TESTING WITH MEDIUM PROBABILITY OF ITEM SOLUTION</b> <i>J. T. Kárász, K. Széll, S. Takács</i>	5432
<b>LEARNING EXPERIENCES OF GRADES 10 AND 11 PHYSICAL SCIENCES LEARNERS IN THE LEJWELEPUTSWA DISTRICT, FREE STATE, SOUTH AFRICA</b> <i>R. Bhagwandeem, A.M. Rambuda</i>	5433
<b>TRAINING PILLS TO IMPROVE ANALYTICAL CHEMISTRY LABORATORY COMPETENCES IN NUTRITION AND FOOD MASTER'S DEGREE</b> <i>R. Sánchez, A. Polo, A. López, S. Martínez, A. Valdés, J.L. Todolí</i>	5434
<b>STUDENT-CENTRED DESIGN OF LEARNING DASHBOARDS</b> <i>D. Rajanen, M. Rajanen</i>	5441
<b>E-LEARNING OF ANATOMY: VIRTUAL PLATFORMS AS A SURROGATE FOR THE IN-PERSON ANATOMY LABORATORY CLASSROOM</b> <i>M. Mitjans, T. Cambras, R. Martín-Venegas, I. Azagra, R. Moreno, J.M. Planas, M.J. Rodríguez-Lagunas, M.P. Vinardell</i>	5451
<b>TWO GENERATIONS' VIEWS ON BEHAVIOUR IN A VIRTUAL ENVIRONMENT</b> <i>H. Zelená, Z. Babulicová</i>	5458
<b>IS THE DIGITAL DIVIDE WIDENING OR NARROWING AMONG ROMANIAN YOUTH?</b> <i>A. Nastasa, A.B. Aldea</i>	5465
<b>RESULTS OF THE EVALUATION OF CURRICULAR UNITS IN THE AREA OF MATHEMATICS IN HIGHER EDUCATION COURSES: A PRE AND POST- COVID-19 COMPARATIVE STUDY</b> <i>J. Lourenço, S. Sá, N. Neves, J.C. Monteiro, J. Santos, J.C. Morais</i>	5473
<b>INTERNATIONALIZING THE CAMPUS: LEVERAGING TECHNOLOGY, ACADEMIC DEVELOPMENT, AND AUBURN UNIVERSITY'S INTERNATIONAL PERSPECTIVES ON TEACHING AND LEARNING INITIATIVE</b> <i>J. Groccia, L. Weisbrod, E. Sahib</i>	5478
<b>INTERACTIVE ANIMATIONS OF MECHANISM SIMULATIONS FOR THE MECHANICAL ENGINEERING AREA: THE MECAPEDIA WEBSITE</b> <i>J.L. Iserte-Vilar, A. Pérez-González, I. Llop-Harillo, V. Roda-Casanova, F. Sánchez-Marín, J.L. Sancho-Bru, J. Andrés-Esperanza, M.C. Mora-Covadonga, J.V. García-Ortiz, J.F. Fuentes-Ballesteros</i>	5479
<b>VIRTUAL DIDACTIC GAME IN TEACHING CHEMISTRY</b> <i>K. Trčková, R. Maršálek, S. Polášková</i>	5485
<b>THE IMPORTANCE OF INTERNATIONAL INTER-DISCIPLINARY LECTURES: AN EDUCATIONAL INNOVATION SYSTEM FOR ENHANCING STUDENTS' JOB HUNTING</b> <i>A.M. Lara-Palma, R. Brotóns-Cano, A. Jiménez, M.M. Delgado-Hurtado, O. Valencia-García, M.M. Jimeno-Bulnes, D. Matsuda</i>	5493
<b>TRACES FROM CONSTRUCTION KITS TO EDUCATIONAL ROBOTICS IN TECHNOLOGY EDUCATION</b> <i>M. Fislake</i>	5502

<b>DISPERSED ASSESSMENT IN REMOTE LEARNING TO INCREASE STUDENT ENGAGEMENT IN TIMES OF CRISIS</b> <i>Z. Thompson, H. Yoon, P. Booth</i>	5507
<b>A BIBLIOMETRIC ANALYSIS OF ARTIFICIAL INTELLIGENCE (AI) IN EDUCATION RESEARCH</b> <i>A. Nastasa</i>	5508
<b>INTENTIONAL DEVELOPMENT OF COGNITIVE FUNCTIONS OF PRESCHOOL-AGED CHILDREN</b> <i>Z. Babulicová</i>	5515
<b>GAME-BASED LEARNING TO HELP STUDENTS TO STUDY THE MOST TYPICAL TREES AND SHRUBS SPECIES IN GARDENS, PARKS AND GREEN AREAS</b> <i>A. Hernando, M. Gomez, L. Gonzaga García, M. Legrand, S. Martín, J. Velazquez, C. Iglesias Merchan, A. López, C. Pacual, A. García Abril</i>	5521
<b>SATISFACTION WITH REMOTE TEACHING AND THE RETURN TO IN-PERSON TEACHING: PERCEPTION OF HIGHER EDUCATION STUDENTS</b> <i>C. Martinho, A. Cardoso, V. Manteigas, R. Pereira Rodrigues, R. Abreu, M.J. Escudeiro</i>	5528
<b>REDEFINING THE E-SCHOOLS CONCEPT OF TEACHING SCENARIOS FOR INTERDISCIPLINARY TOPICS</b> <i>G. Hajdin, D. Plantak Vukovac, D. Oreski</i>	5534
<b>MODELLING TEACHERS' INTENTION TO RE-USE DIGITAL EDUCATIONAL CONTENT</b> <i>D. Oreski, G. Hajdin, D. Plantak Vukovac</i>	5543
<b>A DECADE OF EXPERIENCE IN THE ORIENTATION TO THE STUDENTS AT THE FACULTY OF SCIENCES IN THE UNIVERSITY OF CÁDIZ, WITHIN THE EUROPEAN HIGHER EDUCATION AREA</b> <i>J. Ayuso, D. Bellido-Milla, M. Carbú, L. Cubillana-Aguilera, M.D. Galindo-Riaño, C. García-Vázquez, J.M. Gómez, M.A. Moreno-Frías, A. Amores-Arrocha</i>	5551
<b>ATTRIBUTES OF PHYSICAL COMPUTING SYSTEMS – THE PERSPECTIVE OF PEDAGOGY</b> <i>E. Schätz, A. Martens</i>	5561
<b>RELIABILITY OF THE SELF-ASSESSMENT TOOL WITH STUDENTS OF THE FIRST YEAR OF THE DEGREE IN FOOD SCIENCE AND TECHNOLOGY</b> <i>M. Ortega-Heras, I. Gómez, M.D. Rivero-Pérez, M. Cavia-Saiz, M.G. Gerardi, P. Muñiz</i>	5566
<b>THE PERKS AND PERILS OF LEARNING PROGRAMMING ONLINE: THE CASE OF TEACHER TRAINING</b> <i>A. Fuentes Martinez</i>	5571
<b>PUBLISH YOUR GEO-DATA AS PROFESSIONALS!</b> <i>O. Cerba, K. Charoát, F. Zdražil, R. Berzins, I. Košková, M. Šplíchal</i>	5580
<b>INTERACTIVE PROGRAMMING TOOLS FOR BEGINNERS IN ELEMENTARY SCHOOL INFORMATICS</b> <i>K. Czaková, O. Takáč</i>	5588
<b>CRITICAL THINKING OF HIGH SCHOOL STUDENTS: CASE STUDY OF THE SLOVAK REPUBLIC</b> <i>E. Madudova, M. Majerčáková, J. Tengler</i>	5596
<b>“WITH HANDS IN SCIENCE” EXPERIENCES FOR SECONDARY SCHOOL STUDENTS</b> <i>I. Gómez, M. Ortega-Heras, M. Cavia-Saiz, M.D. Rivero-Pérez, M.G. Gerardi, P. Muñiz</i>	5604
<b>EXPANDING STUDENT ENGAGEMENT IN SDG 13 ‘CLIMATE ACTION’</b> <i>C. Lull, J.V. Llinares, M.D. Soriano</i>	5611
<b>METHODOLOGY FOR DEVELOPING A FRAMEWORK FOR DIGITAL COMPETENCIES OF SCHOOL PRINCIPALS IN CROATIA</b> <i>N. Žajdela Hrustek, V. Kirinić, R. Mekovec</i>	5618
<b>AN EXPLORATION OF GENDER ROLES BASED ON THE CONTENTS IN TAIWANESE AND KOREAN HISTORY TEXTBOOKS: FROM CROSS-CULTURAL PERSPECTIVES</b> <i>M.H. Su, P.I. Chou, M. Valcke</i>	5626
<b>HOW DO WE SOLVE THE CURRENT PROBLEMS OF STUDENTS WITH SPECIAL EDUCATIONAL NEEDS AT UNIVERSITY THROUGH THE COUNSELING?</b> <i>D. Janderková</i>	5633
<b>SELF-ASSESSMENT OF DIGITAL LITERACY SKILLS IN MICROLEARNING COURSE</b> <i>T. Javorcik</i>	5642

<b>AN EXAMPLE OF USING A PROJECT-BASED DESIGN IN SOLVING INTERDISCIPLINARY DESIGN PROBLEMS</b>	5648
<i>A. Szweczenko, E. Lach, I. Chuchnowska, N. Bursiewicz, I. Benek, M. Sanigórska, K. Elsner, D. Bal, P. Czaplá, B. Stawiarz, M. Adamczyk, A. Kiełtyka</i>	
<b>THE USE OF DIGITAL TECHNOLOGY TO IMPROVE PEDAGOGICAL PRACTICES: A CASE STUDY FROM AN INNOVATIVE PREPARATORY SCHOOL</b>	5655
<i>V. Johansen, T. Schanke</i>	
<b>DEVELOPMENTAL TRAUMA AND NEUROCOGNITION IN YOUNG ADULTS: A SYSTEMATIC REVIEW</b>	5656
<i>E. Gkintoni, B. Boutsinas, E. Kourkoutas</i>	
<b>TEACHER ASSESSMENT AND EVALUATION – WHY SHOULD WE CARE?</b>	5663
<i>R. Mekovec, V. Kirinić</i>	
<b>DEVELOPING LEADERSHIP IN EDUCATION</b>	5671
<i>K. Buckley</i>	
<b>COMPUTATIONAL THINKING TEST ADAPTATION IN GREEK CULTURE: ENSURING ITS CONTENT VALIDITY</b>	5672
<i>P. Kakavas, F.C. Ugolini</i>	
<b>THE ADVANTAGES OF TESTING HIGHER-ORDER THINKING IN ONLINE OPEN BOOK ASSESSMENTS</b>	5682
<i>P. Holland, L. Mason</i>	
<b>INSIGHTS TO SOCIAL AND DIGITAL MEDIA KNOWLEDGE OF TECHNICAL STUDENTS</b>	5683
<i>V. Koch, E. Medic</i>	
<b>VIRTUAL REALITY IN EDUCATION AND TRAINING WITH A FOCUS ON SAFETY AND HEALTH AT WORK</b>	5690
<i>A. Cidlinová, M. Bárdy, A. Dadová</i>	
<b>AN OVERVIEW OF COGNITIVE NEUROSCIENCE IN EDUCATION</b>	5698
<i>E. Gkintoni, I. Dimakos</i>	
<b>INCREASING ENVIRONMENTAL SCIENCES STUDENTS' AWARENESS OF THE LINK BETWEEN SOIL AND SUSTAINABLE DEVELOPMENT GOALS</b>	5708
<i>C. Lull, J.V. Llinares, I. Bautista, A. Lidón</i>	
<b>DESIGN OF AN EXCEL-RECORDED MACROS CURRICULUM FOR THE DEVELOPMENT OF COMPUTATIONAL THINKING SKILLS BY PRIMARY SCHOOL STUDENTS</b>	5718
<i>P. Kakavas, F.C. Ugolini</i>	
<b>ADAPTATION TO ONLINE EDUCATION DURING THE COVID-19 LOCKDOWN: ANALYSIS FROM THE PERSPECTIVE OF THE UNIVERSITY STUDENT IN EDUCATION DEGREES</b>	5728
<i>C. Ferragut, H. Vila, A. Pérez-López, D. Valades, A. Abraldes</i>	
<b>COMPARING STUDENTS' PERCEPTION OF DISTANCE AND FACE-TO-FACE LEARNING</b>	5735
<i>A. Mezeiová, A. Bencsik</i>	
<b>EXPERIENCE OF UNDERGRADUATE AND POSTGRADUATE STUDENTS WITH AN EDUCATIONAL GAME APP FOR SMARTPHONES FOR LEARNING DIAGNOSIS OF MALARIA</b>	5741
<i>A. Peña-Fernández, R. Morchón, G. Torrado, M.D. Evans, M.A. Peña</i>	
<b>EDUCATIONAL LEARNING METHODS WITH GAMIFICATION ASPECTS FOR INMATES DURING PANDEMIC</b>	5746
<i>A. Giannoulis, H. Antonopoulou, C. Halkiopoulos</i>	
<b>THE IMPACT OF STRESS ON THE PERSONAL AND PROFESSIONAL LIFE OF ACADEMIC STAFF TODAY</b>	5752
<i>D. Janderková</i>	
<b>IMPLEMENTATION OF LASER NAVIGATION WITHIN COMPUTER SCIENCE LESSONS</b>	5760
<i>O. Takáč, K. Czaková</i>	
<b>INVESTIGATING SCHOOL ADMINISTRATION PERCEPTIONS THROUGH THE HOLISTIC LEADERSHIP MODEL TOWARD THE INCLUSION AND INTEGRATION PROCESS OF REFUGEE STUDENTS IN THE GREEK EDUCATIONAL SYSTEM</b>	5765
<i>V. Charisi, A. Zafeiroudi, C. Kouthouris, A. Kafa</i>	
<b>DEVELOPMENT OF COMPUTATIONAL THINKING: GOALS AND STRATEGIES</b>	5771
<i>T.L. da Silva, L.M. Rockenbach Tarouco</i>	

<b>RESULTS OF AND EVALUATION OF A NOVEL SMARTPHONE APP FOR LEARNING MEDICAL PARASITOLOGY</b> <i>A. Peña-Fernández, M.A. Peña, G. Torrado, L. Acosta</i>	5778
<b>BLOCKCHAIN TECHNOLOGY AS AN ASSET FOR INNOVATIVE EDUCATIONAL APPLICATIONS: A SYSTEMATIC REVIEW</b> <i>N. Kostopoulos, H. Antonopoulou, C. Halkiopoulos</i>	5783
<b>THE EFFECT OF PROVIDING OR NOT PROVIDING SLIDES ON ACADEMIC PERFORMANCE</b> <i>A. Perez-Lopez, H. Vila, C. Ferragut, D. Valades</i>	5790
<b>SOCIAL NETWORKS AS ADDITIONAL TEACHING TOOL</b> <i>K. Aleksić-Maslač, Z. Biočina, B. Sinković</i>	5794
<b>ENHANCING STATISTICAL CONCEPTS TEACHING THROUGH INNOVATIVE INTERACTIVE APPLICATIONS</b> <i>E.L. Cano, C. Alfaro, M.J. Algar, A. Alonso-Ayuso, J.M. Moguerza, F. Ortega</i>	5800
<b>THE IPPOG RESOURCE DATABASE: SUPPORTING GLOBAL PARTICLE PHYSICS OUTREACH &amp; EDUCATION</b> <i>I. Melo</i>	5807
<b>AN OVERVIEW OF MODERN METHODOLOGICAL APPROACHES OF IT EDUCATION</b> <i>D. Paksi, M. Csóka, N. Annuš</i>	5812
<b>CREATING A PRODUCTION PIPELINE FOR 360° LEARNING ENVIRONMENTS</b> <i>D. Derichs, S. Sevón, T. Votkin, T. Kauppinen</i>	5818
<b>STUDENT-CENTERED DESIGN AND IMPLEMENTATION OF A NEW CLINIC PRACTICE FOR LOGOPEDICS</b> <i>M. Luoto-Ellä, L. Lintula, J. Virkki</i>	5825
<b>RE-INVENTING HEIS TO ENHANCE STUDENT INNOVATION AND ENTREPRENEURSHIP SKILLS</b> <i>G. Gonçalves, J. Pego, E. Costa, J. Resende, P. Hatton, M. Gandoy-Crego, D. Facal, P. Dolezel, L. Routil, J. Pospichal, E. Shevtshenko, G. Teodorescu, M. Oliveira, A. Leal, M. Duarte</i>	5830
<b>QUESTIONING THE ASSUMPTIONS UNDERLYING PERSONALISED EDUCATION TECHNOLOGY: OVERVIEW OF CURRENT LITERATURE</b> <i>K.J. Laak, J. Aru</i>	5837
<b>STUDY OF PLANTS THROUGH LABORATORY TEACHING BASED ON THE SCIENTIFIC METHOD WITH PRIMARY SCHOOL CHILDREN</b> <i>F. Bolzon, M. Bellio, E. Pietropoli, G. Santovito, P. Irato</i>	5846
<b>SPREADSHEETS FEASIBILITY FOR MODELING IN EDUCATION</b> <i>D. Paksi, M. Csóka, SZ. Svitek</i>	5855
<b>PRESENTATION OF PROGRAMMING ELEMENTS USING MODERN BOARD GAMES</b> <i>D. Solymos</i>	5862
<b>VALIDATION OF THE READING COMPREHENSION INTERVENTION PROGRAM FOR THE ENGLISH LANGUAGE</b> <i>M. Hornickova, E. Szabo, R. Havettova, L. Adlerova</i>	5870
<b>AN INVESTIGATION ON THE POSITIVE ASPECTS OF THE CONTACT WITH NATURE IN DEVELOPING-AGE CHILDREN. A REVIEW OF FORMAL AND NON-FORMAL EDUCATIONAL REALITIES IN THE VENETO REGION</b> <i>M. De Rossi, M. Bellio, E. Pietropoli, E. Piva, G. Santovito, S. Schumann, P. Irato</i>	5879
<b>ONLINE STORIES OF INCLUSION AND EXCLUSION OF LEARNERS WITH DISABILITIES IN SOUTH AFRICA</b> <i>L. Dalvit</i>	5888
<b>A TEACHING GUIDE TO READING MARGINAL NOTES</b> <i>K. Hristova-Yordanova</i>	5889
<b>PSYCHOLOGICAL DISTRESS IN SOUTHERN ITALIAN STUDENTS DURING THE PANDEMIC AGE</b> <i>M. Cerasuolo, F. Ciaramella, R. Nappo, R. Simeoli, A. Rega</i>	5894
<b>REMOTE LEARNING IN A PANDEMIC: EXPERIENCES OF TEACHERS AND LEARNERS IN NIGERIA'S PUBLIC AND PRIVATE UNIVERSITIES</b> <i>D. Adelowo, T. Allo, O. Amoo</i>	5900
<b>THE SUPPORT OF DIGITAL TECHNOLOGY ON EDUCATION DURING THE COVID-19 PANDEMIC</b> <i>P. Pătrașcu, I.C. Buță, E. Șuşnea</i>	5909

<b>DIGIPHOTON – THE DIGITALIZATION OF THE INTERNATIONAL MASTER OF PHOTONICS COURSE</b>	5915
<i>F. Sojka, J. Kretzschmar, J. Domke, C. Henkel, T. Kaiser, F. Lukas, R. Geiss, C. Helgert, T. Pertsch</i>	
<b>GEOMETRICAL MODELLING IN ARCHITECTURE BETWEEN ORIGAMI, LASER CUT, 3D PRINT AND DIGITAL TOOLS</b>	5916
<i>M. Pavignano, M.L. Spreafico, A. Tomalini, U. Zich</i>	
<b>QUANTITATIVE ANALYSIS OF THE PERCEPTION AND IMPACT ON LEARNING WITH THE USE OF VIRTUAL SIMULATION PLATFORMS IN UNDERGRADUATE STUDENTS</b>	5926
<i>B. Sáez Pizarro, E. Pérez Izquierdo, C. Andreu Vázquez, M.M. Alonso Cascón, V. Negri</i>	
<b>TERMOLABO PROJECT: A THERMOFLUID SYSTEMS REMOTE LAB</b>	5934
<i>S. Sanchez, J. Muñoz, A. Vanegas, F. Varela</i>	
<b>RADIUM, AN EDUCATIONAL PROJECT IN NUCLEAR AND RADIATION SCIENCES</b>	5943
<i>D. Mostacci, T. Savitskaya, I. Kimlenka, S. Vashenko, S. Schreurs, U. Scherer, S. Carlos, S. Compagno</i>	
<b>EFFECT OF ANONYMOUS PARTICIPATION IN ONLINE CLASSES ON UNIVERSITY STUDENTS LEARNING</b>	5944
<i>H. Gutiérrez Pablo, R. Lafuente Ureta, M. Francín Gallego, V. Barrachina Aguerri, M. San Miguel-Pagola</i>	
<b>HIGHER EDUCATION INSTITUTIONS ACCESSIBILITY: A COMPARATIVE ANALYSIS OF ACCESS TO CONTENT ON INSTITUTIONAL SITES</b>	5945
<i>N. Neves, S. Sá, J.C. Monteiro, J. Santos, J. Lourenço, J.C. Morais</i>	
<b>THE EFFECT OF INFLUENCE-EMBEDDED PHYSICS INSTRUCTION ON STUDENT ATTITUDE, MOTIVATION, AND PERFORMANCE</b>	5951
<i>D.A. Duque, L. Roleda</i>	
<b>ANALYSIS OF EMOTIONAL COMPETENCES IN STUDENTS' CAREERS SUCCESS: EVIDENCES FROM HUMAN RESOURCE MASTER PROGRAM</b>	5960
<i>J. Barrena-Martinez, M. López-Fernández, P.M. Romero-Fernandez, M. Ruiz-Rodriguez, M. Utrera-Aragon</i>	
<b>TEACHING CODING IN SCHOOLS</b>	5961
<i>B. Mannoia</i>	
<b>HANDS-ON LEARNING PLATFORM FOR TEACHING POPULATION MODELS IN HIGHER EDUCATION</b>	5968
<i>D. Paksi, N. Annuš</i>	
<b>APPLICATION OF BUSINESS PROCESS MODELING AND NOTATION METHODOLOGY IN EDUCATION - CASE OF LECTURES IN CRISIS MANAGEMENT COURSE</b>	5974
<i>Z. Dobrovic, I. Milic</i>	
<b>TEACHING IN LIFE AND HEALTH COURSES DURING THE COVID-19 PANDEMIC</b>	5982
<i>A. Velás, V. Šoltés</i>	
<b>DEVELOPING A MOBILE LEARNING APP FOR DIGITAL LITERACIES WITH THE USER GROUP IN ONLINE ENVIRONMENTS: METHODS AND LESSONS LEARNED</b>	5988
<i>F. Günther, R. Lorenz, N. Filz, A. Umlauft</i>	
<b>DEVELOPING ONLINE INTERACTION AND SHARED COMMITMENT IN VIRTUAL PROJECT TEAMS</b>	5994
<i>T. Vesala-Varttala, M. Morgado</i>	
<b>ENGAGING LEARNING STYLES BY USING A CONFIDENCE ASSESSMENT SURVEY TO ENHANCE UNDERGRADUATE NURSING STUDENTS' PREPARATION FOR COMPREHENSIVE PHYSICAL ASSESSMENT PERFORMANCE EVALUATION</b>	6003
<i>L. Cimino, A. Martino, T. Ocallaghan</i>	
<b>INTERNSHIPS IN HIGHER EDUCATION: FROM FACE-TO-FACE TO VIRTUAL REALITY EXPERIENCES (THE TPM JOURNEY)</b>	6004
<i>A. Coll, C. Ballesté, C. Blanco, E. Kondi, A. Jovic, L. Villarejo-Muñoz, M. Alier, M. Manylich, R. Valero</i>	
<b>PARENTS' PREPAREDNESS FOR EARLY CHILDHOOD UPBRINGING, EDUCATION, AND CARE</b>	6005
<i>S. Barnová, Z. Geršicová, S. Krásna, B. Mačová, M. Masáriková</i>	
<b>FAMILY BUSINESS OR NONE OF MY BUSINESS: FACTORS INFLUENCING THE EMPLOYER ATTRACTIVENESS OF FAMILY BUSINESSES FOR THE GENERATION Y</b>	6011
<i>T. Spiess, V. Voelckel, S. Kruschel</i>	
<b>LAB BUDDY SYSTEM FOR HYBRID PRACTICAL TRAINING AND THE INTEGRATION OF ONLINE STUDENTS INTO THE STUDENT COMMUNITY</b>	6019
<i>F. Sojka, J. Domke, C. Henkel, F. Lukas, J. Kretzschmar, R. Ackermann, C. Helgert, T. Pertsch</i>	

