

Table of Contents

WRITING EFFECTIVE MULTIPLE-CHOICE QUESTIONS IN MEDICAL EDUCATION <i>J. Reyna</i>	1
INACCESSIBLE AND EXPENSIVE: RURAL PERSPECTIVES ON ACCESSING POST-SECONDARY EDUCATION <i>N. Douglas, R. Allen</i>	11
RECYCLING COMPUTERS TO CREATE A SUSTAINABLE FUTURE AND ITS IMPLICATIONS FOR EDUCATION <i>J. Reyna, J. Hanham, J. Orlando</i>	20
INCULCATING SCIENTIFIC LITERACY AMONG THE STUDENTS IN THE POLYTECHNIC FOUNDATION PROGRAM <i>A. Dewanto, T.C. Tan</i>	26
FROM MORPHO-SPLIT TO NARRATIVES OF DIGITAL NATIVES IN EFL ONLINE CLASSES <i>N. Lazebna</i>	36
MOOCS AND FOREIGN LANGUAGE TEACHING: THE CASE OF SPANISH <i>Z. Vasiljevic</i>	41
TERTIARY STUDENTS' ATTITUDES TOWARDS POST-SECONDARY EDUCATION FOR THE AUTISTICS <i>M.K. Puteri Zarina, M.Y. Mohd Yusop, S. Palanible, N.S. Abdul Rani, S.I. Safie, C. Mason</i>	42
MINI-GAMES FOR ENTREPRENEURSHIP IN CONSTRUCTION <i>H. Hummel</i>	51
THE EFFECT OF SELF-REGULATED LEARNING IN ONLINE PROFESSIONAL TRAINING <i>B. Gimbert, D. Cristol</i>	55
PUPILS' AUTONOMY, COMPETENCE AND RELATEDNESS AS DETERMINANTS OF ONLINE LEARNING ENGAGEMENT DURING THE COVID-19 PANDEMIC <i>C. Ugwuanyi, C. Okeke</i>	56
PERSONALIZED LEARNING AND ETHICS OF CARE: COMPASSIONATE EDUCATION IN ACTION <i>R. Tobin</i>	65
A NEW APPROACH FOR TEACHING PHASE-TYPE DISTRIBUTIONS THROUGH SHINY <i>C. Acal, E.M. Contreras-Siles, J.E. Ruiz-Castro</i>	66
DESIGNING ON THE GO: DEVELOPING A PERSONALIZED CURRICULUM FOR A DOCTORAL LEVEL COURSE <i>Y. Piller, R. Dorough</i>	72
INVESTIGATING THE LINK BETWEEN STUDENT GRADES AND THE USE OF BLACKBOARD IN MINING ENGINEERING AND MINE SURVEYING STUDIES <i>M. Mpanza</i>	78
CLIMBING THE DIGITAL LADDER- EMBRACING DIGITAL TECHNOLOGIES AND MEETING DIGITAL DEMANDS OF THE LIBRARY PATRONS <i>J. Rajić</i>	89
DIGITAL NARRATIVE DURING THE PANDEMIC: REVIVAL OF ANTIQUATED MACHINES IN FUNCTIONAL SETTINGS FOR INDUSTRIAL EDUCATION <i>S. Tanabashi</i>	94
THE STRATEGY AND EFFECT OF USING A CLASSROOM INTERACTIVE RESPONSE SYSTEM BASED ON A MOBILE LEARNING PLATFORM IN A SYNCHRONOUS ONLINE CLASS <i>G. Zhang, J. Han, Q. Chen</i>	98
@APARTE: THE USE OF INSTAGRAM TO INCREASE STUDENTS' COMPETENCE AND SELF-EFFICACY IN USING APA GUIDELINES <i>S. Collado, R. Rodríguez-Rey, C. Fidalgo, M. Sorrel, M. Sánchez-Izquierdo Alonso, E. Santaolalla, H. Garrido-Hernansaiz</i>	105
SUPPORTING INTERDISCIPLINARITY, DIVERSITY AND INCLUSION IN CYBERSECURITY <i>I. Hamburg</i>	106
CHALLENGES WHEN IDENTIFYING TEACHERS' DIGITAL COMPETENCE <i>N. Bergdahl</i>	112

THE GRAPHIC-MUSIC ALPHABET TO IMPROVE READING-WRITING SKILLS IN STUDENTS WITH SPECIFIC LEARNING DISORDERS	119
<i>A. Di Paolo, M.D. Todino</i>	
HOW DATA-DRIVEN DECISION-MAKING CAN BE OPTIMIZED BY LINKING CRM AND ERP DATA - A TEACHING CASE	127