<b>STUDENT-CENTRED LEARNING: EFFECTS ON GRADUATES' SATISFACTION WITH STUDY PROGRAMMES</b> <i>A. Tecilazić</i>	6020
<b>STUDY REGARDING THE IMPROVEMENT OF SERVICES IN PRESCHOOL INSTITUTIONS IN SIBIU COUNTY</b> <i>L.G. Popescu</i>	6027
<b>IDENTITY, CONTEXT AND MOBILE MEDIA: A CRITICAL DIGITAL LITERACY SERVICE LEARNING COURSE IN A SOUTH AFRICAN TOWNSHIP</b> <i>P. Boshoff, L. Dalvit</i>	6034
<b>HOW TO TEACH STATISTICS</b> <i>L. Marek, S. Hronova, R. Hindls</i>	6035
<b>LITERATURE REVIEW ON ASSESSMENT MODELS AND THEIR RELATIONSHIP TO LEARNING ANALYTICS</b> <i>J. Llerena-Izquierdo, A.E. Guerrero-Roldán, M.E. Rodríguez</i>	6036
<b>CONTINUOUS ASSESSMENT OF STUDENT'S KNOWLEDGE USING LMS PLATFORM MOODLE</b> <i>M. Trnka, E. Kralova</i>	6043
<b>GENDER-SENSITIVE PEDAGOGY FOR STEM DISCIPLINES</b> <i>M. Manchenko, A. Parmaxi, E. Christou, A. Economides, M. Perifanou, D.M. Puente Hevia, J. Fernández Valdés, E. Loucaidou, A. Chatzikyriakou, S. Katic, S.C. Vidmar</i>	6047
<b>INTELLIGENT TUTOR USING PERIPHERAL ARTIFICIAL INTELLIGENCE: OPPORTUNITIES AND LIMITS</b> <i>C. Aubeuf</i>	6057
<b>IMPROVING THE QUALITY MANAGEMENT SYSTEM IN A UNIVERSITY CULTURAL CENTER IN ROMANIA</b> <i>L.G. Popescu</i>	6063
<b>INNOVATIVE CONCEPT OF MEDICAL BIOPHYSICS AT THE FM CU IN BRATISLAVA</b> <i>E. Kralova, M. Trnka</i>	6069
<b>CURRICULAR GUIDELINES FOR ICT AND TEACHERS' DIGITAL COMPETENCE: AN EXPLORATORY STUDY IN PORTUGAL</b> <i>F. Castro, M. Lucas</i>	6073
<b>CONCEPTUAL DIMENSIONS IN TECHNOLOGY USE AND ACCEPTANCE MODELS</b> <i>A. Pinheiro, A. Oliveira, B. Alturas</i>	6078
<b>FACTOR ANALYSIS OF INDONESIAN EARLY CHILDHOOD EDUCATORS' DIGITAL COMPETENCE THROUGH ONLINE LEARNING</b> <i>D. Jovanka, U. Kusmawan, Y. Yufiarti, E. Yetti</i>	6086
<b>LEARNING REINFORCEMENT ACTIVITIES APPLIED TO THE SUBJECT PHYSIOLOGY AND PATHOPHYSIOLOGY III IN THE PHARMACY DEGREE OF THE UNIVERSITAT DE BARCELONA: THE OPINION OF THE STUDENTS</b> <i>C. Pelegrí, R. Martín-Venegas, J. Del Valle, Á. Franch, M.E. Juan, L. Miró, J. Olloquequi, J. Vilaplana, R. Ferrer</i>	6094
<b>BUSINESS SCHOOL SERVICE-LEARNING: PROFIT AND NON-PROFIT COMMUNITY PARTNERS' PERCEPTIONS OF BENEFITS</b> <i>D. Cyr, G. Kemp</i>	6102
<b>LEARNING SCENARIOS EXPERIENCES: A CASE STUDY</b> <i>N. Quina, M. Cardoso</i>	6103
<b>DISTANCE TEACHING DURING THE COVID-19 PANDEMIC IN SLOVAKIA AND ITS EVALUATION BY PARENTS</b> <i>S. Barnová, S. Krásna, G. Gabrhelová</i>	6107
<b>IS INTENSIVE BLOCK TEACHING SUCCESSFUL?</b> <i>T. Williams, L. Davies, S. Evans, E. Spender</i>	6112
<b>HISTOZOOMER: AN INTERACTIVE TOOL TO VISUALIZE MICROSCOPIC TISSUE SECTIONS</b> <i>R. Martín-Venegas, M. Riba, J. Campo-Sabariz, J. Del Valle, L. Miró, J. Olloquequi, C. Pelegrí, R. Ferrer, J. Vilaplana</i>	6120
<b>FROM DIGITAL LITERACY TO DIGITAL LITERACIES: MAPPING CONSENTS AND DISSENTS WITHIN THE SCHOOL LIBRARY</b> <i>T.M. Loureiro Cardoso, P.M. Gonçalves</i>	6125
<b>BRINGING INDUSTRIAL INTERNATIONAL STANDARDS TO ICT HIGHER UNIVERSITY EDUCATION</b> <i>G. Sharkov, M. Stoeva</i>	6131

<b>TOWARDS A EUROPEAN IDENTITY: YOUNG PEOPLE'S VIEWS ON IDENTITY FORMATION IN THE CONTEXT OF FORMAL AND INFORMAL EDUCATION</b> <i>A. Romanovska</i>	6139
<b>3D GREEK SIGN LANGUAGE CLASSIFIERS AS A LEARNING OBJECT IN THE SL-REDU ONLINE EDUCATION PLATFORM</b> <i>G. Sapountzaki, E. Efthimiou, S.E. Fotinea, K. Papadimitriou, G. Potamianos</i>	6146
<b>ON ONLINE SELF-CHECKERS OF KNOWLEDGE FROM THE INTRODUCTORY MATHEMATICAL SUBJECT IN THE 1ST SEMESTER OF UNDERGRADUATE PROFESSIONAL STUDIES IN ELECTRICAL AND CIVIL ENGINEERING</b> <i>M. Orlić Bachler, L. Marohnić, B. Kovačić</i>	6154
<b>VIDEO LECTURE IN DISTANCE LEARNING DURING COVID-19 PANDEMIC</b> <i>D. Kurtić</i>	6160
<b>TANGIBLE MODELS FOR SCIENTIFIC DISSEMINATION AND PUBLIC ENGAGEMENT: FROM THEORY TO PRODUCTION (ERN AND TORINO SHARPER 2020-2021)</b> <i>U. Zich, M. Pavignano, M. Di Salvo</i>	6161
<b>THE GENRE OF PARODY IN LITERATURE IN PUBLIC AND HIGHER EDUCATION</b> <i>Á. Tárkányi</i>	6171
<b>EARLY STUDENT DETECTION FOR IMPROVEMENT OF ACADEMIC RESULTS USING MACHINE LEARNING MODELS</b> <i>C. Lancho, M. Cuesta, I. Martín de Diego, E.L. Cano, A. Fernández-Isabel, J. Gómez Miguel</i>	6177
<b>THE NEXT GENERATION CLASSROOM RE-CONCEIVED</b> <i>P. Lane, R. Lafferty</i>	6186
<b>THE PROFESSIONAL PORTFOLIO AS A LEARNING STRATEGY - PREPARATION FOR SELECTIVE RECRUITMENT PROCESSES</b> <i>D. Baptista, S. Pita</i>	6191
<b>USING VIDEOS TO ENHANCE FOREIGN LANGUAGE COMMUNICATIVE COMPETENCE</b> <i>S. Pita, D. Baptista</i>	6198
<b>PROMOTING SUSTAINABLE DEVELOPMENT IN CHEMISTRY DEGREE: IMPLEMENTATION OF AN E-LEARNING PLATFORM</b> <i>I. Ruiz de Larramendi, B. Artetxe, U. Uria, E. Goikolea, S. Perez-Yañez, L. Prieto, M.L. Carrillo, G. Beobide, J.L. Vicario, A. Luque, O. Castillo, J.M. Gutierrez-Zorrilla, E. Reyes</i>	6204
<b>THE FINANCIAL LITERACY COMPETENCY MAP OF LIBRARIANS</b> <i>P. Kiszl</i>	6209
<b>REMOTE LEARNING AS THE ACTUALITY OF THE PANDEMIC (COVID-19) SITUATION: THE HIGHER SCHOOL LECTURERS' ATTITUDE</b> <i>R. Kazlauskaite Markeliene, V. Giedraityte</i>	6219
<b>SOCIAL AND DIGITAL MEDIA IN EDUCATION</b> <i>T. Limba, L. Lelešienė, S. Novogreckas</i>	6220
<b>ATTITUDES OF PRESCHOOL TEACHERS AND ASSISTANTS TOWARDS INCLUSIVE EDUCATION IN SLOVAKIA</b> <i>V. Kušnírová, I. Rochovská, M. Čarnická</i>	6227
<b>SELECTED FAMILY CHARACTERISTICS IN RELATION TO THE CHOICE OF THE CHILD'S PRESCHOOL EDUCATION</b> <i>L. Kremenkova, J. Kvintová, J.S. Novotný, R. Cuberek, J. Petrová</i>	6235
<b>IMPLICATIONS ON STUDENT TRAINING AND DEVELOPMENT AS A RESULT OF MULTIGRADE SCHOOLING</b> <i>I. Acatrinei, D. Opriş</i>	6244
<b>VIRTUAL IMMERSIVE SIMULATIONS TO PROMOTE PRACTICE READINESS TO FULL SCOPE FOR PHARMACY AND PHARMACY TECHNICIAN STUDENTS: A COLLABORATIVE APPROACH</b> <i>A. Bjelajac Mejia, L. Singh, F. Fan, R. Keay</i>	6251
<b>COORDINATED DIDACTIC APPROACH FOR THE DISCIPLINES OF ARCHITECTURE</b> <i>R. Franchino, C. Frettoloso, N. Pisacane</i>	6252
<b>THE ROLE OF ENVIRONMENTAL DESIGN FOR THE RESILIENT CITY: EDUCATIONAL EXPERIENCES</b> <i>R. Franchino, C. Frettoloso, S. Rinaldi</i>	6262
<b>REFLECTIONS ON ONLINE TEACHING IN CZECH SCHOOLS DURING THE COVID-19 PANDEMIC</b> <i>A. Jůvová, O. Duda</i>	6272



<b>INNOVATION IN TOURISM HIGHER EDUCATION: A PROJECT-BASED APPROACH TO VILLAGE TOURISM</b> <i>C. Melo, C. Mouta, P. Pereira</i>	6283
<b>ONLINE TEACHER TRAINING AND SUPPORT: LESSONS LEARNT FROM A COLLABORATIVE DIGITAL LEARNING PROJECT</b> <i>N. Nguyen Thi Hong</i>	6289
<b>PROMOTING ORAL INTERACTION OF YOUNG LEARNERS: A TASK-BASED APPROACH</b> <i>I. Ferreira, M. Morgado, C. Guimarães</i>	6293
<b>USE OF CLOUD SERVICES IN THE EDUCATION PROCESS AT THE UNIVERSITY OF ZILINA</b> <i>J. Tengler, E. Madudova, M. Müller, A. Kostal</i>	6302
<b>ANALYSING INCLUSIVE GROUPS' PEER INTERACTIONS USING MOBILE EYE TRACKING IN EDUCATIONAL CONTEXT</b> <i>C. Suero Montero, B. Çağıltay, K. Dindar, E. Kärnä, A. Kilpiä, K. Pihlainen, A. Kämäräinen</i>	6303
<b>GLOBAL OPPORTUNITIES FOR ACADEMIC COOPERATION: PRACTICAL ASPECTS</b> <i>E. Zdravkova-Velichkova, T. Trencheva, S. Denchev, E. Nencheva</i>	6313
<b>EMERGING ADULTHOOD IN THE LIFE OF YOUNG PEOPLE</b> <i>T. Hormandlová</i>	6319
<b>THE TRIPLE HELIX MODEL IN SPAIN: RELATIONSHIPS BETWEEN UNIVERSITY, INDUSTRY AND GOVERNMENT</b> <i>E.C. Dittmar, D. López Jiménez</i>	6324
<b>KEEPING STUDENTS ENGAGED – FINDING TECHNIQUES TO KEEP STUDENTS' ATTENTION DURING ONLINE LEARNING</b> <i>N. Stalmasekova, J. Fabus</i>	6325
<b>ANALYSIS OF TEACHING AND LEARNING RESOURCES USED BY TERTIARY EDUCATION STUDENTS AND CHARACTERISTICS LEADING TO THE DEVELOPMENT OF THE STUDENTS' CRITICAL THINKING SKILLS</b> <i>J. Kojdecká, A. Hrušková, I. Červenková, M. Václavík</i>	6331
<b>TEACHING MICRO-ARCHITECTURE</b> <i>D.S. Opincariu, A. Pop, A.E. Voinea</i>	6332
<b>WORKPLACE ETHICS AND EQUALITY WITHIN THE ACADEMIA: THE #METOO STORIES FROM ICELAND</b> <i>S.L. Einarsdóttir, E. Svansson</i>	6340
<b>ORGANIZATIONAL LEARNING STRUCTURES CONTRIBUTING TO SUCCESSION PLANNING: ACTION RESEARCH IN FAGOR AUTOMATION S.COOP</b> <i>N. Sánchez Urien, J.L. Alonso Andreano, U. Castaño Benito</i>	6341
<b>MONDRAGON ZTIM-HUB: THE COLLABORATIVE NETWORK FOR THE DEVELOPMENT OF STEM VOCATIONS</b> <i>M. Anaya, J. Iriondo, M. Vivar, M. Otaegi, P. González, A. Bilbao, N. Errasti</i>	6351
<b>SPECIAL NEEDS TEACHERS AND THEIR PERSPECTIVE OF INCLUSIVE EDUCATION</b> <i>T. Hormandlová, T. Čech, S. Dobešová Čakirpaloglu</i>	6359
<b>ARCHITECTURE EDUCATION: A PLACE OF IDENTITY TRANSITION AND PROFESSIONAL TRANSFORMATION</b> <i>A.E. Voinea</i>	6363
<b>FORMATIVE EVALUATION FOR IMPROVING DEEP LEARNING ON SOCIAL AND EMOTIONAL COMPETENCES: A CASE STUDY OF AN IN-SERVICE TEACHER TRAINING</b> <i>S. Patera</i>	6371
<b>WE WANT TO BE ENGIN@RS: EARLY STAGE STEM MOTIVATING ACTIONS</b> <i>R. Vilanova, C. Fernández-Córdoba, J. Lopez Vicario, A. Espinosa Morales</i>	6381
<b>ACADEMIA-INDUSTRY COOPERATION FOR THE THERAPY OF ALZHEIMER AND MILD DEMENTIA: A SHARED TRAINING AND RESEARCH PROJECT</b> <i>M.E. Romero, G. Borgia, M. Bresciani</i>	6389
<b>USAGE OF DIGITAL PLATFORMS FOR E-LEARNING DURING THE COVID-19 PANDEMIC: THE CASE OF ECUADOR</b> <i>A. Pérez Avellaneda, D. Cueva, M. Martínez-Gómez</i>	6396
<b>DESIGN THINKING AND CREATIVITY IN DEVELOPING DIGITAL COMPETENCIES IN PUBLIC ADMINISTRATION</b> <i>M. Bogdanova, E. Parashkevova</i>	6401

<b>REMOTE WEB CONTROL OF AC MOTOR BY ESP8622</b>	6410
<i>D. Zlatanski, N. Vakrilov</i>	
<b>SERVICE-LEARNING IN PHARMACOLOGY AND TOXICOLOGY AS A STRATEGY FOR THE SELF-PROCESS OF LEARNING ABOUT THE KNOWLEDGE OF MEDICINES AND DRUGS OF ABUSE</b>	6415
<i>A. Bocanegra, A. Garcimartin, A. García-Aguilar, L.M. Bedoya Del Olmo, J.A. Guerra Guirao, J.J. Merino Martín, R. Redondo-Castillejo, M. Hernández-Martín, I. Ureña-Vacas, F.J. Manzano-Lista, E. González Burgos</i>	
<b>DESIGN RESEARCH METHODOLOGY: INNOVATION FROM ACADEMY TO MARKET</b>	6422
<i>S. Testa, A. Cappellieri, L. Tenuta, B. Rossato, F. Antinarelli Freitas</i>	
<b>APPLIED SYSTEMS THINKING AS A LEVER TO IMPROVE LEARNING IN THE COMPLEX SYSTEMS AND COMPLEXITY STUDIES FIELDS</b>	6428
<i>G.L. Dugarte-Peña, E. Muñoz-García, C.G. García-Rodríguez</i>	
<b>ADVERSE IMPACT OF DISTANCE LEARNING ON STUDENTS' ACHIEVEMENT DURING THE COVID-19 PANDEMICS</b>	6434
<i>E. Turska, M. Kowalski</i>	
<b>VIRTUAL EXCHANGE AS AN INSTRUCTIONAL DESIGN APPROACH TO PROMOTING CRITICAL SKILLS IN HIGHER EDUCATION: A CASE STUDY OF PROJECT-BASED COLLABORATION ON "SOCIAL ROBOTS IN EDUCATION"</b>	6435
<i>I. Buchem, M. Leiba</i>	
<b>CRITICAL THINKING: AN EXPERIENCE WITH PRE-SERVICE TEACHERS</b>	6441
<i>L. Fonseca</i>	
<b>EDUCATIONAL TOOLS FOR BIBLIOGRAPHICAL RESEARCH IN COLLABORATION WITH STUDENTS</b>	6447
<i>P. Mukanova</i>	
<b>THE IMPACT OF LEARNING MANAGEMENT SYSTEMS ON STUDENT ACHIEVEMENT AND ENGAGEMENT IN ONLINE CLASSROOMS</b>	6451
<i>I. Pesovski, A. Klashninovski, A.M. Makeska, V. Trajkovic</i>	
<b>FOSTERING STUDENT AGENCY IN TOURISM EDUCATION: EXAMPLES FROM THE TOURISM AND HOSPITALITY FIELD</b>	6457
<i>S. Vasconcelos, A. Melo, C. Melo, C. Mouta</i>	
<b>PYTHAGOREAN THEOREM IN CLASSROOM THROUGH A LEARNING OBJECT</b>	6462
<i>M. Teixeira, A.P. Aires, H. Campos</i>	
<b>GENDERED CAREER PATHWAYS OF DOCTORATE HOLDERS: A SYSTEMATIC LITERATURE REVIEW</b>	6470
<i>C. Soares, T. Carvalho</i>	
<b>USUAL OR VIRTUAL PROTRACTOR? A STUDY WITH 5TH GRADE STUDENTS</b>	6480
<i>E. Sacramento, H. Campos, A.P. Aires</i>	
<b>ANALYSIS OF THE USEFULNESS OF PHARMACOLOGY VIDEOS TO ENCOURAGE ACTIVE LEARNING AND KNOWLEDGE TRANSFER</b>	6485
<i>A. García-Aguilar, A. Bocanegra, E. González Burgos, L. García-García, M.S. Fernández-Alfonso, I. Ureña-Vacas, M. Hernández-Martín, R. Redondo-Castillejo, F.J. Manzano-Lista, A. Garcimartin</i>	
<b>THE CONTINUING PROFESSIONAL DEVELOPMENT OF TEACHER-EDUCATORS AS RESEARCHERS</b>	6490
<i>N. Chamo, D. Patkin</i>	
<b>VIRTUAL PATIENT: A WEB-BASED PLATFORM FOR THE TRAINING OF MEDICAL STUDENTS IN PATIENT CONSULTATION DURING A LOCKDOWN</b>	6491
<i>I.A. Awada, A. Sorici, M. Drăgoi, A.M. Florea, A. Scafa-Udriște</i>	
<b>ADAPTATION OF THE RESEARCH TOOL MEASURING CRITICAL THINKING IN UNIVERSITY ENVIRONMENT</b>	6498
<i>I. Koribská, Š. Chudý, J. Plischke</i>	
<b>ESCAPE GAME AS A METHODOLOGICAL TOOL FOR TRAINING THE LAY POPULATION IN FIRST AID</b>	6499
<i>C. Nóvoa Fernandes, L. Vasconcelos Barreto de Carvalho, J. Teixeira Nicolosi, A. Bongiovani, N. Alencar Salmeron</i>	
<b>TESLA COIL – CONSTRUCTION PROJECT – EDUCATIONAL APPLICATION</b>	6504
<i>S. Skok, L. Havaš, T. Horvat, A. Šumiga</i>	
<b>SOLIDS AR VERSUS GEOMETRY AR: AUGMENTED REALITY TO TEACH GEOMETRY</b>	6511
<i>C. Fernandes, H. Campos, A.P. Aires</i>	
<b>EMPLOYABILITY SKILLS: ENHANCING THE KNOWLEDGE ABOUT MARKETING JOB ADVERTISEMENTS POSTED ON LINKEDIN</b>	6520
<i>I. Machado, C. Neves, M. Ferreira</i>	

<b>DESMOS A DIGITAL RESOURCE TO LEARN LINEAR FUNCTION</b>	6525
<i>M. Carneiro, A.P. Aires, H. Campos</i>	
<b>THE EFFICIENCY OF USING GAMES IN THE TEACHING AND LEARNING PROCESS ABOUT BURN VICTIMS</b>	6534
<i>C. Nóvoa Fernandes, L. Ferreira Marcolan, S. Rodrigues Rosado</i>	
<b>CITATION USAGE AS A PREDICTOR OF ACADEMIC PERFORMANCE IN STUDENT ACADEMIC WRITING</b>	6540
<i>E. Walsh, E. Nikolaou</i>	
<b>THE RELATIONSHIP BETWEEN PARENTS AND OLDER ADOLESCENTS: A PARENTAL VIEW</b>	6547
<i>R. Petani</i>	
<b>WEARING NATURE'S COLORS: FROM RESEARCH TO EDUCATIONAL EXPERIMENTATION</b>	6557
<i>A. Violano, M. Cannaviello, M. Merola</i>	
<b>SOLVING PROBLEMS USING THE ENGINEERING DESIGN PROCESS THROUGH A STEAM PERSPECTIVE</b>	6565
<i>I. Vale, A. Barbosa, A. Peixoto, F. Fernandes</i>	
<b>MEASURING THE EFFECT OF USING PSEINT AS A TOOL TO IMPROVE THE INTRODUCTION OF STUDENTS TO PROGRAMMING: TWO COMPARATIVE SCENARIOS</b>	6572
<i>C.G. García-Rodríguez, G.L. Dugarte-Peña</i>	
<b>AWARENESS RAISING THROUGH THE USE OF TECHNOLOGICAL MEDIA IN HIGHER EDUCATION</b>	6573
<i>S. Montañez, E. Flores</i>	
<b>THE BIG FIVE AND TEACHING PREFERENCES IN NATURE-HUMAN-SOCIETY</b>	6578
<i>R. Tschiesner, A. Pahl</i>	
<b>HOW STUDENTS' LEARNING STYLES AFFECT THEIR PERCEPTIONS ON THE ASYNCHRONOUS MODE OF A MECHANICAL ENGINEERING COURSE</b>	6587
<i>P. Zalimidis, K. Papanikolaou, V. Spitas, L. Gomatos, G. Vasileiou</i>	
<b>OPEN DISTANCE TEACHING PRACTICES IN PANDEMIC TIMES: DEVISING A SIMPLIFIED VIRTUAL PEDAGOGIC MODEL FOR THE UNIVERSITY OF SAINT JOSEPH IN MACAU, CHINA</b>	6593
<i>A. Fernandes-Marcos</i>	
<b>QUALITY ASSURANCE AS A TOOL TO ENHANCE STUDENT-CENTRED LEARNING IN MILITARY HIGHER EDUCATION – CASE STUDY IN PORTUGUESE NAVAL ACADEMY</b>	6604
<i>J. Ricardo, I. Soares</i>	
<b>SENSATION SEEKING AND COPING IN YOUNG ADULTS</b>	6608
<i>R. Tschiesner, M.E. Moretti, J. Happacher</i>	
<b>DISTANCE LEARNING. FRIEND OR FOE?</b>	6615
<i>R. Tammaro, A. Notti, I. Stasio, R. Scarano</i>	
<b>THE EVOLUTION OF E-ME DIGITAL EDUCATIONAL PLATFORM AND EXPERIENCES FROM ITS NATION-WIDE USE IN SCHOOLS DURING COVID-19 PANDEMIC</b>	6619
<i>E. Megalou, Y. Tsilivigos, C. Kaklamanis, A. Politi</i>	
<b>EDUCATION AS AN AVENUE FOR STUDENTS' ETHICAL BEHAVIOR</b>	6629
<i>S. Gomes, M. Nogueira, C. Neves, F. Pinto dos Santos</i>	
<b>LOOKING FOR THE ADDED VALUE OF VAR FOR TEACHERS' LEARNING GOALS</b>	6638
<i>A. Weizman</i>	
<b>DEVELOPMENT OF DIGITAL COMPETENCES IN BIOLOGY EDUCATION IN PRIMARY AND SECONDARY SCHOOLS</b>	6639
<i>A. Mišianiková, A. Lešková, Z. Boberová, I. Slepáková, K. Kimáková</i>	
<b>EXPLORING THE POTENTIAL OF EDUCATIONAL ANIMATION TO IMPROVE THE LEARNING PROCESS IN MECHANICAL ENGINEERING COURSES</b>	6640
<i>P. Zalimidis, K. Papanikolaou, L. Gomatos, V. Spitas, G. Vasileiou</i>	
<b>INSTRUCTIONAL DESIGN FOR HIGH SECURE SOFTWARE</b>	6648
<i>A. Aleksieva-Petrova, M. Petrov</i>	
<b>EXPERIENTIAL LEARNING OF CROATIAN PUBLIC RELATIONS' GRADUATE STUDENTS BY DOING ETHNOGRAPHIC RESEARCH IN THE HELPING PROFESSIONS</b>	6655
<i>I. Ivancevic, K. Samec, Z. Bagaric</i>	