<i>S. Ganahl, C. Ploder, T. Spiess, T. Dilger, R. Bernsteiner</i>	
CULTURAL INTELLIGENCE AS A SKILL FOR THE FUTURE OF WORK	133
<i>T.C. Pun, T. Spiess, S. Schlögl, C. Ploder</i>	
WAKE UP FOR THE WAKELET! USING E-PORTFOLIO IN A JIGSAW CLASSROOM IN THE COLLEGE SETTING	142
<i>R. Stolyar</i>	
GUIDING AND PROMOTING RESEARCH SKILLS IN STUDENTS OF CHEMISTRY BASED ON THE USE OF A RESEARCH PROJECT CANVAS TEMPLATE	143
<i>M.M. Contreras, A. Galán-Martín, I. Gómez-Cruz, E. Castro</i>	
USING THE BUSINESS MODEL CANVAS AS A METHODOLOGICAL APPROACH PROMOTING INNOVATIVE AND ENTREPRENEURIAL SPIRIT AMONG THE STUDENTS OF THE CHEMISTRY DEGREE	148
<i>M.M. Contreras, F. Espínola, I. Romero-Pulido, E. Castro</i>	
GDPR AND EDUCATION: AN APPROACH FOR E-LEARNING IN GREEK SCHOOLS	154
<i>A. Daoulzoglou</i>	
ENGAGING CONSCIOUS DESIGN PRINCIPLES IN A CURRICULUM TO IMPROVE COLLABORATION AND COMMUNICATION PROFICIENCIES	164
<i>C. Blue</i>	
LOCKDOWNS, REMOTE DELIVERY & DIGITAL INNOVATION: ONE LEADER'S REFLECTION ON ACADEMIC CONTINUITY THROUGH COVID19 IN THE HEALTH SCIENCES	170
<i>J.P. Egan</i>	
FACTORS INFLUENCING IMPLEMENTATION OF SIMULATION IN NURSING AND MIDWIFERY EDUCATION IN MALAWI	175
<i>G. Mwalabu, M. Msiska, I. Tjoflåt, P. Mapulanga, A. Msosa</i>	
LEVERAGING CONVENTIONAL CS PROBLEMS FOR BLENDED LEARNING IN ALGORITHMS LAB: AN OPTION FOR EXPERIMENTAL LEARNING	181
<i>V.K. Iyer, K. Seshadri, R. Mohan</i>	
DIDACTIC MATERIALS AND MATHEMATICS LEARNING IN THE 1ST CYCLE OF BASIC EDUCATION	190
<i>M.F. Caldeira, M.F. Sampaio</i>	
TRANSFORMING INTEGRATIVE MAKER EDUCATION FOR STEM LEARNING	199
<i>V. Chambers, K. York</i>	
CURRICULAR GOALS RELATING TO DIGITAL LITERACY AND DIGITAL COMPETENCES IN UPPER SECONDARY SCHOOL IN DENMARK	200
<i>A. Svendsen, J.T. Svendsen</i>	
VIABILITY OF VOICE USER INTERFACES IN SECOND LANGUAGE LEARNING AND REPETITIVE CONVERSATIONAL TASKS	201
<i>M. Garofalo, C. Illescas Duque, K. Gaugler, C. Matheus</i>	
BRIDGING THE DIGITAL AND PHYSICAL WORLDS: IMPLICIT GRAMMAR INSTRUCTION AND QR CODES	210
<i>M. Goode, M. Noeldechen, K. Gaugler, C. Matheus</i>	
BLENDED COURSES - INDISPENSABILITY OF OUR TIMES, PASSING FAD OR PERMANENT, ESSENTIAL ELEMENT OF MODERN HIGHER EDUCATION?	216
<i>D.A. Krawczyk, B. Biernacka, D. Gawryluk</i>	
"PENSAR LA MATEMÁTICA I" PROJECT	220
<i>A.J. Almeida Rodríguez, J. Harjani Saúco, M.B. López Brito</i>	
DESIGNING INTERPRETIVE TRAILS TO ENHANCE CULTURAL HERITAGE ON THE UNIVERSITY OF THE BALEARIC ISLANDS CAMPUS (UIB)	226
<i>M. Forteza Oliver, L. Melis Gomila, J. Andreu Galmés, M. Novo Malvárez</i>	
PREPAREDNESS OF THE EDUCATION SYSTEM IN PANDEMIC CRISIS TIME: IDENTIFYING ENABLERS AND CHALLENGES TO RESPOND TO DISABLED STUDENTS' AND THEIR FAMILIES' NEEDS	236
<i>A. Vlachou, S. Kalaitzi, L. Tsermidou, A. Toulia, T. Papazoglou, A. Fyssa, F. Papazis</i>	

INTERCULTURAL COMMUNICATION IN ENGLISH FOR TOURISM: EFFECTIVE PROFESSIONAL PERFORMANCE OF MULTIPLE TASKS WITHIN THE TOURISM SECTOR <i>G. Gali</i>	238
PSYCHOLOGICAL ASPECTS IN DEVELOPMENT AND EDUCATION OF GIFTED CHILDREN: PROBLEMS AND THEIR CAUSES <i>G. Gali</i>	242
THE LEGAL FRAMEWORK OF BIOLOGY: INTEGRATION OF THE LEGAL ASPECTS AND REGULATIONS OF HEALTH SCIENCE RESEARCH AND ENVIRONMENTAL AND MANAGEMENT STUDIES <i>S. Tejada Gavela, A. Sureda Gomila, L. Gil Vives, G. Mateu Vicens, S.C. Esteban Valdés, D. Moranta Mesquida, P. Ferriol Buñola, S. Pinya Fernández</i>	246
DOES THE CONTENT MATTER IN A VIRTUAL EXCHANGE? ENGLISH AS A SECOND LANGUAGE (ESL) STUDENTS IN NEW YORK CITY MEET ESL STUDENT TEACHERS IN TEL AVIV TO EXPLORE MULTILINGUALISM <i>M. Yochanna, S. Gokcora</i>	252
ADD_ON_SKILLS AS AN EXAMPLE OF MODERN INTERDISCIPLINARY COURSE INCREASING SKILLS OF ENGINEERS <i>D.A. Krawczyk, B. Biernacka, A. Tyliene</i>	253
ONLINE EDUCATION DURING COVID 19 INDUCED LOCKDOWN: ISSUES AND CHALLENGES <i>P. Pooja</i>	260
CONTEXT-BASED LEARNING INSTRUCTIONAL APPROACHES USING MULTI-CONCEPT LINKED PROBLEMS IN A GENERAL CHEMISTRY COURSE <i>A. Garcés Osado, L.F. Sánchez-Barba Merlo, D. Pérez Quintanilla, M.A. González González, G. Martínez García</i>	266
STUDY OF THE IMPACT OF THE COVID 19 EPIDEMIC ON THE DEVELOPMENT OF SOFT AND HARD SKILLS IN TECHNICAL HIGHER EDUCATION STUDENTS WHO PARTICIPATE IN RESEARCH, DEVELOPMENT, AND INNOVATION PROJECTS IN FACTORIES AT THE INSTITUTO FEDERAL DO AMAZONAS <i>D. Câmara Sales</i>	276
INFLUENCE OF MATHEMATICS ANXIETY AND COMPUTER SELF-EFFICACY ON STUDENTS' READINESS FOR UTILIZATION OF COMPUTERS FOR LEARNING ALGEBRA IN ABUJA, NIGERIA <i>E.K. Balla</i>	285
AN INFOVIS ONLINE WEB APPLICATION FOR GENDER ASPECTS OF EQUITY AND INCLUSION IN HIGHER EDUCATION <i>A. Pouloupoulos, E. Papaioannou, C. Kaklamanis</i>	292
THOUGHT EXPERIMENTS FROM EARLY COSMOLOGY FOR STUDENTS <i>J. Novotný, J. Svobodova</i>	302
NO PRESSURE, JUST LEARNING HAPPILY: THIRD-YEAR PHARMACY STUDENT PERCEPTIONS ON A COLLABORATIVE ONLINE PHARMACOGNOSY LABORATORY <i>A.S. Abdul Rahim</i>	307
EMBRACING DIGITAL 3D TECHNOLOGY IN SUSTAINABLE FASHION DESIGN EDUCATION <i>X. Lin, M.O. Ingaramo</i>	315
THINKING DIFFERENTIALLY - FROM A COURSE TO AN ENTRANCE EXAM, CASE MASTER'S DEGREE IN BEAUTY AND COSMETICS <i>M.A. Poutanen</i>	321
STAFF REPRESENTATIVE ON BOARD OF UNIVERSITY OF APPLIED SCIENCES – HOW TO DEFEND EDUCATION AND INTERESTS OF UNIVERSITY COMMUNITY <i>J. Linna</i>	327
QUICK-SET JELLY VERSUS SLOW-COOKING JAM: FACILITATING QUICK-SET GROUPS IN AN ACCELERATED ACADEMIC CALENDAR <i>L. Mandel</i>	331
ENROLLMENT AND SCHOOL DROPOUT DUE TO THE PANDEMIC, IN MEXICO <i>M. Morfin Otero, H.M. Rodríguez Gómez, V. Peña Guzmán, C.A. González Quintanilla</i>	332