<b>GOOD PRACTISE OF EDUCATION IN THE FIELD OF CLIMATE CHANGE</b> <i>M. Titko, J. Studená</i>	6664
<b>THE ART OF TEACHING AND THE METHODOLOGICAL EXPERTISE OF TEACHERS AND TRAINERS</b> <i>R. Tammaro, A. Notti, I. Stasio, D. Gragnaniello</i>	6670
<b>MODELING COMPUTATIONAL THINKING TEACHING THROUGH CREATIVE LEARNING</b> <i>A. Weizman</i>	6674
<b>ANALYSIS OF THE POSSIBILITIES OF IMPLEMENTING THE RESULTS OF RESEARCH ACTIVITIES INTO THE TEACHING OF THE MODERNIZED STUDY PROGRAM CRISIS MANAGEMENT</b> <i>S. Strelcová, A. Kelíšek, M. Titko, V. Moricová</i>	6675
<b>SCHOOL SPEECH AS A SPECIFIC COMMUNICATION DISCOURSE IN THE OPTICS OF CORPUS LINGUISTICS</b> <i>K. Rysová</i>	6681
<b>LEADERSHIP AND COMMUNICATION DEVELOPMENT IN ACADEMIC CONTEXT: CASE STUDY AT PORTUGUESE NAVAL ACADEMY</b> <i>F. Rodrigues, I. Soares</i>	6689
<b>ALGORITHMIC THINKING AND CREATIVITY: A DECK OF CARDS FOR EARLY CHILDHOOD EDUCATION</b> <i>M. Figueiredo, V. Alves, D. Gomes, S. Amante, C. Sousa, H. Gomes, R.P. Duarte, C. Gomes, B. Rego, I. Gencel</i>	6696
<b>FOSTERING AUTONOMY OF UNIVERSITY STUDENTS IN THE ACQUISITION OF FRENCH LANGUAGE SKILLS THROUGH ASSESSMENT AND PERSONALISED TUTORING</b> <i>A. Ruyffelaert</i>	6706
<b>DETERMINING THE LEVEL OF READING LITERACY OF PRIMARY SCHOOL PUPILS IN THE CONTEXT OF THE CURRICULUM IN THE CZECH REPUBLIC</b> <i>M. Fasnerová, J. Petrová</i>	6711
<b>MIDDLE SCHOOL MATHEMATICS TEACHERS' PROFESSIONAL NOTICING: THE CASE OF REPRESENTATION OF FRACTIONS ON THE NUMBER LINE</b> <i>F.I. Karataş Aydin, M. Işıksal-Bostan, R. Tekin-Sitrava, S. Yemen-Karpuzcu</i>	6716
<b>HIGH-TECH AUGMENTATIVE AND ALTERNATIVE COMMUNICATION (AAC): A LONGITUDINAL STUDY ON THE USING VERSUS ABANDONMENT OF AN AAC SYSTEM</b> <i>S. Vita, J. Peluso, A. Mennitto, L. Iovino</i>	6722
<b>UNIVERSITY STUDENTS' PREFERENCES OF USING VERBAL AND NONVERBAL COMPONENTS WHEN LEARNING FROM TEXT</b> <i>I. Červenková, J. Kojdecká, A. Hrušková, Z. Sikorová</i>	6729
<b>CITIZEN EMPOWERMENT OF IMMIGRANT WOMEN IN BELGIUM THROUGH DIGITAL LITERACY</b> <i>D. Cauchie, M. Bruyninckx, C. Balfroid</i>	6738
<b>EXPERIENCES TO KEEP UNIVERSITY STUDENTS ENGAGED AND AVOID STUDENT DROP-OUT: SOME BEST PRACTICE EXAMPLES FOR FRENCH STUDIES</b> <i>A. Ruyffelaert</i>	6746
<b>AI LITERACY IN K-12 INFORMATICS EDUCATION</b> <i>S. Mladenovic, B. Lisnic, D. Krpan</i>	6752
<b>SUPPORT FOR SCHOOL LEADERS AND DIGITAL COORDINATORS IN THE FIELD OF LEADERSHIP AND PERSONAL DEVELOPMENT</b> <i>A. Mišianiková, V. Hubeňáková, V. Grohová, D. Šveda, M. Kireš</i>	6758
<b>EXPERIMENTING WITH FORM. TEACHING ARCHITECTURE STUDENTS DESIGN BASICS THROUGH A REAL PROJECT</b> <i>L. Patachi, A.E. Voinea, L. Vartic</i>	6759
<b>AXT@TEEN: EVOLVING AN IT LOCAL SUMMER CAMP INTO A NATION-WIDE TECHNOLOGY AND ASPIRATIONAL TRAINING DURING COVID 19 PANDEMIC, A MEXICAN CASE OF STUDY FOR DIGITAL TRANSFORMATION IN EDUCATION</b> <i>S. Ramirez-Ramirez, O.M. Barron-Cano, P. Zambrano-Robledo, L.R. Salgado-Garza, S. Barrera-Aldana</i>	6764
<b>SUCCESSFUL E-TEACHING: INSIDERS' VIEWPOINTS</b> <i>M. Petrova, A. Zhuchenko</i>	6772
<b>LEARNING FROM THE STUDENTS. AN ANALYSIS OF THE FEEDBACK ON OUTGOING ERASMUS MOBILITIES</b> <i>L. Patachi</i>	6777

<b>THE TAXONOMY OF INFORMATICS TEACHERS COMPETENCIES</b>	6782
<i>S. Mladenovic, A. Granic, M. Mladenovic</i>	
<b>AI IN DEVELOPING THE METACOGNITIVE SKILLS IN ENGINEERING EDUCATION- A LITERATURE REVIEW</b>	6788
<i>J. Gadad, M. Vijayalakshmi</i>	
<b>ONE SIZE FITS ALL? FUTURE SKILLS IN HIGHER EDUCATION – LESSONS LEARNED</b>	6793
<i>Y. Sedelmaier, E. Erculei, D. Landes</i>	
<b>PROGRAMME FOR NUTRITION EDUCATION: DEVELOPMENT OF SCIENTIFIC COMPETENCE BY HIGH SCHOOL STUDENTS</b>	6804
<i>M. Vázquez-Polo, G. Perez-Junkera, S. Matías, L. Cantero, A. Lasa, M.A. Bustamante, O. Martínez, J. Miranda, I. Larretxi, E. Simón, I. Txurruka, V. Navarro</i>	
<b>THE PEDAGOGICAL VARIATION MODEL (PVM, ROGERS, 2013): OVERCOMING ATTRITION RATES BY INCREASING RETENTION OF AN ORGANIC CHEMISTRY CLASS BY REMOTE LEARNING IN POST-PANDEMIC TIMES</b>	6811
<i>M.S. Rogers, A. Grunewald Nichele</i>	
<b>JUST BEFORE INTERNSHIP PRE-SERVICE TEACHER PEDAGOGICAL ISSUES</b>	6821
<i>R. Peled, S. Hardof-Jaffe</i>	
<b>APPLYING ITIL PRINCIPLES AT UNIVERSITY</b>	6823
<i>K. Kaloyanova</i>	
<b>COMPUTATIONAL THINKING AND MATHEMATICS LEARNING: AN EXPERIENCE IN A PRE-SERVICE TEACHERS COURSE</b>	6831
<i>S. Martins</i>	
<b>CASE STUDY ON STUDENTS' PERCEPTION OF ONLINE LEARNING DURING THE COVID-19 PANDEMIC: CHALLENGES AND INTERFERENCES</b>	6841
<i>A. Zhuchenko</i>	
<b>PERSONALITY DEVELOPMENT BY IMPLEMENTING THE PHILOSOPHY FOR CHILDREN PROGRAMME</b>	6846
<i>S. Borisová, G. Pintes</i>	
<b>REMOTE SCHOOLING AND DISABILITIES: PERCEPTION AND ROLE OF THE FAMILIES DURING THE COVID-19 PANDEMIC EMERGENCY</b>	6852
<i>V. Benigno, M. Allegra, G.P. Caruso, A. Chifari, M. Gentile, G. Fulantelli, L. Ferlino</i>	
<b>DESIGNING AN INNOVATIVE MOBILE-ENABLED CONTINUOUS PROFESSIONAL DEVELOPMENT SOLUTION FOR TEACHERS</b>	6862
<i>A. Gohar</i>	
<b>IMPACT OF COVID-19 ON LEARNING IN HIGHER EDUCATION ACCORDING TO TEACHING MODALITY</b>	6868
<i>J. Palací López, M.I. López Rodríguez, D. Palací-López</i>	
<b>COMPETENCY BASED AND TECHNOLOGICALLY ENHANCED TEACHING AND LEARNING: COLLABORATIVE VIRTUAL ENVIRONMENT AND TUNING METHODOLOGY</b>	6874
<i>G. Zakirova, S. Rakhmetulayeva, Y. Daineko</i>	
<b>MILAGE LEARN+: PERSPECTIVE OF TEACHERS</b>	6882
<i>L. Almeida, M. Figueiredo, M.H. Martinho</i>	
<b>IMPACT OF THE HEALTH ALARM ON THE TEACHING-LEARNING PROCESS IN UNDERGRADUATE AND POSTGRADUATE STUDIES</b>	6888
<i>M.I. López Rodríguez, J. Palací López, D. Palací-López</i>	
<b>TRANSFORMATION OF FAMILY EDUCATION AND PARENT EDUCATION IN SLOVAKIA</b>	6894
<i>D. Dvorská, S. Dončevová, Z. Hrcán, J. Medvedová, S. Barnová</i>	
<b>DYNAMIC E-SKILLS DEVELOPMENT FOR FOREIGN LANGUAGES EDUCATION IN THE EMERGENCY DIGITIZATION PARADIGM</b>	6900
<i>R. Makhachashvili, I. Semenist</i>	
<b>PRACTICAL TRAINING IN COMMUNICATION SCIENCES - AN IMPORTANT FACTOR IN EXPANDING THE COMMUNICATION CAPACITY OF STUDENTS</b>	6908
<i>M. Atanasova</i>	
<b>DEVELOPING FOREIGN-LANGUAGE SOCIOCULTURAL COMPETENCE OF LEARNERS: POSSIBILITIES OF INTERDISCIPLINARY STUDY COURSES</b>	6912
<i>I. Dvorceka, A. Stankeviča</i>	
<b>EVOLUTION OF CORPORATE SOCIAL RESPONSIBILITY IN SPAIN: CONNECTION WITH THE EDUCATION SECTOR</b>	6916
<i>D. López Jiménez, E.C. Dittmar</i>	

<b>A CURRENT LOOK AT THE PLANNING OF THE 1978-1979 SCHOOL YEAR OF A PRIMARY SCHOOL TEACHER</b> <i>P. Catarino, A. Soares, A. Andrade</i>	6917
<b>RESHAPING NARRATIVE OF SCHOOLING IN PAKISTAN THROUGH TECHNOCENTRIC DISCOURSE: AN ANECDOTAL THOUGHT</b> <i>A. Gohar</i>	6927
<b>ADAPTATION PROCESS OF PUPILS AFTER STARTING PRIMARY SCHOOL</b> <i>J. Petrová, M. Fasnerová, J. Kvintová, L. Křeménková</i>	6932
<b>THE RELATIONSHIP BETWEEN CRITICAL THINKING AND MORAL REASONING IN THE CONTEXT OF THE 'PHILOSOPHY FOR CHILDREN' PROGRAMME</b> <i>S. Borisová, G. Pintes</i>	6939
<b>CREATIVITY IN THE COMMUNITY FOR HEALTH AND WELL-BEING: SOCIAL PRESCRIBING "ART-ON-PRESCRIPTION"</b> <i>M.S. Rogers, J.P.D. Rogers, H. Tilley</i>	6944
<b>ADULT EDUCATION AS A POSSIBLE DIRECTION FOR THE DEVELOPMENT OF SOCIAL WORK EDUCATION</b> <i>L. Veková</i>	6953
<b>EDUCATIONAL AND TECHNOLOGICAL SOLUTIONS TO SUPPORT "SMALL SCHOOLS" IN DISTANCE LEARNING SETTINGS: EVIDENCE FROM THE ITALIAN CONTEXT</b> <i>E. Dalla Mutta, V. Benigno, C. Fante, G. Mangione</i>	6959
<b>LEARNING WITH MOOCS: LEARNERS' EXPERIENCE IN A BLENDED MASTER'S PROGRAM USING MITX MICROMASTERS COURSES</b> <i>G. Stump, N. Castro, B. Muramatsu</i>	6968
<b>INTEGRA BIOFIS 5.0, A COLLABORATIVE, PARTICIPATORY AND INTERDISCIPLINARY EXPERIENCE FOR UNDERGRADUATES IN NURSING</b> <i>N. Rodríguez-Henche, L. Calleros, M. Saura, I.D. Román, L. Muñoz-Moreno, A.M. Bajo</i>	6977
<b>VIRTUALIZED LABS WITH XR ENDPOINTS FOR PRACTICAL TRAINING IN PHOTONICS</b> <i>J. Kretzschmar, F. Sojka, J. Domke, C. Henkel, C. Helgert, T. Pertsch</i>	6983
<b>PROPOSAL OF METHODOLOGY FOR TEACHING SUBJECTS RELATED TO PROGRAMMING SKILLS IN THE CASE OF ONLINE TEACHING</b> <i>A. Radovan, B. Mihaljević, D. Petrović, M. Piškor</i>	6988
<b>ADAPTING COLLABORATIVE HANDS-ON ACTIVITIES FOR REMOTE LEARNING</b> <i>J. Mullen, L. Milechin</i>	6992
<b>ANALYSIS AND COMPARISON OF THE EFFICIENCY OF THE HIGHER EDUCATION SYSTEM OF EUROPEAN COUNTRIES USING DATA ENVELOPMENT ANALYSIS</b> <i>A. Marcikic Horvat, B. Radovanov, O. Sedlak, Z. Ciric, R. Korhec</i>	7002
<b>EDUCATION FOR THE VALUE OF RULE OF LAW IN THE EUROPEAN UNION</b> <i>M.M. Silva, D. Alves</i>	7008
<b>VIRTUALIZATION OF COMPUTER NETWORK LAB EXPERIMENTS TO OVERCOME LIMITATIONS OF SOCIAL DISTANCE</b> <i>R. Silveira, G. Bressan, C. Margi</i>	7015
<b>HERBARIUM AS EDUCATIONAL AND INTERDISCIPLINARY RESOURCES: UTAD BOTANICAL GARDEN</b> <i>A. Andrade, P. Catarino, A. Soares</i>	7021
<b>DEMOCRATIZATION OF KNOWLEDGE IN SOCIAL WORK EDUCATION WHILE EMBEDDING SERVICE-LEARNING</b> <i>M. Gruslyté</i>	7029
<b>ON THE USE OF REALISTIC ENVIRONMENTS BASED ON LOW-COST HARDWARE DEVICES FOR LABORATORY PRACTICES</b> <i>Y. Blanco Archilla, A. Pérez Yuste, D. Luengo García, J.D. Oses Del Campo</i>	7035
<b>CREATION OF A SERIOUS VIDEOGAME PROTOTYPE "THE ENGINEER" IN THE DIGITAL AGE TO PROMOTE ENGINEERING ENGLISH IN HIGHER EDUCATION</b> <i>C. Girón-García, R. Casañ-Pitarch, C. Holgado-Sáez, J. Haba-Osca</i>	7044
<b>COMPARISON OF WEB ACCESSIBILITY TEACHING IN DIFFERENT HIGHER EDUCATION INSTITUTIONS</b> <i>S. Luján-Mora, C. Cachero, S. Meliá</i>	7052
<b>THE NEED FOR TRAINING IN TRACKING AND LOCALIZATION SYSTEMS FROM A SECURITY PERSPECTIVE</b> <i>M. Boroš, A. Velas, Z. Zvakova</i>	7062

<b>VISUAL LITERACY IN PRESCHOOL</b>	7067
<i>P. Josefsson</i>	
<b>EMOTONGUE, AN APPLICATION FOR SMARTPHONES DESIGNED TO MEASURE EMOTIONS IN NATURAL CONTEXTS</b>	7072
<i>L. Bruno, A. Iborra Cuéllar</i>	
<b>TEACHING SOFTWARE SKILLS USING A FREELY ACCESSIBLE LEARNING SPACE - AN OER APPROACH</b>	7073
<i>A.K. Mertineit, K. Schaper, C. Bohrmann-Linde, D. Burdinski, B. Zulauf, N. Meuter, H. Hackrad, R. Kremer</i>	
<b>THE INTRODUCTION OF DIDACTIC MATERIALS FOR PHILOSOPHY TEACHING AIMED AT THE STUDENT'S UNDERSTANDING AND CRITICAL THINKING DEVELOPMENT</b>	7082
<i>Z. Cieslarová, M. Číhalová, T. Hubálek</i>	
<b>STUDY OF THE IMPACT OF TECHNOLOGY IN PRIMARY AND LOWER SECONDARY SCHOOL</b>	7089
<i>T. Tonova, S. Ivanov</i>	
<b>TEACHING 'SEXUALITY, CONSENT AND RELATIONSHIP' IN BIOLOGY CLASS - SWEDISH TEACHER EDUCATION, YEARS 4-6</b>	7096
<i>A. Didon, P. Josefsson</i>	
<b>BUILDING OUR FUTURE, A COLLABORATIVE, PARTICIPATORY AND MOTIVATING EXPERIENCE FOR UNDERGRADUATES IN CHEMISTRY</b>	7097
<i>I.D. Román, A. Domingo, C. Menor-Salván, L. Muñoz-Moreno, A.M. Bajo</i>	
<b>STEM STUDENTS SOLVING ACTUAL PROBLEMS FROM BUSINESS, INDUSTRY, AND GOVERNMENT</b>	7102
<i>M. Dorff, S. Weekes</i>	
<b>SOCIAL REPRESENTATION ON ENGLISH, RUSSIAN AND NATIVE LANGUAGES IN INTERNATIONAL UNIVERSITY STUDENTS</b>	7103
<i>A. Berisha, N. Berisha, I. Novikova, A. Novikov, A. Barkhudarov</i>	
<b>PUPILS WITH DYSLEXIA IN THE EDUCATIONAL PROCESS</b>	7109
<i>J. Petrová, M. Fasnerová</i>	
<b>THE AMAZING RACE TO KNOWLEDGE: TEAM-BASED GAMES AND CREATIVITY IN THE CURRICULUM OF MEDICINE STUDIES</b>	7117
<i>M. Gouzman Allouche</i>	
<b>THE SOUND OF SCIENCE(S): A SOUND-BASED PROJECT FOR INCLUSIVE STEAM EDUCATION AND SCIENCE COMMUNICATION</b>	7130
<i>G. Eramo, V. Rossini, S. Pastore, A. Muschitiello, A. Monno, E. Mesto, V. Tomaselli, R. Wagenommer, M. De Tullio</i>	
<b>A SKETCH TO STIMULATE THE MIND: EDUCATIONAL EXPERIMENTATION FOR THE AWARE DESIGN</b>	7135
<i>A. Violano, A. Maio, C. Tosato</i>	
<b>CRITICAL AREAS IN THE TEACHING OF PHILOSOPHY – THEIR CAUSES AND OPTIONS OF SOLUTION</b>	7142
<i>Z. Cieslarova, M. Číhalová, T. Hubálek</i>	
<b>USING EDUCATIONAL NEUROSCIENCE AND CULTURALLY RELEVANT TEACHING PRACTICES IN STEM EDUCATION: CASE STUDY ON BRIDGING THEORETICAL LECTURES TO EXPERIENTIAL EXPERIENCE</b>	7149
<i>R. Darville, S. Doukakis, S. Nikiforos, M. Magioladitis, M. Niari</i>	
<b>DYNAMIC ASSESSMENT OF VOCABULARY DEVELOPMENT THROUGH INTERACTIVE BOOK READING IN LOWER ELEMENTARY SCHOOL GRADES</b>	7157
<i>S. Vanparys, H. Van Keer</i>	
<b>EMPOWERING THE EUROPEAN WORKFORCE THROUGH VIRTUAL SKILLS TRAINING ON INDUSTRIAL IOT: THE SKOPS PROJECT</b>	7165
<i>A. Behravan, N. Bogonikolos, M. Bohlouli, C. Cachero, P. Kaklatzis, B. Kiamanesh, S. Luján-Mora, S. Meliá, M. Mirhaj, R. Obermaisser</i>	
<b>A GENRE-BASED APPROACH TO SPECIALIZED TRANSLATION TRAINING: THE CASE OF A WINE-FOCUSED WORKSHOP</b>	7175
<i>M. Pascual Cabrerizo</i>	
<b>AN EE SENIOR DESIGN LAB PROJECT WITH A FULL PRODUCT CYCLE AMID THE COVID-19 PANDEMIC</b>	7176
<i>L. Lam</i>	

<b>GAMIFICATION IN HIGHER EDUCATION - BECAUSE GAMES KNOW NO AGE LIMIT!</b>	7182
<i>M. Pascual Cabrerizo</i>	
<b>PROBLEM OF USING AUGMENTED REALITY IN SELECTED TASK IN MONGE PROJECTION</b>	7183
<i>V. Ferdiánová, J. Poruba, M. Procházková</i>	
<b>TRANSITIONING E-LEARNING PLATFORM SUBSCRIPTION MODEL TO FLEXIBILITY – SPLIT TEST ANALYSIS ON A NORWEGIAN E-LEARNING PLATFORM</b>	7193
<i>D. Petrović, B. Mihaljević, M. Žagar, A. Radovan</i>	
<b>EMPTY SPAIN AND VERNACULAR ARCHITECTURE. AWARENESS AND CONSERVATION FROM THE TEACHING OF ARCHITECTURAL RESTORATION</b>	7203
<i>J.L. Baró Zarzo, V. Cristini, C. Mileto, M.J. Balaguer Dezcallar, P. De Dato, L. García-Soriano, M. Lidón De Miguel, S. Manzano-Fernández, M. Caruso, F. Trizio, F. Vegas López-Manzanares</i>	
<b>FEEDBACK AND WRITTEN MATHEMATICS COMMUNICATION – A PEN PAL EXCHANGE</b>	7209
<i>A. Barbosa, I. Vale</i>	
<b>AN E-TRAINING PLATFORM DEVELOPED TO IMPROVE SKILLS AND KNOWLEDGE OF ELDERLY WITH REDUCED MOBILITY IN USING ASSISTIVE TECHNOLOGIES</b>	7215
<i>C. Ciobanu, J. Wielga, D. Mantziari, M. Karaqianni, N. Samar Brenčić</i>	
<b>DIGITAL TRANSFORMATION OF HIGHER EDUCATION INSTITUTIONS - APPLYING MODELS FROM ENTERPRISES</b>	7223
<i>I. Ogrizek Biškupič, M. Banek Zorica, K. Šiber Makar</i>	
<b>USE OF COMPUTATIONAL SIMULATION AND LABORATORY EXPERIENCE ON LEARNING THE PHOTOELECTRIC EFFECT – 12TH CLASS</b>	7233
<i>E. Macuácuá, P. Catarino, A. Soares</i>	
<b>PROBLEM SOLVING SKILL: THE ROLE OF ACTIVE TEACHING METHODOLOGIES</b>	7240
<i>G. Vincenti</i>	
<b>CONTRIBUTION OF PARTICIPATION IN EDUCATIONAL SIMULATION WORKSHOPS FOR DEVELOPING OPTIMAL COMMUNICATION SKILLS AND SOCIO-EMOTIONAL AWARENESS AMONG PRE-SERVICE ENGLISH AND MATH TEACHERS</b>	7250
<i>A. Fattun, A. Rasslan-Sharif, J. Mussa, E. Salman</i>	
<b>THE PERHEART PROJECT, A LEARNING EXPERIENCE FOR BOTH END-USERS AND DEVELOPERS</b>	7255
<i>K. Bierwirth, I. Mocanu, O. Cramariuc</i>	
<b>CORPORATE SOCIAL RESPONSIBILITY IN EDUCATIONAL PROCESS OF STUDY PROGRAM AT THE UNIVERSITY OF NOVI SAD</b>	7263
<i>S. Stojanovic, O. Sedlak, Z. Ciric, D. Stojic, R. Korhec</i>	
<b>IMPACT OF COVID-19 PANDEMIC ON LEARNING AND TEACHING: A COMPARATIVE STUDY IN A PORTUGUESE ENGINEERING DEGREE COURSE</b>	7270
<i>P. Carvalho</i>	
<b>INTEGRATING ONLINE TECHNOLOGY AND TRADITIONAL PEDAGOGY: CHALLENGES AND SOLUTIONS DURING THE COVID19 LOCKDOWN</b>	7275
<i>C. Gurau</i>	
<b>RESEARCH ON FLT UNDER THE MOBILE LEARNING AND TASK-DRIVEN MODE OF SMARTPHONE</b>	7276
<i>Y.X. Sun</i>	
<b>TRAINING THE TRAINERS IN WATER SPORTS TOURISM FOR SUSTAINABLE DEVELOPMENT AND RESILIENCE IN COASTAL REGIONS</b>	7282
<i>F. Galatsopoulou, C. Kenterelidou</i>	
<b>DIGITAL TECHNOLOGIES IN THE PERFORMANCE OF THE TEACHER’S WORK – INNOVATION AND FLEXIBILITY IN THE TEACHING PROFESSION</b>	7283
<i>S. Treľbová, E. Beňová, A. Kačmariková</i>	
<b>USE OF EMBEDDED SYSTEMS IN INDUCTION HEATING</b>	7291
<i>M. Knedlik, P. Kucera</i>	
<b>THE USE OF TEACHING AND LEARNING RESOURCES IN ENGLISH LANGUAGE AT LOWER SECONDARY SCHOOLS</b>	7295
<i>I. Červenková, N. Porubová, Z. Sikorová</i>	
<b>UNIVERSITY/COLLEGE STUDENTS’ CHOICE: HYFLEX LEARNING</b>	7305
<i>S. Laurian Fitzgerald, C. Fitzgerald</i>	