INTERESTS OF DIGITAL NATIVES IN LEARNING BUSINESS INFORMATICS: WHAT DIFFERENCE DO 5 YEARS MAKE? <i>D. Suša Vugec, L. Milanović Glavan, J. Pivar</i>	338
EMPOWERING TEACHER LIBRARIANS TO SUPPORT STEM EDUCATION <i>M. Johnston</i>	347

STUDENTS' EXPERIENCES OF WORKING SKILLS BY ME&MYCITY PROJECT	348
<i>A. Ojala</i>	
SERVICE-LEARNING PROJECT: RAISING AWARENESS FOR AN EFFICIENT CITY WITHOUT NOISE	356
<i>P. Aguilera Benito, C. Piña Ramírez, M.A. Vidales Barriguete, D. Caballol Bartolomé, J. García Múñoz, M. Morales-Segura, A. Marín Palma, C. Porras Amores, F. Gil Carrillo</i>	
FAST FASHION AND FAST LEARNING: DIFFERENT CONTEXTS BUT SIMILAR MEANINGS	357
<i>B. Andres, F. Sempere-Ripoll</i>	
SIMULATION OF A MANUFACTURING COMPANY FOR THE APPLICATION OF METHODS AND TOOLS IN THE AREA OF INDUSTRIAL ENGINEERING	361
<i>B. Andres, F. Sempere-Ripoll</i>	
CHILDREN LEARN THEIR RIGHTS	366
<i>A. Papadimitriou, D. Mprella</i>	
PERSONAL ATTENTION PROGRAM TO UNIVERSITY STUDENTS WITH SPECIAL EDUCATIONAL NEEDS	367
<i>M.J.M. Alférez, B. Clares Naveros, A. Conejo García, O. Cruz López, E. García Fernández, R.J. Giménez Martínez, M.C. González García, E. González Muñoz, J.M. González Pérez, J.A. González Vera, A. Molinero García, A.I. Del Moral García, C. Monteagudo Sánchez, R. Navarrete Casas, F. Ocaña Peinado, J.M. Paredes Martínez, M. Romero Pérez, B. Rubio Ruiz, M.J. Ruedas Rama, M. Sánchez Polo, J. Valverde Pozo, R. Castilla Ríos, C.F. García Jiménez, A. Lozano Ortega, A. Martínez Avilés, A. González Muñoz, L. González Robles, J. Sepúlveda Villodres, E.M. Talavera Rodríguez</i>	
PLAN FOR THE IMPROVEMENT OF PROFESSIONAL ORIENTATION AT THE UNIVERSITY	374
<i>M.J.M. Alférez, B. Clares Naveros, A. Conejo García, O. Cruz López, E. García Fernández, R.J. Giménez Martínez, M.C. González García, J.M. González Pérez, J.A. González Vera, A. Molinero García, A.I. Del Moral García, C. Monteagudo Sánchez, R. Navarrete Casas, F. Ocaña Peinado, J.M. Paredes Martínez, M. Romero Pérez, B. Rubio Ruiz, M.J. Ruedas Rama, M. Sánchez Polo, E.M. Talavera Rodríguez, J. Valverde Pozo, R. Castilla Ríos, C.F. García Jiménez, A. Lozano Ortega, A. Martínez Avilés, A. González Muñoz, L. González Robles, J. Sepúlveda Villodres, E. González Muñoz</i>	
INTEREST AND FAMILIARITY IN SCIENCE IN THE STAGES OF TEACHER TRAINING	380
<i>E. Ortega Torres, E. Gamero</i>	
VISUALIZING MUSIC CONCEPTS	381
<i>J. Oliver, B. García Zapiráin</i>	
COMPETENCE DEVELOPMENT AMONG WOMEN RESEARCHERS IN ACADEMIA	388
<i>C. Gjellebak, I. Femdal, V.A. Grøndahl, I.M. Tjøstolsen, L.A. Del Busso</i>	
PLANNING AND IMPLEMENTING COLLABORATIVE AND DIFFERENTIATED INSTRUCTION	396
<i>F. Dubé, M. Gareau, S. Lanoix, M.F. Gendron</i>	
OPEN EDUCATIONAL RESOURCES FOR MATHEMATICS IN HIGHER EDUCATION	397
<i>A.P. Lopes, F. Soares</i>	
COMPARISON OF EDUCATIONAL CURRICULA OF ELEMENTARY SCHOOL MATHEMATICS: CASE OF THE REPUBLIC OF CROATIA	405
<i>R. Soldo</i>	
THE CORRELATION BETWEEN SELF-EFFICACY AND ACADEMIC ACHIEVEMENT IN MATHEMATICS TEACHING	410
<i>R. Soldo</i>	
KEEPING STUDENTS ENGAGED THROUGH GAMIFICATION	414
<i>I.M. Velez Osorio</i>	
FROM FACE-TO-FACE TO REMOTE LEARNING AND BACK: EMBRACING ACTIVE LEARNING	422
<i>I. Sarieva</i>	
LANGUAGE LEARNING AND DISTRIBUTED CLASSROOM: PERSPECTIVES AND STRATEGIES FOR THE POST-PANDEMIC ERA	429
<i>T. Sbardella, R. Dolci</i>	
PHARMACY STUDENTS' PERCEPTIONS OF OPEN AND DISTANCE LEARNING (ODL) ASSESSMENTS DURING COVID-19 LOCKDOWNS	437
<i>S. Jamil, A.S. Abdul Rahim</i>	
THE COMPARISON OF THE EDUCATIONAL STYLE IMPLEMENTATIONS BY EDUCATORS IN THE SCHOOL CHILDREN'S CLUBS IN TERMS OF SELECTED VARIABLES	444
<i>M. Novocký, S. Dulovics Sámellová, S. Kollárová, Š. Petrík</i>	

ENHANCING A TECHNICAL UNIVERSITY STUDENTS' SPEAKING SKILLS THROUGH VARIOUS SCAFFOLDING METHODS: A PRACTICAL STUDY ON RUSSIAN NATIVE SPEAKERS <i>A. Boltueva, I. Suvorova</i>	454
SEMINARS IN ENGLISH IN A SUBJECT OF THE MASTER'S DEGREE IN INDUSTRIAL ENGINEERING AT THE MIGUEL HERNÁNDEZ UNIVERSITY OF ELCHE <i>P. Martínez</i>	463
THE IMPACT OF AN INTERDISCIPLINARY, TOOL-BASED COURSE ON THE MOTIVATION OF TEACHER TRAINING STUDENTS <i>I. Olahne Teglasí</i>	468
TRANSFERABLE PROCESSES FOR INCREASING DIVERSITY IN HIGHER EDUCATION INSTITUTES AND RESEARCH ENVIRONMENTS IN PAKISTAN <i>A. Woodcock, S. Gardner, A.M. Nienaber, U. Naz</i>	477
RESEARCHERS PERCEPTIONS OF ACHIEVING IMPACT AND STAKEHOLDER ENGAGEMENT IN PAKISTAN <i>A. Woodcock, S. Gardner, A.M. Nienaber, U. Naz</i>	487
DIFFERENTIATION, PERSONALIZATION AND THE FLIPPED CLASSROOM APPROACH <i>M. Loizou</i>	496
USING LITERATURE TO DEVELOP CRITICAL THINKING AND CREATIVITY <i>I. Cimermanova</i>	497
THE VIKINGS ENHANCEMENT STEM INNOVATION AND COLLABORATION (VESTEMIC) MODEL: ENHANCING UNDERGRADUATE STEM EXPERIENCE AND STUDENT SUCCESS <i>K. Rawat, G. Payne</i>	503
A SOFTWARE FOR IMPROVED ACCESSIBILITY OF VISUAL CONTENT IN CLASS <i>F. Gomez-Donoso, F. Escalona, B. Dominguez-Dager, M. Pina-Navarro, F. Morillas-Espejo, M. Cazorla</i>	504
QASOR: INTRODUCING A QUESTION-ANSWERING SOCIAL ROBOT IN CLASS <i>A. Belmonte-Baeza, F. Gomez-Donoso, F. Escalona, R. Roig-Vila, R. Martinez-Roig, M. Cazorla</i>	510
PREPARING STUDENTS FOR THE FUTURE: INTRODUCING CO-CREATION AS LEARNING STRATEGY <i>A. Ramon-Aribau, J.A. Merchán-Baeza, C. Borralleras-Andreu, E. Minobes-Molina, S. Grau-Carrión</i>	516
CO-CREATING: DESIGNING MULTI-DISCIPLINARY SOLUTIONS WITH FAMILY CAREGIVERS OF PERSONS WITH ALZHEIMER'S AND BRINGING THE THIRD AND PRIVATE SECTOR INTO THE CLASSROOMS <i>S. Grau-Carrión, A. Ramon-Aribau, J.A. Merchán-Baeza, E. Minobes-Molina, C. Borralleras-Andreu</i>	517