<b>STUDENT ONLINE ASSESSMENT: A QUANTITATIVE SNAPSHOT OF TEACHERS' CHALLENGES AND VIEWPOINTS IN THE CONTEXT OF DIGITALISATION</b> <i>O. Mosoiu, L. Popa</i>	7313
<b>ANALYSIS OF BIOLOGY TEXTBOOKS FOR LOWER SECONDARY SCHOOL PUPILS IN RELATION TO THE INCLUDED SCAFFOLDING COMPONENTS</b> <i>N. Porubová, I. Červenková</i>	7321
<b>MAKING IDEAS VISIBLE: DESIGN APPROACH IN TEACHING ABSTRACT CONCEPTS THROUGH HANDS-ON ACTIVITIES</b> <i>V.M. Iannilli, M. Di Iorio</i>	7322
<b>REMOTE LEARNING EXPERIENCE OF HIGH-SCHOOL STUDENTS DURING COVID-19</b> <i>M. Činjarević, L. Turulja, A. Kapo, A. Alić</i>	7330
<b>PERCEPTION OF GAME-BASED LEARNING: EXAMINING ESCAPE ROOM EDUCATION IN HIGHER EDUCATION</b> <i>A. Daunoriene, A. Daubariene</i>	7339
<b>THE RELATIONSHIP BETWEEN MATHEMATICS AND MUSIC EDUCATION – PRACTICAL EXPERIENCES</b> <i>P. Otilová, S. Svitek</i>	7344
<b>A CALCULUS COREQUISITE DESIGNED TO INCREASE EQUITY AND INCLUSION</b> <i>J. Ross, N. Spear</i>	7350
<b>SEARCHING FOR ARGUMENTS TO CONFRONT FAKE NEWS</b> <i>M. Minguela, N. Castells, E. Nadal</i>	7351
<b>DEVELOPMENT OF SECONDARY SCHOOL STUDENTS' ATTITUDES TOWARDS DISTANCE LEARNING DURING THE COVID-19 PANDEMIC</b> <i>S. Barnová, S. Krásna, G. Gabrhelová, D. Petriková, S. Brunovský</i>	7355
<b>THE APPLICATION OF ICT TECHNOLOGY IN FOREIGN LANGUAGE ONLINE TEACHING MODE</b> <i>Y.X. Sun</i>	7360
<b>TRANSITIONING FROM ONLINE TO CLASSROOM LEARNING - DIGITAL EDUCATION IMPACT ON FUTURE EDUCATION</b> <i>R. Kulhánek, S. Trellová, M. Kovár</i>	7366
<b>TEACHING AND LEARNING IN A PANDEMIC</b> <i>S. Laurian Fitzgerald, C. Fitzgerald</i>	7367
<b>REFLECTIONS OF REMOTE LEARNING IN HIGHER EDUCATION – A CASE STUDY FROM A UK UNIVERSITY</b> <i>N. Ratnayake</i>	7375
<b>CHILDREN'S LITERATURE, FAMILIES AND EARLY CHILDHOOD EDUCATION: WAYS OF EXPERIENCING THE COVID-19 PANDEMIC</b> <i>M. Figueiredo, M. Alves, I.A. Matos</i>	7376
<b>ENHANCING TRANSDISCIPLINARITY IN HIGHER EDUCATION PROBLEM-BASED LEARNING: THREATS AND OPPORTUNITIES FROM THE VIEWPOINT OF FACULTY MEMBERS</b> <i>F. Pinto dos Santos, C. Neves, S. Gomes, P. Oliveira, M. Nogueira</i>	7377
<b>DIGITALIZATION OF TEACHING AT VOCATIONAL SCHOOLS: WHAT REQUIREMENTS ARE PLACED ON TEACHERS?</b> <i>N. Lemke, J. Siemon, A. Augsdörfer</i>	7384
<b>EDUCATIONAL EXPERIENCES OF STUDENTS DEVELOPED STREAM PROJECTS</b> <i>N. Cibulskaitė, A. Augustinovič</i>	7385
<b>THE EVOLUTION OF CYBER-BULLYING DURING THE COVID-19 PANDEMICS IN HUNGARIAN SCHOOLS IN SLOVAKIA</b> <i>Z. Árki, T. Berta, G. Kiss</i>	7393
<b>3D PRINTERS IMPACT ON THE FUTURE OF CONSTRUCTION</b> <i>A. Jaouherikhah, M. Valiente Lopez, M. Fernandez Alvarez</i>	7401
<b>E-LEARNING SUCCESS DURING COVID TIME: ORGANIZATIONAL, INSTRUCTOR AND STUDENT PERSPECTIVES</b> <i>A. Šemić, A. Kapo, M. Činjarević, L. Turulja, A. Alić</i>	7408
<b>GENDER AND REPRESENTATIONS OF THE VETERINARY PROFESSION DURING EDUCATION. AN EXPLORATORY STUDY AMONG UNIVERSITY STUDENTS</b> <i>A. Ricci</i>	7417

<b>OVERCOMING TECHNOLOGICAL AND CULTURAL CHALLENGES OF INTERNATIONAL STUDENTS IN HYBRID ONLINE CLASSES FOR QUALITY EDUCATION</b> <i>G. Tusch</i>	7423
<b>DESIGN OF AN ANDROID APP TO ADAPT PRACTICAL LABORATORY ACTIVITIES TO A REMOTE MODALITY</b> <i>M. Garcia-Bosque, A. Naya, C. Sánchez-Azqueta</i>	7430
<b>THE EFFICIENCY OF ALBANIAN ONLINE LEARNING</b> <i>D. Shoraj, E. Kadiu</i>	7435
<b>THE LMOOC4SLAV PROJECT: ACADEMIC DISCOURSE FOR ACADEMIC MOBILITY</b> <i>F. Silva, I.M. Duarte, B. Samu, Á. Carvalho</i>	7442
<b>AN EXPERIENCE OF BLENDED LEARNING IN MARKETING: THE EFFECT OF ALUMNI TESTIMONIALS ON STUDENT MOTIVATION</b> <i>A. Estima</i>	7450
<b>DESIGN AND IMPLEMENTATION OF A WORKSHOP FOR THE LEARNING OF NUMERICAL SERIES BASED ON COMPETENCE ASSESSMENT THROUGH THE USE OF TECHNOLOGICAL APPLICATIONS AND COMPUTATIONAL MATHEMATICS</b> <i>M. Dádamo, S. de Federico</i>	7455
<b>SOCIOECONOMIC AND CULTURAL CONDITION TO ACCESS HIGHER EDUCATION IN MOZAMBIQUE: THE POTENTIAL OF DISTANCE EDUCATION IN RURAL AREAS</b> <i>P. Cuanba, A. Moreira, A.C. Amaro</i>	7463
<b>ADOPTING BEST PRACTICES FOR BUSINESS COURSES IN TIMES OF CRISIS: AN EXPLORATORY CASE STUDY IN LA RIOJA, SPAIN</b> <i>L.M. Cerdá Suárez</i>	7469
<b>SOCIAL AND ECOLOGICAL SUSTAINABILITY IN SOCIAL WORK TRAINING</b> <i>H. Belchior-Rocha, I. Casquilho-Martins, J. Ferreira</i>	7476
<b>SELF ASSESSMENT METHOD FOR PRODUCT DESIGN STUDENTS</b> <i>M.E. Romero, M. Frausin, G. Borga, M. Bresciani</i>	7484
<b>MORE ACCESSIBLE E-LEARNING: ADAPTING E-LEARNING MATERIALS FOR STUDENTS WITH SPECIAL NEEDS</b> <i>N. Lazić, M. Banek Zorica, J. Klindžić</i>	7490
<b>TEACHING ARCHITECTURAL DRAWING AT THE ETSEM ESCUELA TÉCNICA SUPERIOR DE LA EDIFICACIÓN, UNIVERSIDAD POLITÉCNICA DE MADRID</b> <i>M. Valiente Lopez, S. Diez Sanz, M.C. Sanz Contreras</i>	7494
<b>ASSESSMENT OF THE IMPACT OF RESOURCE MANAGEMENT MECHANISMS ON THE EDUCATIONAL RESULTS OF THE SCHOOL</b> <i>I. Khudorozhkov, B. Ilyukhin, E. Benks, N. Serbina</i>	7504
<b>IMPROVING DIGITAL SKILLS IN THE TEXTILE AND CLOTHING INDUSTRY THROUGH ONLINE COURSES</b> <i>C. Hertleer, A. Terziev, B. Malengier, H. Saeed, S. Ercegovic Razic, A. Dimov</i>	7511
<b>VIRTUAL LABORATORY OF COMPUTER SCIENCE AT PRIMARY SCHOOL</b> <i>V. Stoffova, M. Zboran</i>	7516
<b>STEM IN CHILDHOOD EDUCATION: A LITERATURE REVIEW</b> <i>M. Azevedo, C. Ribeiro, C. Mesquita, M. Vara Pires</i>	7522
<b>RIGHTS-BASED PEDAGOGY AND EARLY CHILDHOOD EDUCATION PRACTICES</b> <i>C. Ribeiro, C. Mesquita, J.C. Hernández Beltrán</i>	7530
<b>CHANGES IN THE TEACHING LEARNING PROCESS AFTER COVID: WHAT ARE THE CHALLENGES FOR STUDENTS AND TEACHERS IN RETURNING TO A “NEW NORMALITY”?</b> <i>M. Ferreira, S. Bandeira, I. Machado, C. Neves, A. Vieira, A. Aragonez</i>	7539
<b>CODEVAL: IMPROVING STUDENT SUCCESS IN PROGRAMMING ASSIGNMENTS</b> <i>A. Agrawal, A. Jain, B. Reed</i>	7546
<b>ACTIVITIES WITH DESMOS AND GEOGEBRA FOR FORMATIVE AND AUTOMATIC FEEDBACK</b> <i>V. Santos, N.R. O. Bastos</i>	7555
<b>PEDAGOGICAL DOCUMENTATION IN CHILDHOOD EDUCATION: A REVIEW OF CONCEPTS</b> <i>M. Azevedo, C. Mesquita, I. Mociño-González</i>	7560
<b>THE IMPACT OF ONLINE ASSESSMENT ON THE PERFORMANCE OF BUSINESS SCIENCE COURSES’ HIGHER EDUCATION STUDENTS</b> <i>C. Martinho, J. Caldeira</i>	7568

<b>TEACHING BUSINESS INFORMATICS AT HIGHER EDUCATIONAL LEVEL TO DIGITAL NATIVES: HAS COVID-19 CAUSED CHANGES IN THE PERCEIVED USEFULNESS AND THE RESULT OF TEACHING?</b>	7576
<i>D. Suša Vugec, A.M. Stjepić</i>	
<b>ASSESSING THE LEVEL OF SLOVAK UNIVERSITY STUDENTS' INTERPRETATIVE SKILLS</b>	7587
<i>Z. Sucháňová</i>	
<b>SPIKE UP PRIME INTEREST IN MATHEMATICS</b>	7588
<i>P. Petrovič</i>	
<b>DEVELOPMENT OF GRADUATE EMPLOYABILITY SKILLS WITH REGARDS TO DREAM JOB USING MOBILE APP</b>	7598
<i>M. Iqbal, A. Abbas, S.A. Petersen</i>	
<b>EARLY IMITATION AND FOREIGN LANGUAGE LEARNING</b>	7608
<i>A. Frolli, F. Cerciello, S. Ciotola, B. Bertin, C. Esposito, M.C. Ricci</i>	
<b>STUDENTS' ENGAGEMENT IN SOLVING MATHEMATICAL TASKS INVOLVING CONNECTIONS: AN OUTDOOR EXPERIENCE IN PRIMARY EDUCATION</b>	7612
<i>F. Fernandes, I. Vale</i>	
<b>FOOD SUSTAINABLE EDUCATION: A SYSTEMATIC LITERATURE REVIEW</b>	7622
<i>C. Ribeiro, M. Azevedo, C. Mesquita, M.J. Rodrigues, M. Vara Pires</i>	
<b>USING MICROCONTROLLERS FOR EDUCATIONAL ROBOTICS IN UNDERGRADUATE UNIVERSITY STUDY PROGRAM</b>	7631
<i>P. Petrovič</i>	
<b>SYSTEMS FOR KNOWLEDGE TESTING AND ASSESSMENT</b>	7642
<i>V. Stoffova, O. Horváthné Habodás</i>	
<b>MAPPING THE SLOVAK UNIVERSITY STUDENTS' ATTITUDES TOWARDS LITERATURE COURSES AND EXTENSIVE READING IN ENGLISH</b>	7652
<i>Z. Sucháňová</i>	
<b>IMMERSIVE AND INTERACTIVE DIGITAL NARRATIVES AND THE SOCIAL APPROPRIATION OF SCIENCE: COCREATIVE PROCESSES TO CREATE AN OPEN-AIR SCIENCE PARK THAT ADDRESSES EVOLUTIONARY BIOLOGY</b>	7657
<i>R. Nóbrega, C.A.M. Russo</i>	
<b>STUDENT SELF-EFFICACY AND IMPACT OF COVID-19 ON ACTIVE LEARNING IN COLLEGE ALGEBRA THROUGH CALCULUS COURSES</b>	7661
<i>M. Bode, S. Devi, J. Ross, A. El Sabbagh, K. Pooler</i>	
<b>CURRICULAR ARTICULATION IN HIGHER EDUCATION: AN EXPERIENCE IN INITIAL TEACHER EDUCATION</b>	7671
<i>A.R. Aguiar, F. Fernandes</i>	
<b>ENHANCING LEARNING OF INTERACTION DESIGN AND WEB APP DEVELOPMENT THROUGH INTERDISCIPLINARITY: A PEDAGOGICAL EXPERIMENT</b>	7677
<i>R. Hernández-Ramírez, J. Estima, M. Boavida</i>	
<b>AN AWARENESS-RAISING PINBALL: DESIGNING AND PROTOTYPING A SERIOUS GAME WITH PRODUCT DESIGN STUDENTS</b>	7684
<i>M.E. Romero, M. Frausin, G. Borga, M. Bresciani</i>	
<b>TEACHING MATHEMATICS TO ADULT STUDENTS TO PROMOTE HIGHER EDUCATION ACCESS</b>	7690
<i>H. Belchior-Rocha, R. Mauritti, J. Monteiro, L. Carneiro, J. Mendes</i>	
<b>EDUCATIONAL SYSTEM FOR LEARNING SPECIFIC AND ATTITUDINAL COMPETENCES THROUGH HYBRID EDUCATION STRATEGIES WITH INTERACTIVE COLLOQUIUM CHALLENGES AND USE OF BRAINSTORMING</b>	7697
<i>S. de Federico, M. Dadamo</i>	
<b>DEVELOPMENT OF ONE GAME IN SCRATCH TO ASSIST IN TEACHING COMPUTATIONAL THINKING</b>	7707
<i>T.L. da Silva, G.S. dos Santos</i>	
<b>SOUND ENGINEERING IN INFORMAL LEARNING ENVIRONMENT - SOUND EXPERIMENTS IN AN IMPROVISED RECORDING STUDIO</b>	7711
<i>P. Stefanova, P. Stefanov</i>	
<b>THE SPANISH POPULATION UNDER THE FRAMEWORK OF FINANCIAL COMPETENCE FOR ADULTS SET BY THE EU/OECD IN 2022</b>	7716
<i>M. Bosch-Princep, M.A. Pons Cardell, J. Sarrasí Vizcarra</i>	
<b>DIGITAL TRANSFORMATION AS UNIVERSITY COURSE - DEVELOPMENT AND IMPLEMENTATION</b>	7725
<i>I. Pihir</i>	

<b>BLENDED MOBILITY IN JEU: AN EVALUATION</b>	7730
<i>C. Arragon, H. Bollaert, M. Beczkowski, M. Connolly, F. Ederer, J. Ides, P. Milczarski, J.C. Monteiro, J.C. Morais, P. Possemiers, D. O'Reilly, H. Schulze</i>	
<b>IDENTIFYING RISK IN READING AND WRITING IN THE 2ND YEAR OF SCHOOLING: A STUDY IN NORTHERN PORTUGAL IN THE CONTEXT OF THE COVID-19 PANDEMIC</b>	7737
<i>P. Fortunato Vaz, V. Gonçalves, C. Teixeira</i>	
<b>STARTING OVER THROUGH DIFFERENT LEARNING AREAS</b>	7743
<i>H. Belchior-Rocha, M. Sampayo, R. Mauritti, C. Granjo, M. Rodrigues</i>	
<b>BREAKOUT ROOMS: A COLLABORATIVE SPACE THAT WORKS</b>	7749
<i>N.R. O. Bastos</i>	
<b>CULTURAL HERITAGE AND EDUCATION: WHAT RELATIONSHIP?</b>	7755
<i>M. Louro Felgueiras, O. Tymoshchuk, S. Saborano, I. Breia, M. Resende</i>	
<b>USING CANVAS LMS ANALYTICS AS A MEANS TO SUPPORT ALL STUDENTS</b>	7765
<i>C. Prado, T. Barros</i>	
<b>USE OF DESMOS TO ENGAGE STUDENTS IN CALCULUS</b>	7766
<i>N.R. O. Bastos</i>	
<b>COLLABORATION BETWEEN EDUCATIONAL INSTITUTIONS: INTERINSTITUTIONAL CREATIVE MUSIC ELABORATION OF PEDAGOGICAL RESOURCE</b>	7772
<i>P. Stefanova, P. Stefanov</i>	
<b>FOREIGN STUDENTS IN HIGHER EDUCATION INSTITUTIONS IN PORTUGAL, EXPECTATIONS AND REALITY - A CASE STUDY</b>	7776
<i>R. Mauritti, S. Pintassilgo, H. Belchior-Rocha, J. Mendes, D. Ramos</i>	
<b>EDUCATIONAL CASE STUDIES FOR DIGITAL TRANSFORMATION</b>	7783
<i>I. Pihir</i>	
<b>CREATING CRISIS READJUSTMENT BEST PRACTICES (CRBP): STRATEGIES FOR DEVELOPING EDUCATIONAL TRANSITIONAL PRACTICES DURING ENVIRONMENTAL READAPTATION OF HUMAN CAPITAL</b>	7792
<i>B. Barrett</i>	
<b>IMPACT OF SOCIAL MEDIA PLATFORMS IN ENHANCING ACADEMIC LEARNING</b>	7798
<i>S. Shaaban-Nejad</i>	
<b>PREPARING FOR THE FUTURE FOR ALL: THE STATE OF ACCESSIBILITY EDUCATION AT TECHNICAL UNIVERSITIES</b>	7799
<i>H. Snarberg, A. Pantigoso Velasquez, K. Falkenberg, S. Johansson</i>	
<b>ANGLOPHONE LITERATURE AND CULTURE IN LITERARY EDUCATION OF FUTURE TEACHERS</b>	7806
<i>J. Hrinak</i>	
<b>USING THE UNESCO 2030 SUSTAINABLE DEVELOPMENT GOALS FOR A FOUR COURSE SEQUENCE</b>	7811
<i>P. Lane, R. Lafferty</i>	
<b>SOCIAL ENTREPRENEURSHIP AND INCLUSIVE ENTREPRENEURSHIP RESEARCH: EXPLORING UNDERSTANDING OF BUSINESS AND MANAGEMENT STUDENTS</b>	7818
<i>A. Mirakyan</i>	
<b>INCREASING SOCIETY 5.0 SKILLS ELEMENTARY SCHOOL STUDENTS BY GAWI MANUNTING LEARNING MODEL</b>	7824
<i>A.R. Agusta, A. Suriansyah, D.A. Pratiwi, N. Noorhapizah, S. Hussin</i>	
<b>SUSTAINABILITY COMPETENCE-BASED ENGINEERING EDUCATION AT HIGHER EDUCATION INSTITUTIONS: INTRODUCING THE DESIGN FOR A MODULARIZED "SUSTAINABILITY BUSINESS ECONOMICS LAB"</b>	7835
<i>A. Omazic, B. Zunk, C. Pacher</i>	
<b>VIDEOS TO REPLACE FACE-TO-FACE CLASSES</b>	7841
<i>A.A. Mendoza-Amador, M.A. Carballo-Ontiveros, A.N. Castañeda-Sortibrán</i>	
<b>A SPANISH PROJECT BASED ON THE CONCEPT OF CULTURAL HERITAGE</b>	7845
<i>C. Silva</i>	
<b>THE EFFECTIVENESS OF ELEMENTARY SCHOOL LEARNING MATERIAL BASED ON SOUTH KALIMANTAN LOCAL WISDOM TO INCREASE STUDENTS HIGH ORDER THINKING SKILLS AND GAWI MANUNTING CHARACTER</b>	7849
<i>A.R. Agusta, A. Suriansyah, D.A. Pratiwi, N. Noorhapizah, S. Hussin, I. Sin</i>	

<b>REMOTE ACCOMPANIMENT AND EDUCATIONAL HELP AMONG UNIVERSITY STUDENTS: THE CASE OF A PEER TUTORING PROGRAM DURING COVID-19 TO KEEP STUDENTS ENGAGED</b>	7861
<i>S.A. Niño Carrasco, J.C. Castellanos-Ramírez, E. Viloría</i>	
<b>INNOVATIVE WAYS TO COMMUNICATE RESEARCH IN THE HUMANITIES: COMIC STRIPS</b>	7862
<i>K. Salvador-Cisneros, W. Wonsang</i>	
<b>INNOVATIVE ASSESSMENT TOOLS AND THE USE OF THE PROJECT METHOD IN TEACHING SCIENCES AND MATHEMATICS IN PRIMARY SCHOOLS</b>	7872
<i>Z. Árki, T. Berta, L. Jaruska</i>	
<b>FORMATION OF COMMUNICATIVE COMPETENCE AT EDUCATIONAL PRACTICE OF PEDAGOGICAL UNIVERSITY STUDENTS</b>	7880
<i>I. Balandina, L. Yuzdova, T. Moskvitina, N. Parshukova, I. Kozlova, L. Makhmutova</i>	
<b>HOW COVID-19 PANDEMIC AFFECTED THE EDUCATIONAL DECISIONS? CASE STUDY ON ROMANIAN YOUTH</b>	7886
<i>C. Mocanu, A.M. Zamfir</i>	
<b>YOUTH EMPLOYABILITY DURING COVID-19 PANDEMIC IN CENTRAL AND EASTERN EUROPE</b>	7892
<i>C. Mocanu, R.M. Molea</i>	
<b>AGENDA 2030 FOR SUSTAINABLE DEVELOPMENT AND THE FUTURE OF ADULT LEARNING IN EUROPE</b>	7893
<i>F. Rebelo, A. Guimarães</i>	
<b>POTENTIAL EFFECTS OF AN ACTIVE VIDEO GAME ON PHYSICAL EDUCATION AND ON MATHEMATICAL LEARNINGS</b>	7897
<i>P. Fargier, V. Cece, N. Burel, C. Roure, V. Lentillon-Kaestner</i>	
<b>EXPLORING SELF-REGULATION IN MALAYSIAN REMOTE LEARNING ENVIRONMENT: A CASE STUDY</b>	7904
<i>A.A. Mohd Kasim</i>	
<b>DIGITAL TRANSFORMATION AND INNOVATION IN THE EDUCATION INDUSTRY: DEMOCRACY VERSUS POLITICAL ECONOMY</b>	7905
<i>P. Ray</i>	
<b>COMPUTATIONAL THINKING FROM EARLY CHILDHOOD EDUCATION</b>	7909
<i>J. Casas</i>	
<b>CRITERIA FOR DEVELOPING EDUCATIONAL DIGITAL GAMES</b>	7914
<i>P. Hitkova, P. Hitka</i>	
<b>CREATING A BETTER FUTURE FOR MEDICINE: DEVELOPING A MEDICAL/ HEALTH HUMANITIES LEARNING COMMUNITY IN UNDERGRADUATE MEDICAL EDUCATION</b>	7915
<i>P. Brett-MacLean</i>	
<b>SOCIAL MEDIA AS A TEACHING RESOURCE AND STRATEGIC COMMUNICATION TOOL DURING AN ERASMUS+ MISSION</b>	7925
<i>J. Gonçalves, F. Rodrigues, F. Gonçalves, A. Pissarra, H. Engrácio</i>	
<b>NEW PATHS OF TEACHING AND LEARNING – HOW COVID 19 E-LEARNING EXPERIENCE SHAPED THE LEARNING PROCESS AND COMPETENCES OF COMMUNICATION STUDENTS IN POLYTECHNIC OF GUARDA</b>	7932
<i>J. Gonçalves, H. Engrácio, F. Rodrigues, J. Brigas, F. Gonçalves</i>	
<b>LEVERAGING STEM CAREER PATHS THROUGH ROLE MODEL INTERACTION</b>	7940
<i>D. Kilian, P. Mirski, S. Kruschel, A. Rottensteiner</i>	
<b>THE INFLUENCE OF GENDER COMPOSITION OF MENTORING RELATIONSHIPS ON MENTORS' AND MENTEES' EXPECTATIONS TOWARDS ACADEMIC MENTORING PROGRAMS</b>	7944
<i>P. Mirski, D. Kilian, S. Kruschel, A. Rottensteiner</i>	
<b>"ENTREPRENEURIAL STUDY TOURS RETHOUGHT" A FRAMEWORK FOR DESIGNING VIRTUAL STUDY TOUR EXPERIENCES</b>	7950
<i>P. Mirski, S. Kruschel, A. Rottensteiner</i>	
<b>SCHOOL PREVENTION METHODOLOGISTS AND THEIR WORK WITH STUDENTS DURING DISTANCE EDUCATION</b>	7955
<i>D. Cibáková, M. Krajiňáková, T. Čech</i>	
<b>CREATION OF AN APP PROTOTYPE FOR THE RŪTA'S CHOCOLATE MUSEUM</b>	7961
<i>P. Cantante, R. Pocevičienė, M. Carvalho, S. Martins</i>	
<b>DISTANCE LEARNING DURING PANDEMIC: WAS IT REALLY SO BAD?</b>	7971
<i>A. Molinari, P. Bouquet</i>	