BLEND THE LEARNING: BLENDING TECHNOLOGY AND TRADITION FOR BUSINESS STUDENTS IN HIGHER EDUCATION <i>L. Zizka, G. Probst</i>	518
THE NEED OF IMPLEMENTING SKILLS OF THE 21ST CENTURY INTO TEACHER EDUCATION <i>Z. Strakova</i>	526
CASE STUDY IN DIGITAL TRANSFORMATION COLLABORATION <i>T. Olson, P. Johnson</i>	533
TO BE OR NOT TO BE CREATIVE: FOREIGN LANGUAGE TEACHERS AS LEARNING MATERIALS DESIGNERS <i>I. Cimermanova</i>	537
FROM SCORING TO ASSESSMENT IN VIRTUAL COURSES, COMPARISON BETWEEN DEEP LEARNING AND MACHINE LEARNING <i>O. Cuéllar Rojas, M. Hincapié Montoya, M. Contero</i>	542
APPLICATION OF A PREDICTIVE MODEL CREATED WITH DEEP LEARNING TO INCREASE STUDENT RETENTION: A COMPARATIVE STUDY <i>O. Cuéllar Rojas, M. Hincapié Montoya, M. Contero</i>	553
ICT AS A DYNAMIZING ELEMENT OF SATISFACTION IN UNIVERSITY UNDERGRADUATE TEACHING <i>A. Marín García, I. Gil Saura, M.E. Ruiz Molina, R. Gil Saura</i>	561
UNIVERSITY STUDENTS SEGMENTATION BASED ON PERCEPTION TOWARDS ICT AND SATISFACTION <i>A. Marín García, I. Gil Saura, M.E. Ruiz Molina, R. Gil Saura</i>	562

“SHELTERED”: A HYBRID PRIVACY-PRESERVING APPLICATION FOR SECURE VIDEO CALLS OVER IP	563
<i>K. Tepetes, E. Papaioannou, C. Kaklamanis</i>	
KNOWLEDGE AND SKILLS OF MIGRANT SPORTS PROFESSIONALS IN SPAIN	574
<i>V. Esguerra, A.L. Esguerra, R. Solinas Of Mine Vaganti</i>	
RECONNECT A WORKSHOP TO PROMOTE HEALTHY INTERNET USE AND POSITIVELY AFFECT STUDENT WELLBEING AND ACADEMIC PERFORMANCE	582
<i>O. O’Brien, C. Murphy</i>	
ACTIONS OF STRUCTURES FROM THE ENERGY SECTOR IN CONDITIONS OF A CYBERATTACK	591
<i>C. Kostadinov, D. Dimitrov</i>	
STRUCTURED INTERACTIVE LEARNING MATERIALS AND STUDENT ENGAGEMENT IN A FLIPPED LEARNING EXPERIENCE	597
<i>F. Soares, A.P. Lopes</i>	
ADAPT@: A MULTILINGUAL AND MULTIMODAL ONLINE WEB APPLICATION TO PERSONALIZE TEXTUAL INFORMATION PROCESSING AND VISUALIZATION	605
<i>E. Lloret, B. Méndez, P. Moreda, M. Palomar</i>	
CONCEPT MAPS AS INCLUSIVE LEARNING TOOLS. THE VISUAL DESIGN PERSPECTIVE	615
<i>L. Bollini</i>	
INSTRUCTION FOR TRIVIA, CUCCUMELLA EDITION. TEACHING COMMUNICATION AND INTERACTION DESIGN IN A BACHELOR DEGREE’S CURRICULUM IN ART	621
<i>L. Bollini</i>	
EVALUATION OF THE IMPACT OF THE TRANSITION FROM FACE-TO-FACE EDUCATION TO EMERGENCY REMOTE EDUCATION IN A TECHNOLOGICAL TRAINING PROGRAM IN THE STATE OF AMAZONAS	628
<i>D. Pompeu Noronha Pontes, A. Mota, S. Marques</i>	
DOES THE SHAPE MATTER? COMPARING TWO WAYS OF STRUCTURING AN ONLINE LANGUAGE COURSE	634
<i>T. Ginzburg, L. Daniela</i>	
THE STORYLINE APPROACH AS A LIFELONG LEARNING TRAINING PROGRAM	641
<i>I. Iliopoulou</i>	
SEMANTIC RECOMMENDER SYSTEM USING MACHINE LEARNING FOR EDUCATION	645
<i>B. Mbaye</i>	
LIFELONG LEARNING METHODOLOGY TO ENCOURAGE SUSTAINABILITY IN CIVIL ENGINEERING STUDIES	651
<i>E.M. García-Del-Toro, S. García-Salgado, M.A. Quijano, M.I. Más-López</i>	
VIRTUAL LABORATORIES AS AN EDUCATIONAL TOOL TO PROMOTE THE SDGS OF THE 2030 AGENDA	657
<i>E.M. García-Del-Toro, M.I. Más-López, M.A. Quijano, S. García Salgado</i>	
FROM THE PROJECT SANDBOX TO THE REAL WORLD – WORK-INTEGRATED PROFESSIONAL DEVELOPMENT FOR BANK AND INSURANCE COMPANIES	667
<i>P. Mozelius, M. Håkansson Lindqvist</i>	
STUDY ON AI IN EDUCATION POLICIES	673
<i>V. Slavov, Y. Yan</i>	
DESIGNING A LEARNING FACTORY FOR TEACHING COMPLEX INTEGRATION OF TECHNOLOGIES THAT SUPPORT INDUSTRY 4.0	681
<i>T. Wanyama, B. Baetz</i>	
STUDENT MOTIVATIONS FOR ATTENDING UNIVERSITY AND ACADEMIC ADJUSTMENT IN FIRST-YEAR UNIVERSITY STUDENTS	688
<i>C. Truta, A.M. Cazan, M.M. Stan, C.I. Maican</i>	
DIFFICULTY OF BEBRAS TASKS FOR UPPER SECONDARY BLIND STUDENTS	696
<i>M. Čujdiková, L. Jašková, M. Stankovičová</i>	
DEVELOPING A MENTORING SCHEME FOR JUNIOR WOMEN RESEARCHERS IN ACADEMIA: BEST PRACTICE RECOMMENDATIONS	706
<i>C. Gjellebæk, I. Femdal, V.A. Grøndahl, I.M. Tjøstølven, L.A. Del Busso</i>	
PERSONAL FACTORS AS PREDICTORS OF ACADEMIC ADJUSTMENT IN FIRST-YEAR UNIVERSITY STUDENTS	707
<i>M.M. Stan, C.I. Maican, C. Truta, A.M. Cazan</i>	

LET'S ESCAPE! THE USE OF A DIGITAL ESCAPE ROOM TO INCREASE STUDENT'S MOTIVATION AND LEARNING ON KINEMATICS CONCEPTS <i>E. Martínez, V. Carbonell, J. Álvarez, M. Flórez, E. Montoya</i>	715
MASTERING 9 CONVERSATIONS, SUPPORTING REFUGEE ENTREPRENEURS TO EXTEND THEIR NETWORK AND TELL THEIR BUSINESS STORY <i>T. Hjeltnes</i>	716
LEARNING THE RELATION BETWEEN LANGUAGE, COMMUNICATION AND OUR BRAIN THROUGH RESEARCH PROJECTS IN COLLABORATION WITH HIGH-SCHOOL STUDENTS <i>V.J. López Madrona, D. Schön, C. Chaux, C. Bénar</i>	725
TEACHING AND DEVELOPING SCIENTIFIC RESEARCH PROJECTS WITH HIGH-SCHOOL STUDENTS THROUGH EXPERIMENTAL PROPOSALS <i>V.J. López-Madrona, G. Rueda Fernández, D. Moratal</i>	729
AN INTEGRATED LEARNING AND ASSESSMENT ENVIRONMENT FOR STEM COURSES BASED ON JUPYTERHUB <i>P. Salhofer</i>	733
MULTIDISCIPLINARY CONTINUING EDUCATION FOR EARLY CHILDHOOD CARE: TRAINING COOPERATION PROJECT WITH EL SALVADOR <i>M.M. Bernabé Villodre, V. Martínez-Bello, M. Aguilar-Rodríguez, M. Zarzoso-Muñoz, B. Tarazona-Álvarez, Y. Cabrera García-Ochoa, H. Vega-Perona, N. Sempere-Rubio, R. Faubel-Cava</i>	741
USING FACEBOOK AT UNIVERSITY: IMPACT ON STUDENTS' MOTIVATION TOWARDS ONLINE TEACHING DURING COVID-19 PANDEMIC <i>C. Fidalgo, S. Collado, G. Lopez-Crespo, M. Mendez-Lopez</i>	750
ONTOSEMIOTIC ANALYSIS ON PROBLEM-SOLVING AND PROBLEM-POSING <i>M. Burgos, N. Tizón-Escamilla, J. Chaverri</i>	751