<b>CREATING A DIGITAL COMMUNITY OF PRACTICE</b>	7976
<i>A. Cardoso, J. Souza</i>	
<b>COMPARISON OF IMPACTS OF THE COVID-19 PANDEMIC ON COMMUNICATION AND RESPIRATION OF CHILDREN BETWEEN SELECTED REGIONS OF THE CZECH REPUBLIC</b>	7985
<i>E. Šlesingrová, K. Vitásková</i>	
<b>DIGITAL LITERACY DURING REMOTE TEACHING IN PUBLIC SCHOOL – NATAL/RN, BRAZIL</b>	7994
<i>K.S. Soares, M.A.C. Aguirre, S.M.S. Leôncio, J.D. Pachito, A.F. Souza, G.R.M. Oliveira, W.S.C. Silva, J. Campos</i>	
<b>CHINESE AND EUROPEAN STUDENTS IN THE EUROPEAN HIGHER EDUCATION AREA: ACCOUNTS OF SOCIAL AND ACADEMIC EXPERIENCES</b>	8004
<i>M. Fuentes Agustí, M. Plans Ponsa, M.C. Espín García</i>	
<b>THE PRESENCE OF CHINESE INTERNATIONAL STUDENTS IN EUROPEAN UNIVERSITIES</b>	8005
<i>E. Doval Dieguez, A. Gutierrez Marcenaro, N. Mayer</i>	
<b>PROPOSAL OF IMAGINED INTERVIEW SCRIPT CONSTRUCTION METHOD THAT ENHANCES EMPATHIC UNDERSTANDING OF HOSTILE STAKEHOLDERS IN GENERATION OF PERSUASIVE MESSAGES</b>	8006
<i>H. Suzuki, H. Funaoi, Y. Kubota, H. Kato</i>	
<b>CONTRIBUTIONS OF A SPECIFIC TUTORIAL ACTION PLAN FOR CHINESE INTERNATIONAL STUDENTS IN THE EUROPEAN HIGHER EDUCATION AREA</b>	8012
<i>M.C. Espín García, I. Kaur, M.E. Suarez Ojeda</i>	
<b>FUSE STUDIOS: A NEW, SCALABLE MODEL FOR LEARNING AND TEACHING IN SCHOOLS</b>	8013
<i>R. Stevens</i>	
<b>THE IMPACT OF CULTURAL SENSITIVITY AND EMOTIONAL SELF-CONCEPT ON THE ACADEMIC SUCCESS OF CHINESE INTERNATIONAL STUDENTS</b>	8014
<i>N. Mayer, S. Kammler, P. Valdivia Vizarreta</i>	
<b>REAL ENTREPRENEURIAL PRACTICES TO SUPPORT MULTILINGUAL LEARNERS</b>	8015
<i>C. Prado, C. Gomes</i>	
<b>IMPORTANCE OF TEACHING PRACTICE AND EDUCATIONAL RESOURCES FOR THE INCLUSION AND ACADEMIC SUCCESS OF CHINESE INTERNATIONAL STUDENTS IN HIGHER EDUCATION</b>	8021
<i>N. Gomes, M.P. Cardinal Cruz Das Neves, E. Batoco Constante de Brito, M. Fuentes Agustí</i>	
<b>DATA VISUALISATION FOR TEACHERS: HOW TO READ, INTERPRET AND SHOW DATA CORRECTLY</b>	8022
<i>F. Ramos, D. Iskandaryan, I. Koribska</i>	
<b>THE COMMUNICATIONS OF ‘GERTRUDES’ WITH RURAL-GEOGRAPHICALLY-LOCATED STUDENTS DURING COVID-19 NEW NORMAL IN SOUTH AFRICA AND NIGERIA</b>	8023
<i>O. Ige, T. Wale-Fadairo</i>	
<b>REPRESENTATION OF ALUMNI ENGAGEMENT IN UNIVERSITY COMMUNITY ON HOMEPAGES OF BALTIC UNIVERSITIES: VISIBILITY AND FORMS</b>	8024
<i>M. Burima</i>	
<b>PROCESSES, INTERACTIONS AND DEVELOPMENT IN A PROFESSIONAL LEARNING COMMUNITY OF SCIENCE AND TECHNOLOGY TEACHERS DURING COVID-19 PANDEMIC</b>	8032
<i>Y. Shwartz, A. Salman, Z. Scherz</i>	
<b>CASE-BASED TEACHING IN AN INTRODUCTORY EXCEPTIONAL CHILD COURSE: GETTING STUDENTS TO THINK CRITICALLY ABOUT TEACHING AND LEARNING</b>	8033
<i>T. Herring</i>	
<b>PERCEPTIONS OF LEARNERS REGARDING FACTORS THAT PROMOTE SUSTAINABLE LEARNING ENVIRONMENT IN GRADE 12 PHYSICAL SCIENCE CLASSROOMS IN NORTH WEST PROVINCE</b>	8034
<i>M. Senoelo, A.C. Olufemi, M. Rankhumise, O.N. Mafa-Theledi</i>	
<b>LEARNING DIARY AS A TOOL FOR DEVELOPING UNIVERSITY EDUCATION PROCESS: INTEGRATIVE EVALUATION AND ASSESSMENT OF STUDENTS’ LEARNING</b>	8043
<i>P. Lopez-Fresno, T. Savolainen, L. González-Díaz</i>	
<b>THE ROLE OF E-LEARNING FOR THE FUTURE HEALTH CARE: METACOGNITION OR CRITICAL THINKING</b>	8052
<i>P. Lopez-Fresno, F. Fernández-González</i>	

<b>STAY HOME, STAY SAFE: UNDERGRADUATE STUDENTS' PERCEPTIONS OF ENGAGEMENT AND ADAPTABILITY TO ONLINE LEARNING AND ASSESSMENT DURING THE COVID-19 PANDEMIC</b> <i>A. Alsagoafi</i>	8053
<b>SCHOOL ONLINE IMAGE CONSTRUCTION DURING COVID-19 LOCKDOWN</b> <i>J. Kasperiuniene, Z. Bastiene, D. Bocullo</i>	8059
<b>COLEARNITT: A MODEL FOR INITIAL TEACHER TRAINING</b> <i>G.E. Petre</i>	8066
<b>EMPATHY IN THE DESIGN PROCESS: A WORKSHOP EXPERIENCE ON TEMPORARY AND SITUATIONAL DISABILITIES WITH DESIGN STUDENTS</b> <i>M. Frausin</i>	8076
<b>USE OF UNCONVENTIONAL ELEMENTS IN HIGH JUMP PRACTISING DURING PHYSICAL EDUCATION IN SCHOOLS</b> <i>V. Salcman, J. Moudrá</i>	8083
<b>THE EFFECT OF THE QUALITY OF VISUAL FUNCTIONS ON CO-ORDINATION ABILITIES OF UPPER LIMBS IN PRIMARY SCHOOL-AGED CHILDREN</b> <i>V. Salcman, P. Šíma</i>	8090
<b>THREE PROGRAMMING ENVIRONMENTS FRIENDLY TO BLIND STUDENTS IN LOWER SECONDARY EDUCATION</b> <i>L. Jašková</i>	8099
<b>CONTRASTIVE STUDY OF LAWS AND REGULATIONS ORGANIZING THE EDUCATIONAL SYSTEMS IN ROMANIA AND REPUBLIC OF MOLDOVA</b> <i>A. Nastas, G.A. Necula</i>	8109
<b>FOUNDATION PHASE TEACHERS' BELIEFS ABOUT THE VIABILITY OF RESPONSE TO INTERVENTION IN THE SOUTH AFRICAN CONTEXT</b> <i>S. Bester, M. Graham, M. Gardner</i>	8115
<b>LEARNING ANALYTICS FOR CORRELATION BETWEEN GAMIFICATION AND STUDENT ENGAGEMENT ON MASSIVE OPEN ONLINE COURSE ENVIRONMENT</b> <i>S. Sulaiman, E. Yunus, Y.L. Wong, N. A. Shukor, N. Md Noor</i>	8124
<b>STUDY COUNSELLING AND SOCIAL SUPPORT IN HIGHER EDUCATION - A CASE STUDY FROM SLOVAKIA</b> <i>T. Šeben Zatlková, V. Michvocíková</i>	8132
<b>KO2-DILAN-P1: IMPLEMENTATION OF DIGITAL COMPETENCIES IN PHYSICS TEACHER TRAINING COURSES</b> <i>E. Kremser, C. Thyssen, J. Huwer</i>	8142
<b>TEACHING LAB ACTIVITIES EFFECTIVELY DURING TIMES OF DISRUPTION BY FOSTERING ADAPTIVE AND DIGITAL RESILIENCE: THE CASE OF COLLEGE-LEVEL INTRODUCTORY BIOLOGY DURING THE COVID-19 PANDEMIC</b> <i>P. Papadopoulou</i>	8151
<b>TEACHING ARTIFICIAL INTELLIGENCE TO LIFELONG LEARNERS USING GAMES AND DIALECTICS</b> <i>J. Loeckx</i>	8161
<b>MYTHESIS: AN ONLINE SYSTEM FOR THE MANAGEMENT OF UNIVERSITY DIPLOMA THESES</b> <i>S. Kolovos, E. Papaioannou, C. Kaklamanis</i>	8169
<b>THE BOLOGNA REFORM: NATIONAL STUDY ON THE PERCEPTION AND OPINION OF PORTUGUESE HIGHER EDUCATION TEACHERS</b> <i>S. Antunes, A. Guedes, J.P. Lousado, P. Santos</i>	8179
<b>EXPLORING THE SUSTAINABLE EDUCATION THROUGH MOOCS: TO 21ST-CENTURY ONLINE LEARNER</b> <i>N. Samaranayake</i>	8189
<b>HARNESSING THE POTENTIAL OF MICRO LEARNING - AN INNOVATIVE APPROACH TOWARDS CONTINUOUS PROFESSIONAL DEVELOPMENT</b> <i>L. Gottschling-Knudsen, M.H. Dahm</i>	8196
<b>ISRAELI PRESCHOOL TEACHERS' ATTITUDES TOWARD THE ROLE OF PARENTS OF CHILDREN WITH AUTISM SPECTRUM DISORDER</b> <i>B. Gavish, A. Fleischmann</i>	8205
<b>IMPLICATIONS OF THE PANDEMIC ON THE TRANSITION TO ADULT LIFE: AN EXPLORATORY STUDY OF YOUNG ADULTS' OPINIONS</b> <i>V. Vamvooura, G. Diamantopoulou, E. Kyriakidou, L. Kartasidou</i>	8206

<b>COMPUTER-AIDED QUANTITATIVE CONTENT ANALYSIS IN THE ASSESSMENT OF THE COGNITIVE DEMAND LEVEL OF DIGITAL MATHEMATICS TEXTBOOKS</b> <i>H. Silfoerberg</i>	8213
<b>FORMATIVE ASSESSMENT AS AN INSTRUMENT TO IMPROVE STUDENT LEARNING</b> <i>J. Flores, M. Alcivar</i>	8221
<b>THE EDUCATION IN GEOMATICS: DESIRABILITY OF VIRTUAL FORMAT</b> <i>L. Kukliene, D. Jankauskiene, I. Kuklys, B. Ruzgiene</i>	8226
<b>A LITERATURE REVIEW ON OPEN-WORLD GAMES TO METAVERSE TRANSITION FROM MORAL EDUCATION ANALYSING PERSPECTIVE</b> <i>S. Li, M. Valcke, X. Li</i>	8234
<b>IMMERSIVE VIRTUAL TECHNOLOGIES FOR LEARNING PHYSICS IN HIGHER EDUCATION</b> <i>D. Olmedo, T. Tene, A. León, C. Chamba-Chamba, P. Santillán, V.F. Proaño, C. Vacacela Gomez</i>	8240
<b>THE EFFECT OF UNIVERSITY STUDENTS' ATTITUDES TOWARDS INFORMATION AND COMMUNICATION TECHNOLOGIES ON THEIR TENDENCY TOWARDS INNOVATION</b> <i>G. Sart, H.F. Sezgin</i>	8248
<b>STATISTICAL EVALUATION OF UNIVERSITY STUDENTS' ATTITUDES AND OPINIONS TOWARDS DISTANCE EDUCATION CARRIED OUT DURING THE COVID-19 PANDEMIC</b> <i>G. Sart, H.F. Sezgin</i>	8256
<b>DIGITAL TEAMWORK AND PROTOTYPING IN THE VIRTUAL FAB LAB</b> <i>A. Mihai, R. Souto, C. Vaz de Carvalho, A. Seul</i>	8263
<b>AMBIDEXTROUS LEADERSHIP IN THE MOBILE GAMING INDUSTRY</b> <i>F. Sánchez Coll, C. Donaldson, J. Villagrasa</i>	8273
<b>PEDAGOGICAL AND TECHNICAL FACTORS THAT INFLUENCE THE DESIGN AND EDUCATIONAL ADOPTION OF A GAMIFIED APP IN PRIMARY EDUCATION</b> <i>E. Vázquez-Cano</i>	8282
<b>ANALYSIS OF THE SOCIO-EDUCATIONAL PROFILE OF THE PRIMARY EDUCATION STUDENTS ACCORDING TO THE POSSESSION AND USE OF VIDEO GAMES</b> <i>E. Vázquez-Cano</i>	8283
<b>SOME ASPECTS OF GEOMETRY EDUCATION DURING THE PANDEMIC SITUATION</b> <i>V. Ferdianová, J. Gunčaga, Y. Ashimov</i>	8284
<b>RETHINKING DATA SCIENCE PEDAGOGY WITH EMBEDDED ETHICAL CONSIDERATIONS</b> <i>V. Janeja, M. Sanchez</i>	8292
<b>ENGAGING INDIGENOUS LEARNERS IN EXPERIENTIAL LEARNING: VIRTUAL REALITY AS A LEARNING STRATEGY FOR MALAYSIAN ORANG ASLI STUDENTS</b> <i>L.S. Ng, M. Neo</i>	8299
<b>DESIGNING A BLENDED LEARNING ENVIRONMENT FOR ENHANCED LEARNER ENGAGEMENT: THE EQUAD FRAMEWORK</b> <i>M. Neo</i>	8304
<b>VALIDATING THE SFUMATO METHOD FOR THE TEACHING OF READING TO DYSLEXIC PRIMARY SCHOOL PUPILS</b> <i>I. Simkova, H. Havlisova, J. Jost</i>	8310
<b>ENHANCING HEALTH AND WELL-BEING WITH BUDDHISM YOGA PROGRAM FOR AUTISTIC'S STUDENTS: A CASE STUDY OF RAMKHAMHAENG UNIVERSITY DEMONSTRATION SCHOOL (SECONDARY EDUCATION)</b> <i>W. Bootpo, P. Putsorn, C. Getmaro, W. Bhungob</i>	8316
<b>IDENTIFICATION OF STUDENT MISTAKES AS A FUNDAMENTAL INFORMATION IN THE CREATION OF MASTERY LEARNING MODULES</b> <i>V. Ďuriš, D. Gonda, G. Pavlovičová, A. Tirpáková</i>	8324
<b>GAMIFICATION ACTIVITIES FOR THE CONTINUOUS EVALUATION OF THE SUBJECT AERONAUTICAL TECHNOLOGY</b> <i>A. Sanchez-Carmona, R. Martínez-Val Peñalosa, E. Pérez Cobo, C. Cuerno Rejado</i>	8332
<b>STUDENTS' SATISFACTION WITH DISTANCE LEARNING: INFLUENCE OF TECHNOLOGICAL SKILLS, ACADEMIC INVOLVEMENT AND RESISTANCE TO CHANGE</b> <i>A. Monteiro, C. Pereira, R. Bertuzi, R. Soares</i>	8339



<b>THE IMPACT OF UTILIZING CNC ON ARCHITECTURAL ENGINEERING AND INTERIOR DESIGN PEDAGOGIES</b> <i>I. Alhoutary, H. Karoui</i>	8348
<b>INTERACTIVE CONTENT DELIVERY IN ENGLISH-MEDIUM UNIVERSITIES: IMPLICATIONS FOR NON-NATIVE SPEAKING LECTURERS AND STUDENTS</b> <i>M. Ismailov</i>	8358
<b>WHY ARE OUR TEACHERS SILENT? EXPLORING SELF-DETERMINATION IN POST-GLASGOW SUSTAINABILITY AND CLIMATE CHANGE EDUCATION</b> <i>M. Ismailov</i>	8363
<b>A VIRTUAL EXCHANGE PROJECT ENHANCES DIGITAL LITERACIES AND INTERCULTURAL COMPETENCE</b> <i>K. Korkealehto</i>	8368
<b>STUDENT ENGAGEMENT IS ESSENTIAL IN BLENDED AND ONLINE LANGUAGE LEARNING</b> <i>K. Korkealehto</i>	8373
<b>PERSUADING THE READER - A CASE STUDY OF INSIGHTS INTO EFL WRITING</b> <i>K. Yambay de Armijos</i>	8377
<b>IMMERSIVE TEACHING IN INTERCULTURAL NEGOTIATIONS FOR SALES PERSONNEL IN MANAGEMENT STUDIES – THE CASE OF GLOBAL AUTOMOTIVE DISTRIBUTOR APPOINTMENT</b> <i>M. Stirzel</i>	8387
<b>AN ITALIAN UNIVERSITY DASHBOARD: A TOOL FOR MONITORING LEARNING</b> <i>E. Bortolotti, G. Paoletti</i>	8393
<b>LABORATORY VIRTUALIZATION DURING THE COVID19 PANDEMIC AT THE NATIONAL UNIVERSITY OF COLOMBIA</b> <i>F. Olarte, L.K. Herrera-Quintero</i>	8399
<b>SCAFFOLDING VOCATIONAL STUDENT TEACHERS' COMPETENCE DEMONSTRATION ON THEIR EPORTFOLIOS</b> <i>A.M. Korhonen</i>	8400
<b>'LOCKDOWN' AGILITY OF ACADEMIC STAFF: EXPERIENCES AND PERSPECTIVES</b> <i>D. Cranfield, I. Venter, R.J. Blignaut, A. Tick</i>	8405
<b>COMPLIANCE AND STRATEGIES FOR THE DEVELOPMENT OF CRITICAL THINKING AS PREDICTORS OF LEARNING OUTCOMES OF UNIVERSITY STUDENTS</b> <i>M. Berinšterová, M. Kosturková, J. Kapová</i>	8415
<b>A LEARNING-PHYSICAL ENVIRONMENT AND LEARNING FUNCTIONS AMONG STUDENTS FROM THE POINT OF VIEW OF TEACHERS</b> <i>J. Abu Hussain</i>	8421
<b>AN INTERNATIONAL COLLABORATION IN A DESIGN POSTGRADUATE</b> <i>M. Alcalà, F. Séculi, F. Julián, F.X. Espinach</i>	8422
<b>KITCHENS UTENSILS FOR GIRLS, CARS FOR BOYS? GENDER STEREOTYPES IN PRESCHOOL EDUCATION IN LITHUANIA</b> <i>I. Stonkuviene, G. Purvaneckiene</i>	8428
<b>CHALLENGES EXPERIENCED BY TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING COLLEGES IN PRODUCING SKILLED WORKFORCES IN SOUTH AFRICA: IMPLICATIONS FOR CONTINUOUS PROFESSIONAL DEVELOPMENT</b> <i>M. Makgato</i>	8429
<b>LEARNING ABOUT COMPUTER PROGRAMMING WITH COMPUTER GAMES</b> <i>C. Angeli, K. Tortouri</i>	8436
<b>NEUROMARKETING AND BUSINESS: A MATTER OF INVESTMENT IN THE IBERIAN PENINSULA</b> <i>A. Costa, J. Pires, M. Mendes, A. Vazzoler-Mendonca, V. Capellini, C. Costa-Lobo</i>	8437
<b>PROPOSAL OF AN AGILE METHOD FOR THE DESIGN OF THEMED HIGH EDUCATION PRACTICAL ACTIVITIES</b> <i>P. Perniás Peco, M. Marco Such, A. Sanchez Diaz, D. Tomás Díaz, F.B. Navarro Colorado, G. Candela Romero</i>	8446
<b>FORMATIVE DIALOGUE (HYBRID) FOSTERS ACTIVE LEARNING? TWO CASE STUDIES</b> <i>A. Soeiro</i>	8452
<b>EDUCATION IN CROATIA DURING A COVID-19 LOCKDOWN</b> <i>M. Mladenović</i>	8457

<b>IMPLEMENTING QUALITY STEM EDUCATION IN TIMES OF SOCIAL DISTANCING</b> <i>M. Caplan</i>	8463
<b>EXPERIENCE-BASED METHODOLOGY: AN APPLICATION IN A LEADERSHIP COURSE IN A HUMAN RESOURCES MASTER'S PROGRAM</b> <i>H. Torrez Meruvia, M. Vilà, J. Azcue</i>	8473
<b>SOFTWARE DEVELOPMENT PROCESS IN HEALTHCARE INFORMATICS – A DIGITAL EDUCATION EXPERIENCE</b> <i>K. Stoeckelmayr, M. Tesar</i>	8474
<b>THE STUDIO-BASED APPROACH TO SUSTAINABLE FASHION: PRACTICES OF FASHION DESIGN STUDENTS IN THE INDIAN CLASSROOM</b> <i>X. Lin, M.O. Ingaramo</i>	8480
<b>A COMPARATIVE ANALYSIS OF STUDENT PERFORMANCE BETWEEN THE PRE AND POST-COVID DELIVERY OF THE PROGRAMMING MODULES</b> <i>J. Adhikari, A. McGowan, P. Sage</i>	8490
<b>A PROFESSIONAL DEVELOPMENT TEACHER TRAINING IN DESIGN THINKING APPROACH FOR HIGHER STUDENTS' ACADEMIC SUCCESS</b> <i>M. Tramonti, A.M. Dochshanov</i>	8495
<b>DIGITAL STORYTELLING AND GAMES TO STEM SKILLS DEVELOPMENT</b> <i>A.M. Dochshanov, M. Tramonti</i>	8503
<b>STAFF PERCEPTION OF ISO 9001 STANDARD BASED QUALITY MANAGEMENT SYSTEM AT A HIGHER EDUCATION INSTITUTION</b> <i>M. Seppälä</i>	8512
<b>MEASURING THE EFFECTS OF A DYNAMIC SENTIMENT ANALYZER WITHIN ONLINE SOCIAL NETWORKING SOFTWARE DURING COVID-19</b> <i>B. Thoms, E. Eryilmaz</i>	8521
<b>THE EFFECT OF PANDEMIC ON THE TEACHERS' PERCEPTION OF TEACHING AND LEARNING IN ONLINE ENVIRONMENT</b> <i>S. Kučina Softić, J. Lasić-Lazić, V. Tropša</i>	8531
<b>TIME TO DEGREE AND COMPLETION RATE IN GRADUATE STUDY PROGRAMMES ON FACULTY OF INFORMATICS AND STATISTICS - PRAGUE UNIVERSITY OF ECONOMICS AND BUSINESS</b> <i>M. Maryska, P. Doucek, L. Nedomova</i>	8538
<b>AN ACTIVE LEARNING METHOD BASED ON PEER ASSESSMENT EXPERIENCE WITH FEEDBACK PROCESS</b> <i>A. Nardi-Ricart, M. Oliva Herrera, R.M. Aparicio Pelegrín, A. Viscasillas Clerch, E. Cano García, L. Halbaut Bellowa</i>	8545
<b>EVALUATION OF DIGITAL SKILLS FOR MARITIME STUDENTS</b> <i>A. Sharma</i>	8552
<b>DEVELOPMENT OF RESOURCES FOR BLENDED LEARNING: DESIGN OF SIMULATORS IN SCIENTIFIC-TECHNICAL EDUCATION</b> <i>M.T. García, M.S. Carmona, J. Frades, M.A. Alonso, A. Carnicer, M.C. Lopez, C.M. Fernandez Marchante, L. Rodriguez-Benitez</i>	8560
<b>MOTOR SKILLS IN RELATION WITH PERCEPTUAL MATURITY IN FIRST GRADERS</b> <i>Z. Rehtik, L. Miklánková, M. Pugnerová, A. Navrátilová</i>	8567
<b>AGILE METHODOLOGY IN THE DIGITISATION PROCESS OF EDUCATIONAL ACTIVITIES</b> <i>M. Recchioni, G. Racinelli</i>	8573
<b>REVERSE TENDENCIES IN READING AND WRITING IN THE CONTEXT OF A CHILD MOTOR SKILLS LEVEL</b> <i>L. Miklánková, M. Pugnerová, Z. Rehtik, N. Navrátilová</i>	8580
<b>THE ISSUE OF PREREQUISITES FOR READING IN RELATION TO THE DEVELOPMENT OF PERCEPTION AND MOTOR SKILLS IN THE CONDITIONS OF PRIMARY SCHOOL</b> <i>M. Pugnerová, L. Miklánková, Z. Rehtik, M. Skoupilová</i>	8587
<b>INITIATIVES TO PROMOTE SCIENCE CAPITAL AMONG SECONDARY EDUCATION STUDENTS</b> <i>A. Picallo-Perez, P. Sarriugarte, J.M. Sala-Lizarraga, D. Solabarria</i>	8593
<b>LEVEL OF READINESS TO READ IN CHILDREN AFTER STARTING COMPULSORY SCHOOL ATTENDANCE</b> <i>M. Otavová, M. Pugnerova, Z. Rehtik, M. Skoupilová</i>	8599

<b>INSPIRE: FOURTH INDUSTRIAL REVOLUTION TEACHING IN THE CLASSROOM A MULTI-DISCIPLINARY COLLABORATIVELY DESIGNED PILOT PROJECT</b> <i>O. Howson, P. Charlton, F. Iniesto, W. Holmes</i>	8604
<b>VIRTUALLY LEARNING... OR NOT?</b> <i>O. Howson</i>	8614
<b>RECONSIDERING WHAT IS 'ACADEMIC' IN THE ACADEMIC WORD LIST</b> <i>J. Noguchi, N. Kunioshi, K. Tojo</i>	8621
<b>MATCH OR MISMATCH? LESSONS LEARNT FROM USING THIRD-PARTY E-LEARNING ONLINE PLATFORMS ALONGSIDE EXISTING VIRTUAL LEARNING ENVIRONMENT IN THE DELIVERY OF A FIRST-YEAR UNDERGRADUATE COURSE</b> <i>C. Ciachir, A. Holland</i>	8628
<b>BUILDING ABSTRACTION LAYERS FOR MACHINE SUPPORTED TEACHING</b> <i>E.G. Haffner</i>	8636
<b>SERVICE-LEARNING FOR UNIVERSITY STUDENTS: A MINING EDUCATION PROPOSAL FOR THE COMMUNITY</b> <i>B. Salgado-Almeida, J. Mendez-Ruiz, P. Campoverde Muñoz, P. Romero-Crespo, S. Jiménez-Oyola</i>	8642
<b>INCLUSION OF STUDENTS WITH SPECIAL EDUCATIONAL NEEDS WITHIN HIGHER EDUCATION IN HONG KONG: CHALLENGES AND ACCOMMODATIONS DURING COVID-19 PANDEMICS</b> <i>V. Lee, G. Chao</i>	8650
<b>APPLICATION OF THE SPC MODEL FOR THE DEVELOPMENT OF EMPATHY IN UNIVERSITY CLASSROOMS</b> <i>A. Aguelo, C. Sanz, T. Coma, P. Álvarez, S. Baldassarri</i>	8651
<b>THE RC CIRCUIT AS A BRIDGE FOR LEARNING THE ELECTROTONIC CONDUCTION IN AXONS</b> <i>J.M. Bergues, D. Acebes de la Arada</i>	8655
<b>PEDAGOGICAL APPROACHES TO SUPPORTING MULTILINGUALISM IN THE FIRST-YEAR WRITING CLASSROOM</b> <i>A. Emanuel Smith, A. Chang, E.R. Smith</i>	8660
<b>ZERO WASTE PROJECT: CIRCULARITY IN ARCHITECTURAL DESIGN</b> <i>J. Mosquera González, J. Ullargui Agurruza, S. de Miguel García, R. Delso Gutiérrez, I. Collado Baillo, N. Montenegro Mateos, C. Palacios Rodríguez, M. Pascual García, L. Villalba Rubio, J. de Andrés de Vicente, L.E. Porcar Pérez, T. Martínez López, C. Rubio Zugadi</i>	8666
<b>DIGITAL STRATEGIES IN HIGHER EDUCATION – FROM DIGITAL COMPETENCES TO DIGITAL TRANSFORMATION</b> <i>I. Ogrizek Biškupić</i>	8675
<b>THE CHALLENGES AND BENEFITS OF INSIDER RESEARCH WITHIN A PROFESSIONAL DOCTORAL STUDY – AN EXPLORATION OF EXPERIENCE AND REVIEW OF CURRENT LITERATURE</b> <i>D. Bell</i>	8685
<b>METHODOLOGY FOR THE DESIGN OF SOCIALLY RESPONSIBLE CURRICULUM</b> <i>A. Jose, L. Cardoso, G. Marques, M.J. Varadinov, M.C. Guerra, J. Swietoniowska, M. Vignoli, E. Guerci</i>	8691
<b>ACHIEVE SUSTAINABILITY GOALS THROUGH INNOVATIVE TEACHING AND LEARNING PRACTICES IN SHORT-CYCLE HIGHER TECHNICAL COURSES: THE CASE OF THE MARKETING DISCIPLINE</b> <i>S. Filipe</i>	8692
<b>THE CHALLENGE OF TRANSITION FROM FACE-TO-FACE TO REMOTE LEARNING IN MOROCCAN RURAL SCHOOLS</b> <i>J. Alladatin, I. Al-Chikh</i>	8693
<b>TYPOLOGY OF HEADTEACHER'S INITIAL TRAINING</b> <i>J. Alladatin, I. Al-Chikh</i>	8694
<b>EVALUATION OF THE DIGITAL SKILLS OF MOROCCAN RURAL FAMILIES</b> <i>I. Al-Chikh, J. Alladatin, A.K. Toko</i>	8695
<b>FROM FACE-TO-FACE TO REMOTE LEARNING CHALLENGES</b> <i>I. Pkhakadze, T. Kordzadze</i>	8696
<b>IMPLEMENTATION OF SERVICE LEARNING AND "LIVING LIBRARIES" CONCEPTS AS A KEEPING OF STUDENTS IN CAREER EDUCATION OF SOCIAL PEDAGOGY THROUGH DISTANCE TEACHING DURING THE PANDEMIC COVID-19 PERIOD</b> <i>K. Liberčanová</i>	8697
<b>A FRAMEWORK FOR APPROACHING CHATBOTS IN PROJECT-BASED LEARNING</b> <i>A. Sanchez Diaz, M. Marco Such, M.D. Sáez, M.P. Escobar, A. Mate, J.L. Vicedo, J.C. Trujillo</i>	8707

<b>GROUP WORK ON MIDTERM AND FINAL EXAMS IN THE REMOTE TEACHING AND LEARNING CONTEXT AND BEYOND</b> <i>L. Chen</i>	8715
<b>THE RELATIONSHIP BETWEEN THE TEACHER'S SENSE OF SELF-EFFICACY AND THE ASSIMILATION OF INNOVATIVE TECHNOLOGY AMONG TEACHERS IN SECONDARY SCHOOLS</b> <i>E. Wasserman, H. Nizan</i>	8724
<b>UNLEARNING LEARNING: A 5TH GRADER'S PERSPECTIVE OF LEARNING DURING THE PANDEMIC</b> <i>S. Abdul-Aziz, L. Adams</i>	8725
<b>BENEFITS OF THE IMPLEMENTATION OF A LEARNING-TEACHING PROCESS BASED ON THE WEBQUEST IN OCCUPATIONAL THERAPY STUDENTS: A RANDOMIZED CONTROLLED TRIAL</b> <i>F. Artacho-Cordón, M.I. Núñez</i>	8732
<b>THE APPLICATION OF NEW METHODOLOGIES IN HYBRID TEACHING: LEARNING FROM COVID-19</b> <i>J. Vena-Oya, A. Calahorro-López, A.B. Mudarra-Fernández, D. Fernández-Uclés</i>	8738
<b>AUGMENTED REALITY FOR IMMERSIVE UNIVERSITY LEARNING</b> <i>A.B. Mudarra-Fernández, D. Fernández-Uclés, J. Vena-Oya, A. Calahorro-López</i>	8739
<b>IMPLEMENTATION OF VIRTUAL LABORATORIES WITH JUPYTER NOTEBOOKS: PRACTICAL EXPERIENCES IN COMPUTER SCIENCE AND MATHEMATICS</b> <i>A. Cobo, R. Rocha, M. Collantes, J.E. Espinola, E. Mora</i>	8746
<b>DESKTOP VIRTUAL REALITY ENVIRONMENTS FOR SPATIAL ORIENTATION SKILL TRAINING</b> <i>C. Carbonell-Carrera</i>	8754
<b>IRRATIONAL AND RATIONAL FOOD BELIEFS AND THE BENEFITS OF A CROSS-CUTTING ACTIVITY IN UNDERGRADUATE STUDENTS: A PILOT STUDY IN OCCUPATIONAL THERAPY STUDENTS</b> <i>F. Artacho-Cordón, M.I. Núñez</i>	8759
<b>CREATING PEDAGOGICAL MATERIAL FOR THE 21ST CENTURY: ANALYSIS OF AN INTERDISCIPLINARY COURSE WITHIN THE SCOPE OF THE ERASMUS+ PROGRAMME</b> <i>L. Dantas, D. Franco, I. Canhoto, E. Estrela, M. Calvet-Ricardo, M. Gonçalves, O. Sousa, J. Brás, B. Koppe</i>	8765
<b>TO END GLOBAL EDUCATION CRISIS, GOVERNMENTS HAVE TO BECOME AWARE AND SENSITIVE TO WHAT STOPS ABOUT 50% OF THE GLOBAL STUDENTS POPULATION FROM GOING TO SCHOOL: A SNAPSHOT OF A REPLICABLE MODEL IN INDIA</b> <i>S. Bose</i>	8766
<b>INSTITUTIONAL ACCREDITATION ACROSS EUROPE: DO ASSESSMENT CRITERIA MIRROR HIGHER EDUCATION'S MISSIONS?</b> <i>O. Tavares, C. Sin</i>	8776
<b>NAVIGATION USER EXPERIENCE IN A 3D VIRTUAL ENVIRONMENT</b> <i>C. Carbonell-Carrera</i>	8781
<b>EXPLORATORY FACTOR ANALYSIS OF THE SPANISH VERSION OF THE BELIEFS ABOUT PEER-FEEDBACK QUESTIONNAIRE</b> <i>N. Ruiz-Robledillo, N. Albaladejo-Blázquez, V. Clement-Carbonell, J. Vela-Bermejo, M. Rubio-Aparicio, I. Portilla-Tamarit, B. Costa-López, R. Ferrer-Cascales</i>	8787
<b>EMPOWERING TEACHERS WHILE ENGAGING STUDENTS</b> <i>K. Eini</i>	8794
<b>FROM BLENDED TO REMOTE AND BACK TO HYBRID: A NEW LANGUAGE TEACHING PARADIGM</b> <i>N. Radić</i>	8795
<b>A CONVERSATION WITH MY PEERS ON LEARNING AND TEACHING PROGRAMMING</b> <i>T. Tran, G. Torrisi-Steele</i>	8796
<b>VOCATIONAL EDUCATION &amp; TRAINING (VET) AND THE FOURTH INDUSTRIAL REVOLUTION (4IR): SUGGESTIONS TOWARDS A SUCCESSFUL EMBRACEMENT</b> <i>S. Pitsikalis, C. Vitsilaki, D. Gouvias</i>	8803
<b>OPPORTUNITIES AND CHALLENGES FOR VR-MEDIATED EDUCATIONAL RESOURCES: AN EDUCATORS' PERSPECTIVE</b> <i>R. Sims, A. Karnik</i>	8810

<b>HOW TO EFFECTIVELY INTEGRATE AUGMENTED REALITY IN SECONDARY EDUCATION IN THE FIELDS OF STEM</b> <i>I.E. Lasica, M. Meletiou-Mavrotheris, K. Katzis</i>	8820
<b>LEARNING BY DOING: PROMOTING ENVIRONMENTAL AND SUSTAINABLE EDUCATION THROUGH GAME-CREATION ACTIVITIES</b> <i>P. Beça, M. Aresta</i>	8825
<b>THE IMPORTANCE OF THE EXPERIMENTAL METHOD IN BIOLOGY TEACHING IN THE HIGH SCHOOL - APPLICATION ASPECT</b> <i>V. Županec, T. Lazarević, T. Pribičević</i>	8832
<b>INCLUSION OF ADULTS IN LEARNING BIOLOGY THROUGH APPLICATION OF PROBLEM-BASED LEARNING</b> <i>V. Županec, A. Bakić, T. Lazarević, T. Pribičević</i>	8838
<b>NEW FORMS OF PRESENTING ASSIGNMENTS: PRE-RECORDED VIDEOS AS AN ALTERNATIVE TO ORAL PRESENTATIONS IN THE “ANIMAL BREEDING” COURSE</b> <i>A. Suárez-Vega, H. Marina, L.F. de la Fuente, Y. Bayón, J.J. Arranz, B. Gutiérrez Gil</i>	8847
<b>INVESTIGATING THE EFFICACY OF RETRIEVAL PRACTICE: A STUDY WITH UNDERGRADUATE NURSING STUDENTS</b> <i>L. Messineo, M. Gentile, M. Allegra</i>	8851
<b>IMPROVING ACADEMIC PERFORMANCE THROUGH THE COMBINATION OF CANVAS AND BLACKBOARD LEARN PLATFORMS IN MASTER'S DEGREE STUDENTS</b> <i>S. Rubio-Arraez</i>	8856
<b>GAME-BASED LEARNING THROUGH THE SOCRATIVE DIGITAL TOOL TO IMPROVE THE MOTIVATION OF POSTGRADUATE STUDENTS</b> <i>S. Rubio-Arraez</i>	8863
<b>MEDIA LITERACY IN ELT PRE-SERVICE TEACHER TRAINING</b> <i>T. Harakchiyska</i>	8870
<b>PERTUS - A SOFTWARE SYSTEM FOR PERSONALIZED TEACHING AND ASSESSMENT</b> <i>J. Fonseca</i>	8878
<b>INCREASING STUDENT ENGAGEMENT IN TURBULENT TIMES: TWO MINI-CASES FROM ICELAND</b> <i>G. Oskarsson, E. Svansson</i>	8883
<b>BARRIERS THAT HINDER INCLUSIVE ONLINE EDUCATION AND THE GOOD PRACTICES IN DIGITAL PEDAGOGY</b> <i>A. Samarakkody, C. Malalgoda, D. Amaratunga, R. Haigh</i>	8884
<b>TEACHING HEALTH, NOT DISEASE, TO STUDENTS IN THE HEALTH CARE PROFESSIONS</b> <i>S. Elgelid</i>	8892
<b>COMBINING PROBLEM-BASED LEARNING AND ROLE-PLAY TO TEACH INTERNATIONAL ECONOMIC POLICY</b> <i>J.C. Palacios Cívico</i>	8893
<b>APPLICATION OF AN ONLINE INTERACTION MODEL IN WIDE GROUPS BASED ON COLLECTIVE INTELLIGENCE MODELS TO IMPROVE LEARNING THROUGH THE THINK-UP PLATFORM</b> <i>M.P. García Pardo, S. Orejudo Hernández, B. Masluk, F. Eguinoa, P. Villarrocha</i>	8897
<b>HOW DO SCHOOL LEADERS ENGAGE WITH AND INFLUENCE THEIR STAFF TO MAXIMISE THE IMPACT OF LEARNING NETWORKS?</b> <i>L. Devlin, R. Morgan-Guthrie, T. Wallis</i>	8898
<b>ABILITY TO READ AND INTERPRET FOOD LABELS: TRAINING PROJECT IN A HIGH SCHOOL IN THE CITY OF TURIN, ITALY</b> <i>D.M. Bianchi, C. Ferraris, C. Tramuta, L. Decastelli</i>	8906
<b>ANALYSIS OF STUDENT PERFORMANCE IN FACE-TO-FACE VERSUS STIMULATED ONLINE LEARNING</b> <i>O. Anđjelic, P. Lakcevic, Z. Rakicevic, M. Radojicic</i>	8907
<b>DISCOVER AND EXPERIENCE MATH. DYNAMIC CLASSROOM MODEL APPLICATION IN TEACHING AND LEARNING PRIMARY SCHOOL MATH</b> <i>R. Papancheva</i>	8913
<b>DESIGNING LEARNING ENVIRONMENTS IN EARLY CHILDHOOD: EDUCATIONAL PRINCIPLES AND PEDAGOGICAL CRITERIA IN REGGIO CHILDREN APPROACH</b> <i>E. Palomba</i>	8923

<b>HOW TO BEAT GENDER STEREOTYPES IN EARLY CHILDHOOD EDUCATION: GUIDELINES ON TEACHING PRACTICES</b> <i>E. Palomba</i>	8930
<b>THROUGH THE EYES OF AN INTERN: REFLECTING THE ROLES OF LEARNING DESIGNER IN THE TRANSITION FROM FACE-TO-FACE TO ONLINE LEARNING</b> <i>W. Prasetyawati, D. Gannaway</i>	8939
<b>AN EXPLORATORY STUDY ON THE PROMOTION OF INFORMATION LITERACY AMONG SECONDARY SCHOOL PUPILS IN THE CONTEXT OF THEIR FIRST CONTACT WITH SCIENTIFIC RESEARCH</b> <i>P. Druschke, S. Al-Diban</i>	8946
<b>A NEW ONLINE DOCTORAL DEGREE FOR WORKING ENGINEERING PROFESSIONALS</b> <i>T. Mazzuchi, S. Sarkani</i>	8957
<b>A SURVEY RESEARCH ON THE MORAL JUDGMENT OF PRE-SERVICE TEACHERS IN TAIWAN: A PILOT STUDY</b> <i>T.H. Peng, T.H. Wang</i>	8958
<b>FROM BLOCKS TO SCRIPT. SOME ACCENTS AND EXAMPLES OF CODING COMPETENCIES DEVELOPMENT AT SCHOOL LEVEL</b> <i>R. Papancheva, T. Glushkova</i>	8962
<b>CHALLENGES IN TEACHERS' WORK IN FACILITATING THE LEARNING OF THE LATVIAN LANGUAGE DURING COVID-19 RESTRICTIONS</b> <i>D. Markus, A. Tauriņa, T. Zīriņa</i>	8969
<b>VIRTUAL INTERNSHIPS: CHANGING THE CAREER TRAJECTORY OF UNDERREPRESENTED POPULATIONS</b> <i>M. Dugo</i>	8977
<b>TEACHERS' PERCEPTIONS ON IMPLEMENTING MOBILE AR FOR THE TEACHING OF ITALIAN AS ANOTHER LANGUAGE</b> <i>M. Manna</i>	8978
<b>DEVELOPING STUDENTS' DIGITAL COMPETENCIES - 21ST CENTURY TEACHING SKILLS: BASED ON SELF-ASSESSMENT OF HIGHER EDUCATION TEACHERS</b> <i>L. Luić</i>	8979
<b>INTEGRATING SUSTAINABILITY DEVELOPMENT OBJECTIVES IN A UNIVERSITY SUBJECT</b> <i>R. Chalmeta, M. Palop-Belloch, J. González-Darder</i>	8989
<b>EXPERIENCES IN THE DEVELOPMENT OF A GENDER AND HUMAN RIGHTS COURSE</b> <i>M. Palop-Belloch, R. Chalmeta, J. González-Darder</i>	8993
<b>DISTANCE NOT DISTANT – AN EXPLORATION OF EXPERIENCES AND STUDENT PERCEPTIONS OF PERSONAL ACADEMIC TUTORS FOR INDEPENDENT DISTANCE LEARNING TRAINEE TEACHERS</b> <i>D. Ross, D. Bell</i>	8999
<b>A COMPARATIVE ANALYSIS ON TWO DIFFERENT DIDACTICAL APPROACHES TO THE REMOTE TEACHING EXPERIENCE</b> <i>F. Brevi, K. Bettin</i>	9000
<b>TEENAGERS INSTAGRAM USE AND ITS RELATIONSHIP WITH ANXIETY LEVELS AND EMOTIONAL REGULATION, DIFFERENCES BY SEX</b> <i>C. Sisí, M.P. Fernández, A. Escalona, M. Redondo, E. Ruiz, R. Reyes</i>	9001
<b>PROFESSIONAL AND PEDAGOGICAL LEARNING ABOUT VIRTUAL TEACHING DEVELOPED BY PRE-SERVICE TEACHERS DURING THE PANDEMIC</b> <i>J.M. Garrido-Miranda, G. Contreras-Perez, S. Catalan-Henriquez</i>	9010
<b>SHADOWS AND MARKS: THE POTENTIAL NARRATIVE OF CHILDREN ABOUT WAR</b> <i>A. Pereira, I. Freire-Ribeiro, E. Mesquita</i>	9019
<b>INCLUSION OF ICT SKILLS, DIGITAL LITERACY AND OPEN SOURCE PLATFORMS IN THE TEACHING OF INDUSTRIAL DESIGN APPLIED TO SMART AGRICULTURE</b> <i>A. Faoro, M.E. Romero, M. Frausin</i>	9027
<b>INTEGRATED SCIENCE (IS) FOR MIDDLE SCHOOL VIA INTERACTIVE DIGITAL BOOK</b> <i>K. Intiaz, N. Mahmood</i>	9032
<b>A TRANSCRIPTION-BASED LEARNING ENVIRONMENT FOR A TONE LANGUAGE</b> <i>P. Zongo, T.F. Ouedraogo, L. Capus</i>	9042

<b>INTERGENERATIONAL CHALLENGES: A CASE STUDY ON THE AUTOMOTIVE INDUSTRY</b>	9050
<i>M. Amorim, M. Ferreira Dias, M. Almeida</i>	
<b>INTERNATIONAL EXPERT COURSE AS AN EXAMPLE OF COLLABORATION BETWEEN EUROPEAN UNIVERSITIES, RESEARCH CENTERS AND THE INDUSTRY FOR THE DEVELOPMENT OF THE ESSENTIAL OILS SECTOR AND ENTREPRENEURSHIP</b>	9055
<i>C. Calderón-Guerrero, J.L. García, M.C. Giménez, C. Cordón</i>	
<b>APPLICATION OF NATURE-BASED SOLUTIONS AND USE OF MONITORING AIR&amp;WATER POLLUTION SENSORS THROUGH LOW-COST MINI-PORTABLE MEASUREMENT STATIONS TO PROMOTE ENVIRONMENTAL AWARENESS IN SECONDARY EDUCATION</b>	9063
<i>C. Calderón-Guerrero, M. Almestar, M. Marchamalo, S. Sastre, M. Martínez</i>	
<b>MINDFULNESS AND TECHNOLOGY: CAN THEY BE TWO SIDES OF THE SAME COIN?</b>	9074
<i>K. Karadjova-Kozhuharova, R. Baker</i>	
<b>INTEGRATION OF EDUCATIONAL RESOURCES FOR ELECTRICAL CIRCUITS</b>	9083
<i>G. Mata Hernández</i>	
<b>CMU CS ACADEMY: A TEXT-BASED PROGRAMMING LANGUAGE APPROACH FOR HIGH SCHOOL COMPUTER SCIENCE EDUCATION</b>	9091
<i>M. Taylor, E. Cawley, S. De Jesus, M. Stehlik, D. Kosbie</i>	
<b>AWARENESS OF ACADEMIC INTEGRITY IN SOCIAL SCIENCE STUDENTS AT REGIONAL HIGHER EDUCATION INSTITUTIONS IN LATVIA</b>	9101
<i>A. Pīpere, S. Zariņa, D. Iliško, I. Kokina, J. Davidova</i>	
<b>SPATIAL MOBILITY AND ACCESS TO SPECIALIZED EDUCATIONAL SERVICE: STUDENTS WITH DISABILITIES IN THE NORTHEAST REGION OF BRAZIL</b>	9111
<i>A.T. Araújo de Almeida, W. Fusco, J. Campos, A.A. Sousa Fontoura, M. Calle Aguirre</i>	
<b>THE CELL COLLECTIVE EXPERIENCE: BUILDING COMPUTATIONAL MODELS TO UNDERSTAND BIOLOGICAL SYSTEMS</b>	9120
<i>G. Tang, Z.Z. Lieu</i>	
<b>WHAT DO SYSTEMATIC LARGE SCALE ASSESSMENT TESTS ANALYSIS IN MATHEMATICS SHOW?</b>	9127
<i>M. Mikite, G. Burgmanis, I. France, D. Namsone</i>	
<b>TEACHERS' BELIEFS ABOUT MEDIA LITERACY AS A COMPONENT OF AGENCY</b>	9133
<i>L. Valdmāne, S. Zariņa</i>	
<b>MUSEUM AS AN IMPORTANT EDUCATIONAL RESOURCE FOR STUDENTS OF HISTORY AND CULTURAL HERITAGE IN RUSSIA AND SPAIN</b>	9140
<i>M. Moseykina, K. Filimonova, E. Kargovskaia, V. Kuznetsova</i>	
<b>E-LEARNING IN ORTHOPAEDIC SURGERY POSTGRADUATE TRAINING</b>	9145
<i>P. Molchovski, K. Tokmakova</i>	
<b>EDUCATIONAL PROGRAMS OF THE COLLECTION OF THE RUSSIAN MUSEUM IN MALAGA AS A WAY OF BILATERAL INTERCULTURAL DIALOGUE IN THE NEW CENTURY</b>	9149
<i>K. Filimonova, M. Moseykina, E. Kargovskaia, V. Kuznetsova</i>	
<b>HOW CAN ROBOTICS AND PROGRAMMING AFFECT CHILDREN'S COMPUTATIONAL THINKING SKILLS THROUGH REAL LIFE SCENARIOS?</b>	9153
<i>E. Xerou, C. Angeli</i>	
<b>POST-STROKE REHABILITATION THROUGH FUNCTIONAL ELECTROSTIMULATION: PATIENT EXPERIENCE AS THE FOCUS OF DESIGN PROCESS</b>	9160
<i>G.F. Patellaro, M.E. Romero, M. Frausin</i>	
<b>A CONCEPT OF A DIGITAL ASSISTANT TO SUPPORT PRACTICAL PHASES IN (COOPERATIVE) STUDIES: HOW DIGITALIZATION AND PERSONALIZATION STRENGTHEN THE LINK BETWEEN THEORY AND PRACTICE</b>	9165
<i>O. Resch, A. Yankova</i>	
<b>USING EXCEL FOR CREATING MULTIPLE VERSIONS OF AN EXAM</b>	9174
<i>N. Carson</i>	
<b>NURSES' ATTITUDES TOWARDS ACADEMIC DISHONESTY</b>	9175
<i>U. Kõrgemaa</i>	
<b>WILLING SUSPENSION OF SCHIZOPHRENIA: LEARNING FROM LUDO-NARRATIVE DISSONANCE IN COMPUTER GAMES</b>	9182
<i>B. Kampmann Walther</i>	

<b>SURVEY FINDINGS ON THE SPREAD OF DESIGN THINKING IN ARAB COUNTRIES: THE EDUCATIONAL SECTOR AS A DRIVING FORCE, AND ITS CURRENT CHALLENGES</b>	9188
<i>H. Traifeh, J. von Theinin, R. Abou Refaei, C. Meinel</i>	
<b>THE IMPACT OF VIRTUAL REALITY (VR), SOCIAL MEDIA AND GAMIFICATION ON LEARNER ENGAGEMENT: RE-IMAGINING AN ONLINE STUDY SPACE FOR UNIVERSITY STUDENTS</b>	9198
<i>D. Degiorgis, D.T. Ivan, S. Mudgal, I. Oosterloo, H. Pouranian, P. Prabhav, D. Vlachopoulos</i>	
<b>CURRENT STATE OF INITIAL PRESCHOOL TEACHER TRAINING IN BULGARIA AND THE BALKAN REGION COUNTRIES</b>	9205
<i>G. Georgieva</i>	
<b>KEY COMPETENCES IN INITIAL PRESCHOOL TEACHER TRAINING - THE ROLE OF ETWINNING AND ERASMUS+</b>	9211
<i>G. Georgieva</i>	
<b>HIGHER EDUCATION STRATEGY TO REDUCE AN ORGANIZATION'S DIGITAL CARBON FOOTPRINT DERIVED FROM CYBERSECURITY POLICIES</b>	9218
<i>I. Bandara, F. Ioras</i>	
<b>LECTURERS' PERSPECTIVES ON FIRST-YEAR ACCOUNTING STUDENTS' ADJUSTMENT TO UNIVERSITY LIFE AT A SOUTH AFRICAN UNIVERSITY OF TECHNOLOGY</b>	9229
<i>M. Mokhampanyane</i>	
<b>WEEKLY PREDICTION OF AT-RISK STUDENTS USING DATA MINING</b>	9230
<i>M. Jawthari, V. Stoffova</i>	
<b>SPACED REPETITION SYSTEM FOR LEARNING MATLAB IN ENGINEERING</b>	9237
<i>I. Bailera, M. Bailera, B. Peña</i>	
<b>CONSEQUENCES OF SOCIAL MEDIA USE ON PSYCHOLOGICAL WELLBEING IN YOUNG ADULTS OVER THE LAST 10 YEARS: A SYSTEMATIC REVIEW</b>	9238
<i>C. Sisí</i>	
<b>LEARNING AND OCCUPATION OF CHILDREN'S LEISURE TIME: CRISSCROSSING SCHOOL AND NON-SCHOOL EDUCATION</b>	9249
<i>E. Mesquita, I. Freire-Ribeiro, A. Sanches, C. Carlos</i>	
<b>WHAT CAN WE LEARN FROM THE COVID-19 EXPERIENCES OF ONLINE LEARNING IN VOCATIONAL EDUCATION FROM THE BRITISH ISLES?</b>	9256
<i>D. Dabbous, K. Emms, A. Laczik, H. Henderson</i>	
<b>AN EXPLORATORY STUDY ON SUPPORTING COLLABORATIVE KNOWLEDGE CREATION ONLINE</b>	9257
<i>E. Siu, S. Wong</i>	
<b>CHATBOT AS A TOOL TO CONNECT SOCIAL NEEDS WITH LEARNING FOR PHYSICAL THERAPY STUDENTS</b>	9265
<i>M. San Miguel-Pagola, A. Buesa-Estellez, J. Echeverría, P. Roldán-Pérez</i>	
<b>SCHOLARLY PAPERS AS A TEACHING TOOL IN COMMUNICATION DESIGN EDUCATION</b>	9266
<i>M. Qunghiotta, C.S. Galasso</i>	
<b>EVALUATION OF GAMIFICATION APPROACH USING VAR FOR DIGITAL CULTURAL HERITAGE</b>	9271
<i>D. De Luca, N. Rimella, E. Bussi, M. Del Giuduce, A. Osello</i>	
<b>FORESIGHT AND SUSTAINABLE FUTURES IN LIFELONG LEARNING - PROFESSIONAL DEVELOPMENT IN ADULT EDUCATION</b>	9279
<i>C. Sjödin, M. Riska, K. Westerén, P. Linderbäck</i>	
<b>NOVEL DISTANCE-LEARNING METHODS TO OVERCOME CHALLENGES CAUSED BY COVID-19 IN UNDERGRADUATE PROGRAMMING COURSES</b>	9284
<i>S.P. Neshaei, A.M. Namjoo, P. Chavoshian, P. Saremi, M.T. Jahani-Nezhad, A. Kousheshi, M.A. Fazli</i>	
<b>ONLINE EVALUATION OF REGULATED EDUCATION IN FINANCE AFTER THE COVID PANDEMIC</b>	9291
<i>M. Vercher-Ferrandiz, F. Salas-Molina, D. Pla-Santamaria, A. Garcia-Bernabeu</i>	
<b>USING EEG TO EXPLORE THE COGNITIVE LOAD OF STUDENTS WITH DIFFERENT MATHEMATICAL ABILITIES INVOLVED IN ANSWERING MATHEMATICS QUESTIONS</b>	9292
<i>S.W. Chen, J.F. Wang, T.H. Wang</i>	
<b>TEACHING OPERATIONS MANAGEMENT TO LAWYERS</b>	9293
<i>F. Salas-Molina, M. Vercher-Ferrandiz, D. Pla-Santamaria, A. Garcia-Bernabeu</i>	



<b>LESSONS LEARNED FROM COVID-19 PANDEMIC REMOTE TEACHING: A CASE STUDY OF THE IMPROVEMENT AND ADJUSTMENT OF THE EDUCATION PROCESS DURING AND AFTER PANDEMIC AT FM TUL</b> <i>L. Kosková Třísková, J. Vraný, I. Kopetschke</i>	9300
<b>A TRAINING FRAMEWORK FOR CYBERSECURITY</b> <i>E. Mitan</i>	9309
<b>DEVELOPING COMPUTATIONAL THINKING AND PROBLEM-SOLVING SKILLS IN EARLY CHILDHOOD AND PRIMARY SCHOOL</b> <i>F. Casasso, C. Fissore, V. Fradiante, M. Marchisio</i>	9316
<b>DATA DRIVEN LEARNING ACTIVITIES IN ENGLISH ON THE SPECIALIZED LANGUAGE OF MATHEMATICS IN SECONDARY SCHOOL</b> <i>C. Fissore</i>	9326
<b>ACADEMIC RESEARCH PROJECTS AS A VEHICLE FOR SUSTAINABILITY</b> <i>M.L. Lara Ortiz</i>	9334
<b>ENHANCING DIGITAL ASSESSMENT THROUGH ARTIFICIAL INTELLIGENCE</b> <i>S. Bezzina, A. Pfeiffer, A. Dingli, T. Wernbacher</i>	9339
<b>OPEN SOURCE PLATFORM ENRICHMENT FOR IMPROVING THE LEARNING PROCESS IN DRUG DISSOLUTION MODELS AND DISSOLUTION PROFILES COMPARISON</b> <i>V. Mangas Sanjuan, I. Usach, R. Talens, A. Nacher, V. Merino-Sanjuan, M. Merino-Sanjuan</i>	9345
<b>ENHANCING ENGLISH LEARNING MOTIVATION THROUGH THE USE OF ROBOT AND VIRTUAL REALITY TECHNOLOGIES</b> <i>Y.L. Chen, C.C. Hsu, H.H. Hsu, W.C. Lien, C.Y. Lin</i>	9352
<b>INTERDISCIPLINARY RESEARCH OF GLAGOLITIC MANUSCRIPTS – NEW APPROACHES TO CULTURAL HERITAGE STUDIES PROJECT KII-06-H60-09/2021: “INTERDISCIPLINARY METHODS AND TOOLS FOR RESEARCH OF MANUSCRIPT HERITAGE”</b> <i>I. Dimitrova</i>	9356
<b>POST PANDEMIC LEARNING: WHAT ABOUT HYFLEX APPROACH?</b> <i>J. Juhary</i>	9361
<b>COMPARING THE COGNITIVE LOAD OF FIELD-DEPENDENCE AND FIELD-INDEPENDENCE STUDENTS IN ANSWERING MATHEMATICS QUESTIONS: FROM THE BEHAVIOR AND EEG EVIDENCE</b> <i>S.W. Chen, J.F. Wang, T.H. Wang</i>	9369
<b>APPLICATION OF THE FINITE ELEMENT METHOD TO THE UNDERSTANDING OF A NON-STEADY STATE HEAT TRANSPORT PROBLEM</b> <i>D. Tarrazó-Serrano, S. Castiñeira-Ibáñez, E. Sánchez-García, M. Gasque, A. Uris, C. Rubio</i>	9370
<b>SUSTAINABLE DEVELOPMENT GOALS AND THEIR IMPLEMENTATION IN PHYSICS</b> <i>S. Castiñeira-Ibáñez, D. Tarrazó-Serrano, M. Gasque, C. Rubio, A. Uris</i>	9378
<b>EDUCATION AND PLAY IN OUTDOOR ENVIRONMENT - PRESCHOOL TEACHERS' VIEWS</b> <i>T. Bahchevanova, E. Kamenova</i>	9384
<b>INTRODUCING MASTER’S STUDENTS INTO GENOMIC SCIENTIFIC REASONING THROUGH AN INTERACTIVE PROBLEM-BASED LEARNING LANDSCAPE: THE CHALLENGE OF IDENTIFYING THE CAUSAL MUTATION OF A SHEEP HEREDITARY DISEASE</b> <i>A. Suárez-Vega, M. Alonso-García, H. Marina, R. Pelayo, J.J. Arranz, B. Gutiérrez-Gil</i>	9390
<b>COMPARING LEARNERS’ MOTIVATIONAL LEVELS FOR TRADITIONAL READING AND ONLINE READING</b> <i>N. Boakye</i>	9396
<b>IMPROVING SKILLS OF PROCESSING AND MAPPING CADASTRAL INFORMATION BY AN INNOVATIVE QGIS PLUGIN WITH TEACHING PURPOSES</b> <i>B. Martín, R. Molinero-Parejo, N. Shurupov, A. Ariza-Álvarez, E. Ortega, M. Navarro-Ligero, M.E. López-Lambas, F. Aguilera-Benavente, J.A. Soria-Lara</i>	9397
<b>ADDRESSING THE “LEAKY PIPELINE”: A REVIEW AND CATEGORISATION OF ACTIONS TO RECRUIT AND RETAIN WOMEN IN COMPUTING EDUCATION</b> <i>A. Berry, S. McKeever, B. Murphy, S.J. Delany</i>	9405
<b>COMMUNICATION DESIGN AND COMPUTATIONAL APPROACHES: OPPORTUNITIES AND CRITICALITIES IN A DISCIPLINARY TRANSFORMATION</b> <i>M. Quaggiotto</i>	9417

<b>DEVELOPMENT OF A TEACHING VIDEO GAME: REVIEWING THROUGH NUMERICAL EXERCISES</b>	9422
<i>K.U. Antela, E. García-Fabre, R. Sáez-Hernández, I. Adam-Cervera, C. Belenguer-Sapiña, A. Pastor, A.R. Mauri-Aucejo, M.L. Cervera, A. Morales-Rubio</i>	
<b>GAME-BASED LEARNING AND CHEMICAL ANALYSIS: AN EXAMPLE FOR ANALYTICAL PRACTICES</b>	9427
<i>K.U. Antela, E. García-Fabre, R. Sáez-Hernández, I. Adam-Cervera, C. Belenguer-Sapiña, A. Pastor, A.R. Mauri-Aucejo, M.L. Cervera, A. Morales-Rubio</i>	
<b>EMERGING FROM THE BLACK BOX: THE TRANSITION FROM ONLINE TO IN-PERSON STUDENT ATTENDANCE</b>	9433
<i>E. Spender, S. Evans</i>	
<b>ITALIAN UNIVERSITY STUDENTS AND DISTANCE LEARNING CAUSED BY THE PANDEMIC, AN OVERVIEW</b>	9440
<i>E. Mattarelli</i>	
<b>UPDATE OF THEORY ASSIGNMENT: ENGAGING STUDENTS IN COURSE DEVELOPMENT</b>	9448
<i>G. Oskarsson</i>	
<b>ENHANCEMENTS FOR DIGITAL TEACHING - PREPARATION AND ADAPTATION OF COURSES FOR DIGITAL TEACHING AND LEARNING BASED ON THE MODULE "DIGITAL MEDIA IN SCHOOL"</b>	9449
<i>F. Funke, S. Hofmann</i>	
<b>TEACHING ADMINISTRATIVE LAW FOR SUSTAINABILITY</b>	9456
<i>M.L. Lara Ortiz</i>	
<b>THE RELATIONSHIP BETWEEN TEACHERS' AUTONOMY SUPPORT AND STUDENTS' MOTIVATION, ACHIEVEMENT AND WELL-BEING</b>	9463
<i>S. Germani, T. Palombi, M. D'Amico</i>	
<b>INTERACTIVE MATH CLASS APPLICATION - BRIDGE BETWEEN TEACHER AND STUDENTS</b>	9470
<i>P. Vondráková, P. Beremlijski</i>	
<b>THE USE OF AUGMENTED REALITY APPLICATIONS IN PORTUGUESE SHOPPING CENTRES: A DOCTORAL THESIS BRIDGING UNIVERSITY AND INDUSTRY</b>	9476
<i>F. Oliveira, R. Raposo</i>	
<b>THE ANALYSIS OF INTERCONNECTIONS BETWEEN SCHOOL CULTURE FEATURES AND TEACHER JOB SATISFACTION</b>	9481
<i>V. Dacienė, R. Bubnys, A. Kazlauskienė</i>	
<b>STUDY ABOUT METHODS AND IMPACT OF INNER DIFFERENTIATION IN BIOLOGY LESSONS OF 9TH GRADERS</b>	9491
<i>M. Ternieten, D. Elster</i>	
<b>PEER MENTORING MODEL IN SAPIENZA UNIVERSITY OF ROME: FIRST RESULTS</b>	9501
<i>P. Sposetti, G. Szpunar, G. Vincenti, E. Mattarelli, S. Gabrielli, M.G. Rionero</i>	
<b>DEVELOPING COHERENT BEHAVIOR THROUGH HUMANOID ROBOT NAO IN PRESCHOOL EDUCATION</b>	9509
<i>K. Liberčánová</i>	
<b>SAVE DR. ARNOLD: A LAB-BASED CHEMICAL ENGINEERING ESCAPE ROOM</b>	9519
<i>C. Herrera, M.A. Larrubia, M. Cortes-Reyes, S. Molina-Ramirez, R. Gonzalez, M.V. Dominguez, L.J. Alemany</i>	
<b>PROFESSIONAL DEVELOPMENT OF UNIVERSITY TEACHERS AS A RESULT OF CAPACITY BUILDING IN THE MACICT PROJECT OF THE ERASMUS+ PROGRAMME</b>	9524
<i>S. Piashkun, J. Mäkiö</i>	
<b>TOWARDS A TRANSITION FROM EMERGENCY REMOTE TEACHING TO ONLINE LEARNING IN THE NEW NORMAL</b>	9530
<i>M. León-Urrutia, S. White, M. Eradze</i>	
<b>THE VALIDATION OF A TIME-EFFICIENT MEASURE FOR ASSESSING CHILDREN'S SOCIAL ISOLATION AT SCHOOL</b>	9540
<i>F. Alivernini, E. Cavicchiolo, S. Manganelli, S. Germani, A. Chirico, T. Palombi, M. D'Amico, F. Albarello, F. Lucidi</i>	
<b>TEACHING CYBER-PHYSICAL-SOCIAL-SYSTEMS THROUGH PROJECTS BASED LEARNING</b>	9541
<i>D. Kataria, G. Sanchez, J.P. Naidu</i>	
<b>LOOKING FOR ARGUMENTS TO PROMOTE CRITICAL THINKING IN SECONDARY EDUCATION STUDENTS</b>	9551
<i>N. Castells, J. Luna, M. Minguela, E. Pérez</i>	

<b>PHOTOGRAMMETRY WITH LIDAR IPAD PRO</b>	9555
<i>A. Vlachos, A. Polyzou, A. Economides</i>	
<b>CHALLENGE-BASED LEARNING: A PROFESSIONAL EXPERIENCE THROUGH BUILDING MONITORING</b>	9564
<i>C. Morón, D. Ferrández, A. Zaragoza, M. Álvarez</i>	
<b>SMART GLASS APPLICATION TESTING FOR AUGMENTED REALITY</b>	9569
<i>A. Vlachos, A. Economides, M. Perifanou</i>	
<b>BLOCKCHAINS IN TOURISM – CASE STUDY</b>	9578
<i>M. Cerna, A. Borkovcová</i>	
<b>FREE SOFTWARE FOR APPLICATION IN TEACHING: SMATH STUDIO AS A TOOL FOR ENGINEERING STUDENTS</b>	9586
<i>J.P. Diaz, D. Ferrández, E. Yedra, C. Morón</i>	
<b>WHERE ARE MY STUDENTS? DISTANCE LEARNING AND DROP-OUT DURING THE FIRST ITALIAN LOCKDOWN DUE TO THE COVID-19 PANDEMIC</b>	9591
<i>A. Ricci, A. Ciani</i>	
<b>CHANGING PRACTICES FOLLOWING THE COVID-19 PANDEMIC: A NEW ERA IN ACADEMIA</b>	9596
<i>V. Kalogerou</i>	
<b>FOSTERING THE DEVELOPMENT OF TEACHERS' DIGITAL LITERACY WHILST PROMOTING NEW PEDAGOGICAL STRATEGIES: CREATING TANGIBLE EDUCATIONAL RESOURCES</b>	9606
<i>S. Ribeiro, P. Beça, M. Aresta</i>	
<b>METACOGNITIVE STRATEGIES - OPPORTUNITY IN CURRICULUM DEVELOPMENT</b>	9613
<i>D. Mara</i>	
<b>ENHANCING STUDENT-TEACHER INTERACTION IN ONLINE CLASS: THE ROLE OF TEACHER AND VISUALISATION</b>	9617
<i>S. Gopinathan</i>	
<b>RECONFIGURING PEDAGOGICAL PRACTICE IN INITIAL TEACHER TRAINING</b>	9624
<i>L. Mara</i>	
<b>USING SPANISH VERSION OF MATH4U PORTAL FOR CZECH-SPANISH BILINGUAL MATHEMATICS EDUCATION</b>	9629
<i>P. Beremlijski, P. Vondráková, I. Skybová</i>	
<b>LACK OF INFORMATION ABOUT CAREER OPTIONS FOR CAREER DECISIONS DURING THE ERA OF TECHNOLOGY AND DIGITALIZATION</b>	9637
<i>G. Sart, A.E. Aslan</i>	
<b>COMMUNICATION SKILLS IMPROVEMENT FOR CHEMICAL ENGINEERING MASTER'S STUDENTS</b>	9646
<i>A.R. de la Osa, F. Dorado, J. Lobato, C.M. Fernández-Marchante, J.F. Rodríguez, M.L. Sánchez-Silva, P. Sánchez</i>	
<b>LEARNING FROM THE PATIENTS</b>	9651
<i>A.V. Penati, C.E. Standoli</i>	
<b>DEVELOPMENT OF AUDIOVISUAL RESOURCES FOR PRACTICAL ACTIVITIES IN PILOT PLANT IN THE SUBJECT OF INTEGRATED PROCESS AND PRODUCT LABORATORY IN THE CHEMICAL ENGINEERING DEGREE</b>	9659
<i>C.M. Fernández-Marchante, J.M. García-Vargas, J. Llanos, A. de Lucas-Consuegra, I. Fernández Mena, M.A. Montiel, A.R. de la Osa, A.M. Borreguero, E. Lacasa, M. Muñoz, M.L. Sánchez-Silva, M.T. García</i>	
<b>MULTIMODALITY AND TECHNICAL COMMUNICATION IN THE ENGLISH FOR SPECIFIC PURPOSES CLASSROOM</b>	9664
<i>S. Vasconcelos, A. Balula</i>	
<b>SELF-EFFICACY IN THE CREATIVE APPROACH OF THE RESOLUTIVE DESIGN AS A WAY TO IMPROVE THE ACADEMIC PERFORMANCE IN MATHEMATICS</b>	9668
<i>G. Havârneanu</i>	
<b>USING THE COACHING APPROACH IN DEVELOPING STUDENTS' ENTREPRENEURIAL COMPETENCIES IN A TECHNICAL UNIVERSITY</b>	9678
<i>A. Constantinescu-Dobra, V. Maier, M.A. Cotiu</i>	
<b>COVID-19 PANDEMIC: THE E-LEARNING EXPERIENCES OF FIRST YEAR UNIVERSITY OF TECHNOLOGY STUDENTS IN SOUTH AFRICA</b>	9684
<i>M.S. Motsoeneng</i>	
<b>EXPERIENCES IN EDUCATION: BETTER UNDERSTANDING HOW TO PREDICT THE OUTCOMES OF ADULT LEARNERS ON RESKILLING INITIATIVES</b>	9688
<i>S. Creaner, G. Creaner, C. Creaner</i>	

<b>HIGHER PROFESSIONAL TECHNICAL COURSES: STUDENTS' PROFILE AND MATHEMATICS SELF-CONCEPT</b> <i>J. Mendonça, C. Pinto, L. Babo</i>	9695
<b>GAMIFICATION OF CHILDREN'S ACQUAINTANCE WITH THE PROFESSIONS OF THE FUTURE</b> <i>L. Kudinova, R. Chumicheva</i>	9703
<b>FUTURE TEACHERS' VISION TOWARDS TECHNOLOGIES IN EDUCATION</b> <i>M.R. Patrício</i>	9711
<b>THE COMPETENCY FOR FAMILY ASSESSMENT IN PRE-SERVICE TEACHER EDUCATION</b> <i>T. Turzak, V. Kurincova</i>	9716
<b>PREPARING FOR (FUTURE) WORK? SUPPORTING SOFT SKILL DEVELOPMENT IN THE CONTEXT OF HIGHER EDUCATION WITH A DIGITAL INSTRUMENT FOR 360° FEEDBACK</b> <i>S. Chaoui, P. David, E. De Bruyne, S. Govaerts, A. Hoefkens, E. Van Den Broeck, G. Vanthournout</i>	9724
<b>DEVELOPING GAMIFIED ACTIVITIES FOR IMPROVING ONLINE TEACHING-LEARNING PROCESSES OF THE SECURITY IN COMPUTER SYSTEMS AND RISK ANALYSIS AND MANAGEMENT SUBJECTS</b> <i>J. Boubeta-Puig, K.J. Valle-Gómez, A. Estero-Botaro</i>	9733
<b>COMPLEX ASSESSMENT OF SIMILAR OBJECTS IN THE EUROPEAN HIGHER EDUCATION AREA</b> <i>H. Kostadinova, G. Totkov</i>	9742
<b>INTENTIONAL ERRORS AND GAME-BASED PLATFORMS AS MECHANISMS TO IMPROVE LEARNING AMONG UNIVERSITY STUDENTS: A PILOT STUDY CARRIED OUT IN THE DEGREE IN NUTRITION</b> <i>E. Molina-Montes, A. Macho-González, V. Verardo, C. Rodríguez-Pérez, A. Alcalá-Santiago, M.C. Razola-Díaz, M.D. Ruiz-López, R. Artacho, E.J. Guerra-Hernández, S. Bastida, F.J. Sánchez-Muniz</i>	9751
<b>A MODEL FOR THE INTEGRATION OF PROJECT-BASED LEARNING AND TEAM-TEACHING IN AN ENGINEERING HIGHER EDUCATION CONTEXT</b> <i>A. Barrera Puerto, R. Seiz Ortiz</i>	9756
<b>LEARNING FROM MENTOR-TEACHERS' AND STUDENT-TEACHERS' EXPERIENCES IN PRACTICUM IN TEACHER EDUCATION IN PALESTINE</b> <i>A. A Rezeqallah, A. Aljanazrah, M. Vivitsou, H. Janhonen-Aburuquah, A. Bsharat, R. Al-Ramahi, A. Fteiha</i>	9764
<b>QUIZ MAKER TOOLS: ANALYSIS AND PEDAGOGICAL APPLICATIONS</b> <i>L. Babo, I. Vieira, C. Torres, V. Oliveira, J. Azevedo, C. Lopes, J. Mendonça</i>	9765
<b>ENTREPRENEURIAL EDUCATION IN A TECHNICAL UNIVERSITY POST THE COVID 19 PANDEMIC</b> <i>V. Maier, A. Constantinescu-Dobra, M.A. Cotiu</i>	9775
<b>WHY EVERY CHILD SHOULD LEARN TO CODE</b> <i>O. Herden</i>	9782
<b>MENTORING AND PRACTICUM AT BIRZEIT UNIVERSITY AS PERCEIVED BY MENTORS AND STUDENT TEACHERS</b> <i>A. Bsharat, R. Al-Ramahi, A. Fteiha, A. A Rezeqallah, A. Aljanazrah, H. Janhonen-Aburuquah, M. Vivitsou</i>	9790
<b>REALIZATION OF REMOTE EDUCATIONAL PRACTICAL ACTIVITIES OF DIGITAL ELECTRONICS FOR ENGINEERING STUDENTS</b> <i>J. Ramirez Ortega</i>	9791
<b>THE DESIGN AND EVALUATION OF A VIGNETTE-BASED COURSE FOR ENHANCING PRE-SERVICE TEACHERS' NOTICING OF STUDENTS' GEOMETRICAL THINKING</b> <i>M. Bernabeu, C. Fernández, P. Ivars, S. Llinares, M. Friesen, J. Krummenauer, S. Kuntze, L. Healy, L. Samkova, F. Schwaderer, K. Skilling</i>	9796
<b>COLLABORATION AND PEER FEEDBACK IN PRONUNCIATION TRAINING</b> <i>H. Vancova</i>	9803
<b>THE DESIGN OF A TRAINING PROGRAM ON IMMERSIVE TECHNOLOGIES IN TRANSDISCIPLINARY STEAM EDUCATION</b> <i>I. Vekiri, M. Meletiou-Mavrotheris, E. Mavrotheris, C. Rodosthenous</i>	9804
<b>NEUROSCIENCE IN EDUCATION - NEUROMIL: FROM TRAINING TO COMBAT</b> <i>C. Novikoff, C.A. Schettini, T. Pergentino de Sant'ana, M. Vieira Xavier, S. Pavanelli</i>	9810

<b>APPLYING GAMIFICATION MECHANICS IN AN ENVIRONMENTAL EDUCATION SPOC</b> <i>C. Rodosthenous, E. Mavrotheris</i>	9818
<b>VIRTUAL AND HYBRID TEACHING DURING THE PANDEMIC: CONVERTING PANIC INTO DISCOVERY</b> <i>M. Obadat, E. Alqusaireen</i>	9826
<b>EMPLOYABILITY TRENDS OF HARAMAYA UNIVERSITY GRADUATES WITHIN ONE YEAR AFTER GRADUATION</b> <i>E. Gebregiorgis</i>	9832
<b>A SURVEY OF HUMAN RESOURCES COMPETENCIES IN DIGITAL SKILLS IN THE DIGITAL ECONOMY AND SOCIETY</b> <i>K. Repkova Stofkova, M. Krejnus</i>	9833
<b>STE(A)M APPROACH: DISTINGUISHING AND DISCUSSING MEANINGS</b> <i>P.B. Teixeira, C. Martins, H. Rocha</i>	9842
<b>THE CONTRIBUTION OF DIGITAL SYSTEMS TO DENTAL MEDICAL EDUCATION PERFORMANCE</b> <i>M.E. Antohe, C.G. Dascalu, I. Gradinaru</i>	9848
<b>PARTICULAR FEATURES OF DENTAL MEDICAL EDUCATION IN THE PERIOD OF THE SARS-COV-2 PANDEMIC</b> <i>I. Gradinaru, C.G. Dascalu, M.E. Antohe</i>	9855
<b>IMPROVEMENT OF TEACHERS REFLECTION SKILLS IN SUPERVISION</b> <i>L. Rutka, L. Trupa</i>	9860
<b>INTERACTIVE TUTORING AGENT GENERATION FOR STUDENT ASSISTANCE IN HIGHER EDUCATION</b> <i>U.U. Shegupta, G.V.P. Gowthaman Malarvizhi, M. Jose, T.S. Kumar, W. Hardt</i>	9861
<b>USERS' EXPERIENCES AND PERCEPTIONS ABOUT TELEPRESENCE ROBOTS IN EDUCATION</b> <i>M. Perifanou, P. Häfner, A. Economides</i>	9870
<b>CHALLENGE-PROJECT AS A SUPERVISED LEARNING ACTIVITY WITHIN A TRAINING UNIT</b> <i>R.J. Díaz, R. Villalpando, E. Vázquez, J. Hernández, V.E. Durán, G. Castañeda, G. Domínguez, X. Alcalá, F.A. Pámanes, S. Hinojo, V.M. Macías, J.J. Atayde, A.P. Salas, M. Martínez, M. Cuevas, J.A. Rodríguez, H.A. Rodríguez, G.S. Avelar, A. Carrasco</i>	9880
<b>THE IMPACT OF UNIVERSITY ONLINE TEACHING ON THE DIGITAL LITERACY OF DIGITAL NATIVES AND THEIR ATTITUDES TOWARDS IT</b> <i>D. Suša Vugec</i>	9886
<b>DESIGN EDUCATION IN BUSINESS INNOVATION</b> <i>S. Palmieri, M. Bisson, R. Palomba, G. Rubino, A. Ianniello</i>	9894
<b>REFLECTION OF DIVERSITY IN THE OBJECT OF SOCIAL WORK. STUDENT'S VIEWS AND PRACTICAL EXPERIENCES</b> <i>E. Raya Diez, A.B. Cuesta Ruiz-Clavijo, C. Serrano Martínez</i>	9901
<b>(H)OLD ON PROJECT – EDUCATION AND PARTICIPATION IN THE COMMUNITY FROM THE PERSPECTIVE OF LEADERS</b> <i>S. Bergano, G. Santos, L. Cramês</i>	9908
<b>OVERCOMING EARLY ABUSE AND NEGLECT AND BUILDING RESILIENCE AND HARDINESS IN INDIVIDUALS GROWING UP IN INSTITUTIONAL CARE</b> <i>L. Mynařková, L. Dobrucká</i>	9913
<b>COMPETENCE OF VOCATIONAL SCHOOL TEACHERS UNDER THE CONDITIONS OF COVID-19 RESTRICTIONS: THE CASE OF LATVIA</b> <i>L. Rutka, M. Dubickis, A.M. Reidzane</i>	9914
<b>EDUCATIONAL DESIGN APPROACHES AND THEIR CONTRIBUTION TO THE REFLECTION OF TEACHERS' PEDAGOGICAL PRACTICES</b> <i>P. Carolei</i>	9921
<b>MIGRATION PROJECTS FOR HIGHER EDUCATION: A PERSPECTIVE FROM WOMEN'S VOICES</b> <i>S. Bergano, M.J. Rodrigues, B. Moreira, C. Martins</i>	9928
<b>INNOVATIONS IN EDUCATION RELATED TO SUSTAINABLE DEVELOPMENT THROUGH EDUCATIONAL LABORATORY</b> <i>Z. Konecna</i>	9935
<b>A FOCUS GROUP STUDY ON TELEPRESENCE ROBOTS IN EDUCATION</b> <i>M. Perifanou, M. Galea, A. Economides, T. Wernbacher, P. Häfner</i>	9936

<b>APPLICATION OF A HYBRID FORMAT FOR LEARNING MICROCONTROLLERS</b>	9945
<i>R.J. Díaz, S.A. De la Torre, J.J. Berumen, A.E. Batres</i>	
<b>SUSTAINABLE RURAL DEVELOPMENT THROUGH VOCATIONAL EDUCATION: SOT RIVER LANDSCAPE RESTORATION WORKSHOP</b>	9951
<i>V. López-Mateu, T.M. Pellicer, J. Blanch Vanacloig</i>	
<b>IDENTIFYING INSTITUTIONAL FACTORS WHICH ENABLE TEACHER DIGITAL COMPETENCE DEVELOPMENT IN HIGHER EDUCATION: AN INSTITUTIONAL CULTURE ANALYSIS</b>	9960
<i>M. Peters, A. Elasm-Ejjaberi, M.J. Martínez-Argüelles, S. Fàbregues</i>	
<b>MEANINGFUL USE OF TECHNOLOGY THROUGH DIGITAL PEDAGOGY: TEACHERS' REFLECTIONS</b>	9966
<i>M. Mäeots, L. Halpin, K. Kollom-Vahtra, P. Loss, H. Snorrason</i>	
<b>PERCEPTIONS OF FUTURE ELEMENTARY SCHOOL TEACHERS ABOUT FORMATIVE ASSESSMENT</b>	9971
<i>N. Cardoso, S. Reis, A. Oliveira</i>	
<b>DIGITAL RHAPSODIES SUMMER CAMP: THE OSTIA ANTICA CULTURAL HERITAGE NARRATED BY CHILDREN</b>	9979
<i>S. Bertelli, M. Guerra, D. Daffara, F. Montanino, F. Lange, F. Fabiano</i>	
<b>FUTURE TEACHER'S PERCEPTIONS ABOUT NATURAL SCIENCES TEACHING AND LEARNING</b>	9985
<i>S. Reis, A. Oliveira, H. Menino</i>	
<b>NURSING STUDENTS' PERCEPTIONS ABOUT EFFECTS OF COVID-19 PANDEMIC IN CLINICAL PRACTICE</b>	9992
<i>C. Sá, A. Nabais</i>	
<b>TOWARDS INSTAGRAMABLE AND NARRATIVE HOTELS EXPERIMENTAL FORMATS FOR A SMART HOSPITALITY BETWEEN RESEARCH AND PROFESSION</b>	9999
<i>B. Di Prete, D. Crippa</i>	
<b>ENGAGING TEACHERS IN THE CO-DESIGN OF EDUCATIONAL SCENARIOS AIMING TO INTEGRATE CITIZEN OBSERVATORIES TECHNOLOGIES INTO SCHOOL-BASED ENVIRONMENTAL EDUCATION</b>	10008
<i>M. Daskolia, J. Piera, K. Soacha</i>	
<b>SUPPORTING GEOMETRY LEARNING DIGITALLY THROUGH ADAPTABLE ALGORITHMIC FEEDBACK – CHALLENGES AND SOLUTIONS</b>	10017
<i>T. Huhmann, F. Winkelkemper</i>	
<b>COVID-19: CLASSROOM ATTENDANCE AND ACADEMIC ACHIEVEMENT</b>	10027
<i>L. Johnson</i>	
<b>TEACHING ENGLISH PRONUNCIATION TO LOWER SECONDARY SCHOOL LEARNERS – A COURSEBOOK ANALYSIS</b>	10032
<i>H. Vancova</i>	
<b>THE TEACHING OF ETHICS IN OCCUPATIONAL RISKS PREVENTION THROUGH THE DEBATE ON ETHICAL DILEMMAS</b>	10039
<i>T.M. Pellicer, V. López-Mateu, E. Giménez-Carbó</i>	
<b>CLIMATE CHANGE LITERACY AND CONCERNS AMONG GREEK UNIVERSITY STUDENTS WITH A NON-SCIENCE BACKGROUND</b>	10046
<i>M. Daskolia</i>	
<b>IMPACT OF USE OF SCHOOL MANAGEMENT INFORMATION SYSTEM ON TEACHING AND LEARNING: A CASE OF A SCHOOL IN SOUTH AFRICA</b>	10055
<i>M. Kimanzi</i>	
<b>TEACHING NONLINEAR LEAST-SQUARES DATA FITTING IN AN UNDERGRADUATE MATLAB LABORATORY</b>	10062
<i>M. Ben Ghalia</i>	
<b>PATHS TO INTERDISCIPLINARITY IN HIGHER EDUCATION: COMPARATIVE ANALYSIS OF EXPERIENCES IN PORTUGAL</b>	10069
<i>R. Mauritti, H. Belchior-Rocha, S.P. Saleiro, C. Granjo</i>	
<b>SECURING THE LONG-TERM OF COVID TECHNOLOGY ADOPTIONS: PROMISE AND CHALLENGES OF UTILIZING WEB-BASED CONFERENCING FOR ASYNCHRONOUS STUDENT-FOCUSED FEEDBACK</b>	10075
<i>J. Campbell</i>	
<b>MY PRACTICUM STORY: USING REFLECTIVE WRITING FOR THE DEVELOPMENT OF A PROFESSIONAL IDENTITY WITH STUDENT TEACHERS OF ENGLISH AT THE MASTER'S LEVEL</b>	10084
<i>A. Oliva-Girbau</i>	

<b>STUDENT DRIVEN DESIGN AND TESTING OF A MOBILE EXPERIMENTAL DEVICE IN THERMAL SCIENCE</b> <i>E. Glakpe, S. Franco, C. Badiane</i>	10085
<b>ANIMATED PRESENTATIONS USING POWTOON AND ITS APPLICABILITY IN PEDAGOGICAL PRACTICE: PERSPECTIVES OF HIGHER EDUCATION PROFESSORS AND FUTURE BASIC EDUCATION TEACHERS</b> <i>M. Castelhana, D. Pedrosa, T. Pessoa</i>	10086
<b>TEACHING FOREIGNER LANGUAGES IN HIGHER EDUCATION: CHALLENGES IN TIMES OF THE PANDEMIC</b> <i>D. Ramalho Alves, H. Belchior-Rocha, I. Casquilho-Martins</i>	10094
<b>BE AWARE OF THE SPECIFICATIONS THAT CAN BE CHANGED IN AN APPRENTICESHIP MANAGEMENT SYSTEM: THE CASE STUDY OF MATHITEIA</b> <i>S. Christodoulou, I. Christodouloupoulos, K. Toggias, M. Paraskevas, P. Ntentopoulos</i>	10103
<b>CAN MICROSERVICES BE THE ANSWER TO EVER-CHANGING REQUIREMENTS OF A 10-YEAR OLD LEGACY TRAINING MANAGEMENT SYSTEM?</b> <i>P. Ntentopoulos, K. Toggias, I. Christodouloupoulos, M. Paraskevas, S. Christodoulou</i>	10108
<b>INTRODUCTION TO SUSTAINABILITY AS A TRANSVERSAL COMPETENCE IN HIGHER EDUCATION</b> <i>H. Belchior-Rocha, V. Ramalho, C. Roseta-Palma</i>	10115
<b>OVERCOMING THE HORSELESS CARRIAGE SYNDROME: METHODS TO ENCOURAGE PEDAGOGICAL RE-ENGINEERING</b> <i>G. Salter</i>	10122
<b>PROFILING PROGRAM DECOMPOSITION IN CS1</b> <i>C. Charitsis</i>	10128
<b>FIRST: FINDING INTERESTING STORIES ABOUT STUDENTS - AN INTERACTIVE NARRATIVE APPROACH TO EXPLAINABLE LEARNING ANALYTICS</b> <i>A. Al Doulat, M.L. Maher</i>	10136
<b>THE IMPACT OF IMMERSIVE CONTENT VIEWING ON MOVEMENT LEARNING: FOCUSING ON EDUCATIONAL GYMNASTICS</b> <i>N. Suzuki, T. Fujimoto, Y. Sawa</i>	10146
<b>ON COMING TOGETHER AS KNOWLEDGE BUILDERS ONLINE: A COLLABORATIVE AUTOETHNOGRAPHY</b> <i>L. Yearwood, P. Raman, A. Sevsek</i>	10151
<b>THE ONLINE MATH INTERVIEW: BEGINNING ELEMENTARY TEACHERS ASSESSING MATHEMATICAL LEARNING IN THE VIRTUAL SPACE</b> <i>H. Haydar</i>	10152
<b>READING, WRITING AND RACISM: EXPLORING THE IMPACT OF RACIAL DISCRIMINATION ON THE COGNITIVE AND SOCIAL-EMOTIONAL GAINS OF DEVELOPING YOUTH</b> <i>R. Johnson-McCurry</i>	10158
<b>FACULTY/LIBRARIAN OER PARTNERSHIP</b> <i>J. Meloun, B. Digiallonardo</i>	10159
<b>TOWARDS CO-DESIGN AND USE OF LEARNING ANALYTICS IN HIGHER EDUCATION ONLINE COURSES</b> <i>P. Raman</i>	10160
<b>PREPARATORY DISCUSSION AND PROJECT AUGMENTED STUDENT LEARNING VIA STUDENT PRESENTATION BASED EFFECTIVE TEACHING (SPET) APPROACH</b> <i>P. Tyagi</i>	10161
<b>STUDENT PRESENTATION-BASED TEACHING TO PROVIDE TRANSACTIONAL ANALYSIS TRAINING TO PRODUCE EMOTIONALLY INTELLIGENT ENGINEERING GRADUATE STUDENTS</b> <i>P. Tyagi, S. Addo</i>	10169
<b>NONLINEAR EQUATION SYSTEM PROBLEM GENERATOR WITH GAMIFICATION</b> <i>H.P. Leyva, R.B. Silva</i>	10176
<b>FROM THE PHYSICAL CLASSROOM TO THE DIGITAL CLASSROOM IN TIMES OF CRISIS: COVID-19</b> <i>R.B. Silva, H.P. Leyva</i>	10185
<b>STRATEGIES FOR EFFECTIVE COMPUTER SCIENCES TEACHING TO STUDENTS WITH DIFFERENT PRELIMINARY RESULTS</b> <i>R. Kararusinov</i>	10190
<b>CREATING A MULTI-ACCESS LEARNING COMMUNITY IN THE CIS SANDBOX</b> <i>M. Frydenberg</i>	10195

<b>THE EXPERIENTIAL LEARNING IN MICROBIOLOGY LABORATORY CLASS APPLIED IN SOCIAL ASSISTANCE FOUNDATIONS</b> <i>J. Castillo Reyna, C.D. Gonzalez Barriga, G.A. Silveyra Sáenz</i>	10202
<b>TRANSVERSAL APPROACH TO CURRICULUM DESIGN - HUMAN-CENTERED ARTIFICIAL INTELLIGENCE</b> <i>E. Valoeny, R. Vilanova</i>	10209
<b>EXPERIENCES WITH THE USE OF VIRTUAL REALITY ENVIRONMENTS IN EDUCATION – IDENTIFYING DIFFICULTIES AND POSSIBLE SOLUTIONS DURING THESIS WORK</b> <i>G. Bujdosó, C.M. Novac, O.C. Novac, T. Roskó, K. Teperics</i>	10216
<b>HOW TO GET REAL IN THE CLASSROOM: USING AUTHENTIC MATERIALS IN LANGUAGE TEACHING</b> <i>AM. Toma</i>	10222
<b>SELF-REGULATED LEARNER IN THE LIGHT OF DISTANCE LEARNING CAUSED BY PANDEMIC: ESTONIAN 12TH GRADE STUDENTS' VIEWS AS AN EXAMPLE</b> <i>T. Kraav, K. Oras, K. Orav-Puurand, H. Jukk, S. Pihlap</i>	10229
<b>SMALL-SCALE HORIZONTAL AXIS WIND TURBINE (HAWT) MODEL AS AN EDUCATIONAL TOOL</b> <i>F. Zabihian, A. Ingrassia, E. Quintero, K. Lee, V. Quijas</i>	10235
<b>FLIPPED LEARNING IN CORPORATE TRAINING TO SUPPORT INDUSTRY 4.0</b> <i>V. Rossano, P. Plantamura, E. Gentile, T. Roselli</i>	10244
<b>CREATING EFFECTIVE LEARNING AND WORKING IN STUDENT TEAMS</b> <i>K.Z. Tang</i>	10252
<b>LEVERAGING GAMING TRENDS TO FOSTER ENGAGEMENT IN REMOTE DELIVERY OF GAME DEVELOPMENT / SOFTWARE ENGINEERING COURSES</b> <i>B. Cassidy</i>	10253
<b>DIGITASK: AN OPEN-ACCESS AND USER-FRIENDLY PLATFORM TO DESIGN DIGITAL PEDAGOGICAL TASKS FOR THE FOREIGN LANGUAGE CLASSROOM</b> <i>D. Masats, C. Pratginestós</i>	10262
<b>STUDENT LEARNING PERFORMANCE BEFORE AND DURING THE PANDEMIC</b> <i>H. El-Sadi, S. Shady, G. Ma</i>	10263
<b>IMPACT OF PRACTICAL SKILLS REQUIRED BY LECTURERS OF ECDE SUBJECTS AT TECHNICAL AND VOCATIONAL EDUCATION AND TRAINING COLLEGES IN MPUMALANGA PROVINCE</b> <i>S.T. Mashika, O. Moila, S. Maile</i>	10269
<b>AUTOBIOGRAPHY AS A RE-CONSTRUCTION OF SELF-IDENTITY IN THE PERSPECTIVE OF LIFELONG LEARNING. AN EXPLORATORY RESEARCH ON EDUCATORS</b> <i>G. Aleandri, A. Colantonio</i>	10274
<b>SIMUDATA: NEW DIGITAL MODELS AS ACTIVE METHODOLOGIES FOR ACCOUNTING EDUCATION</b> <i>J.L. Zafra-Gómez, N. Aguilar-Gómez, J. Andrades-Peña, L. Marquez-Arenas, P. Povedano-Fernández</i>	10281
<b>FACE-TO-FACE TO MASK-TO-MASK AND BACK AGAIN: A LOOK AT TEACHING LARGE PHYSICS CLASSES PRE- AND POST- COVID19</b> <i>C. Rodriguez, A. Kolomenski, H. Schuessler</i>	10282
<b>A SHORT-STORY APPROACH TO COMPLEX MICROLECTURES</b> <i>M.C. Dal Pian, M. Dal Pian, L.F. Dal Pian</i>	10289
<b>ASSESS-IMPROVE-ASSESS: CONTINUOUS IMPROVEMENT IN THE CLASSROOM</b> <i>N. Rodriguez</i>	10299
<b>EXPLAINABLE AI FOR DATA DRIVEN LEARNING ANALYTICS: A HOLISTIC APPROACH TO ENGAGE ADVISORS IN KNOWLEDGE DISCOVERY</b> <i>N. Nur, A. Benedict, O. Eltayeb, W. Dou, M. Dorodchi, X. Niu, M.L. Maher, C.N. Chambers</i>	10300
<b>PECULIARITIES OF ASSESSMENT OF PRE-SCHOOL AGE CHILDREN'S ACHIEVEMENTS: THE CONTEXT OF DISTANCE LEARNING</b> <i>R. Bilbokaitė, I. Bilbokaitė-Skiauterienė</i>	10307
<b>QUALITY ASPECTS OF STUDENTS' LEARNING THROUGH FILMS</b> <i>R. Bilbokaitė, I. Bilbokaitė-Skiauterienė, M. Marmokaitė</i>	10315
<b>EVALUATION OF PROFESSIONAL COMPETENCE DEVELOPMENT OF NOVICE TEACHERS DURING THE INDUCTION PERIOD AT SCHOOL</b> <i>R. Bubnys, A. Meškauskienė, A. Žemguliė</i>	10321



<b>FACT-CHECKING AS AN EMERGING PROPOSAL FOR MEDIA EDUCATION WITH ECUADORIAN TEACHERS</b> <i>R. Elizalde-Robles, C. Rodríguez-Hidalgo, G. Coronel-Salas, C. Mier-Sanmartín</i>	10331
<b>CLASSROOM MANAGEMENT: EVALUATION OF INSTRUCTIONAL MANAGEMENT FROM THE PERSPECTIVE OF UNIVERSITY STUDENTS</b> <i>K. Němejc, K. Tomšíková</i>	10338
<b>DASHBOARD FOR STATISTICAL ANALYSIS OF QUALIFICATIONS: A CASE STUDY IN A DISTANCE-LEARNING SECONDARY SCHOOL</b> <i>J. Jiménez, C. Guerrero</i>	10345
<b>HOW DOES A THIRD-PARTY PLATFORM AFFECT PROJECT-BASED LEARNING OBJECTIVES FOR FACULTY AND STUDENTS?</b> <i>B. Bengler, L. Rowland</i>	10354
<b>FROM CONCEPTS TO DETAILS: THE ROLE OF MOODBOARDS IN THE NEW PRODUCT DEVELOPMENT PROCESS</b> <i>C.E. Standoli, G. Galán Jurado</i>	10355
<b>SCHOOL SUCCESS: CONCEPT, FACTORS AND STRATEGIES</b> <i>C. Martins, A. Sanches, I. Freire-Ribeiro</i>	10356
<b>BELIEFS ABOUT SCHOOL: MULTIPLE PERSPECTIVES</b> <i>C. Martins, C. Ribeiro, J. Carvalho Sousa, R. Novo</i>	10363
<b>PSYCHOSOCIAL DEVELOPMENT OF DHH CHILDREN: OBSTACLES AND STRATEGIES FOR PROMOTING SELF-CONCEPT AND SOCIALIZATION</b> <i>A. van Staden</i>	10369
<b>ACHIEVEMENTS IN READING AND WRITING AMONG DEAF AND HARD-OF-HEARING CHILDREN: THE IMPACT OF LANGUAGE PROFICIENCY ON LITERACY ABILITIES</b> <i>A. van Staden</i>	10377
<b>TRANSFORMING THE PEDAGOGICAL LANDSCAPE IN EDUCATION: THE TEACHING OF CLIMATE CHANGE IN SECONDARY SCHOOLS</b> <i>N.P. Caga, M. Steleki</i>	10387
<b>EFFECTS OF COVID 19 PANDEMIC ON LEARNERS WITH DISABILITIES IN KENYA</b> <i>M. Kavua</i>	10392
<b>OPPORTUNITIES AND CHALLENGES OF METAVERSE FOR EDUCATION: A LITERATURE REVIEW</b> <i>K. Stanoevska-Slabeva</i>	10401
<b>THE EFFECT OF PEER FEEDBACK ORIENTATION ON HIGHER EDUCATION STUDENTS' PERCEPTION OF COMMUNITY OF INQUIRY AND POSITIVE EMOTIONS</b> <i>M. Yang, M. Deng</i>	10411
<b>LEADERS' VOICES ON CURRICULUM AND CURRICULAR FLEXIBILITY</b> <i>C. Martins, C. Mesquita, G. Santos, M.R. Patrício</i>	10412
<b>TELECOMMUTING BEFORE, DURING AND AFTER COVID-19: EFFECTS ON UAE HIGHER EDUCATION WORKFORCE</b> <i>R. Zein, H. Abduljaber</i>	10422
<b>IDENTIFYING THE DIGITAL ACADEMIC PROFILE OF UNIVERSITY DROPOUTS WITH INTELLIGENT PREDICTIVE MODELS</b> <i>J.L. Peñaloza Figueroa, AD. Hernández Estrada, C.G. Vargas Pérez, M. Martin Santiago, M.S. Aparicio Sánchez</i>	10434
<b>EFFECT OF UNIVERSITY ENVIRONMENT ON STUDENTS' PERCEPTION OF THE UTILITY OF ICT-ENABLED FEEDBACK</b> <i>M. Yang, C.Y. Hou</i>	10444
<b>GENDER MARKING AND THE PAREMIOLOGICAL REPRESENTATION OF WOMEN IN ENGLISH AND GREEK POLITICAL EDUCATION</b> <i>M. Loikov, E. Theodoridou</i>	10445
<b>NEW FORMS OF TRAINING IN THE FIELD OF SECURITY EQUIPMENT</b> <i>M. Boroš, Z. Zvakova</i>	10451
<b>ENHANCING AVIATION ENGLISH COURSE THROUGH SIMULATION-BASED INSTRUCTION</b> <i>N. Dincer, R. Dinçer</i>	10456
<b>PUTTING LEARNING INTO PRACTICE. CASE STUDY: PREVENTION AND COEXISTENCE WITH COVID-19</b> <i>C. Ortiz, M. Gonzáles, C. Valdiviezo-Abad</i>	10457

<b>CAREER DEVELOPMENT AND AGEING OF PERSONNEL IN THE PUBLIC ADMINISTRATION</b> <i>S. Blumberga, I. Danovska</i>	10464
<b>INVESTIGATING PRE-SERVICE SCIENCE TEACHERS ICT INTEGRATION COMPETENCIES IN GHANA</b> <i>M.J. Ofori, N. Caga</i>	10472
<b>VIDEO GAMING AND YOUTH THEMATIC ON CROATIAN NEWS PORTALS</b> <i>M. Ražnjević Zdrilić, V. Kalajžić</i>	10480
<b>MODERN MULTIMEDIA TECHNOLOGY AS A MEANS OF TEACHING FOREIGN LANGUAGES</b> <i>E. Andreeva, I. Korneva</i>	10490
<b>THE TRAINING OF EDUCATORS AND TEACHERS, BETWEEN PRESENCE AND DISTANCE</b> <i>F. Zuccoli</i>	10495
<b>COVID-19 AND THE APPLICATION OF THE BLENDED LEARNING MODEL IN HIGHER EDUCATION</b> <i>D. López Jiménez, E.C. Dittmar</i>	10500
<b>THE IMPORTANCE OF CSR INSIDE UNIVERSITIES</b> <i>E.C. Dittmar, D. López Jiménez</i>	10501
<b>PERGAMEX: PERSASIVE GAMING EXPERIENCES FOR @LL</b> <i>S. Baldassarri, F.J. Perales, E. Cerezo, F. Gutiérrez, C. González</i>	10502
<b>LACK OF INFORMATION ABOUT THE SELF IN CAREER DECISIONS OF UNIVERSITY STUDENTS</b> <i>G. Sart, A.E. Aslan</i>	10503
<b>EFFECTIVE ASSESSMENT OF 21ST CENTURY SKILLS IN A COMPUTING PROGRAM IN A FULLY ONLINE ENVIRONMENT</b> <i>M. Danaher, A. Rhodes, A. Ater Kranov</i>	10513
<b>A BIBLIOMETRIC REVIEW ON WORK GAMIFICATION</b> <i>R. Encarnação, M. Ferreira Dias, J. Reuter, M. Amorim</i>	10514
<b>MINI-VIDEOS FOR TEACHING PLANNING IN THE MASTER'S DEGREE IN INSURANCE LAW</b> <i>M. Hernández Solís</i>	10523
<b>EFFICACY OF PEER TUTORING ON TUTEES' ATTITUDE AND RETENTION IN FINANCIAL ACCOUNTING</b> <i>T. Wale-Fadairo, O.A. Ige</i>	10528
<b>INTEGRATING STUDENT-FOCUSED SUPPORT MODELS TO ENHANCE STUDENT ATHLETES' EXPERIENTIAL LEARNING AND ENGAGEMENT</b> <i>E. O'Connor</i>	10542
<b>REFLECTIONS ON RESPONDING TO THE INFLUX OF NEW STUDENTS DURING THE COVID-19 PANDEMIC AT AN E-LEARNING UNIVERSITY CAMPUS IN QUEBEC, CANADA</b> <i>R. Tremblay</i>	10543
<b>HEY, THIS IS WHAT A TEACHER NEEDS TO KEEP IN MIND TO RETAIN E-LEARNERS ENGAGED DURING VIDEO LECTURES!</b> <i>A. Gorbunovs</i>	10544
<b>LOOKING BACK TO MOVE FORWARD: EXPERIENTIAL LEARNING IN HIGHER EDUCATION DURING AND FOLLOWING THE COVID-19 PANDEMIC</b> <i>E. Marcogliese, E. O'Connor</i>	10545
<b>STUDY OF PERCEPTION OF THE USE OF HAPTIC 3D SIMULATORS FOR LEARNING IN THE DEGREE OF DENTISTRY, THEIR STRENGTHS AND WEAKNESSES</b> <i>D. Gonzalez, P. Tomás, P. Riutort, F.J. Perales, F. Negre, P.A. Borrás</i>	10546
<b>MOCK-EXAM IN HIGHER EDUCATION</b> <i>M. Blanco Diaz, A.M. Rodriguez Rodriguez, I. Escobio Prieto, M. Albornoz Cabello, J. Casaña, E. Magni</i>	10547
<b>LEARN STARTUP AND AGILE ENTREPENENURSHIP IN THE HEALTH FIELD</b> <i>I. Escobio Prieto, E. Magni, A.M. Rodriguez Rodriguez, J. Casaña Granell, M. Albornoz Cabello, M. Blanco Diaz</i>	10548