DIDACTICAL SUITABILITY ANALYSIS OF CURRICULAR MATERIALS IN PROBABILITY. IMPLICATIONS FOR TEACHER TRAINING <i>M. Burgos, B. Cotrado, P. Beltrán-Pellicer</i>	759
A SUCCESSFUL COLLABORATION BETWEEN INDUSTRY AND UNIVERSITY: ICOXTREM <i>J.A. Aledo, J.A. Gámez, A. Rosete, E. Sánchez-Muliterno</i>	766
COLLABORATIVE WORK IN THE INTERNATIONAL PARTNERSHIP ECOSYSTEM <i>A.M. Pires, A.C. Sousa</i>	770
SHORT VIDEOS AS AN EDUCATIONAL TOOL TO ENHANCE LEARNING <i>J.A. Aledo, H. Macià</i>	775
COVID LOCKDOWN SPIKED INTEREST IN DENTAL SPECIALTY EDUCATIONAL BLOGS <i>J. Wang, J. Botros, M. Padilla</i>	780
EXAMINING THE ROLE OF EMOTIONS IN ONLINE HEALTH INFORMATION-SEEKING BEHAVIOR (OHISB): THEIR RELATIONSHIP WITH HEALTH DISPARITIES, EHEALTH LITERACY, AND GENDER <i>E. Malinaki, A. Gardikiotis</i>	787
GAMIFICATION AND DEVELOPMENT OF VIRTUAL CONTENT FOR CLASSROOM DYNAMISATION AND LEARNING IMPROVEMENT AT UNIVERSITY <i>A. Garcia-Alonso, I. Mateos-Aparicio, M.L. Pérez-Rodríguez, M. Sánchez-Paniagua, E. Rodríguez-Rodríguez, M. Moreno-Guzmán, J. Sanz Landaluce, C. Rueda, A. Gallo, R. De la Peña-Armada</i>	788
ACTIVITIES IN INNOVATIVE EDUCATION AS A FACTOR OF COMPETITIVENESS FOR TECHNICAL UNIVERSITY GRADUATES <i>M. Kuperová, M. Zatrochová</i>	792
DEVELOPING THE GAMIFICATION APPROACH FOR STEM LEARNING <i>M. Zagar, S. Zilora</i>	797
LANGUAGE IN PRESCHOOLERS. CAN THE DIDACTIC GAME BE A TOOL THROUGH WHICH LANGUAGE CAN BE DEVELOPED IN PRESCHOOLERS? <i>K.M. Barth, M.C. Florescu, C.C. Pascariu</i>	803
WHICH PROMOTES LEARNING SUCCESS AND ACCEPTANCE BETTER? EXPERIMENTAL COMPARISON BETWEEN AN INTELLIGENT AND A PASSIVE ONLINE LEARNING ENVIRONMENT <i>J. Voermanek, A. Schulz</i>	809
AMBIENT LEARNING SPACES: THE ROLE OF DISTRIBUTED KNOWLEDGE MEDIA MANAGEMENT SYSTEMS FOR COMPUTER-SUPPORTED TEACHING AND LEARNING <i>M. Herczeg</i>	820

DEVELOPING AND IMPLEMENTING THE CURRICULUM FOR A DEGREE IN GEOSPATIAL SURVEYING TO MEET THE REQUIREMENT OF STUDENTS AND INDUSTRY - A CASE STUDY <i>R. Hayden, A. Martin</i>	831
AUTO-GENERATION OF PROGRAMMING EXERCISES FOR EDUCATION OF MPI AND AVX PARALLEL PROGRAMMING <i>A. Wakatani, T. Maeda</i>	841
IMPROVING THE EFFECTIVENESS OF HEALTH EDUCATION OF ROMANY PUPILS FROM A SOCIALLY DISADVANTAGED ENVIRONMENT <i>J. Liba, P. Mirdalíkova</i>	850
SOCIAL INFLUENCE OF GAME-BASED LEARNING AND STUDENTS' ACADEMIC PERFORMANCE <i>L.M. Marín-Vinuesa, M.P. Portillo-Tarragona, S. Scarpellini, M. Marco-Fondevila, A. Aranda-Usoń</i>	859
ENHANCING MOTIVATION AND CREATIVITY IN THE WRITING OF PRIMARY SCHOOL STUDENTS THROUGH SLAM WRITING WORKSHOPS IN HAÏTI <i>A. Boultif, C. Ouellet, P.J. Romain</i>	865
INCUBATING UNIVERSITY LEARNING OUTCOMES VIA EXTRA-CURRICULAR ENGAGEMENT <i>P.B. Kanduboda</i>	866
DEVELOPING USEFUL WORKFLOWS TO TEACH QUANTITATIVE METHODS TO SOCIAL SCIENCES STUDENTS <i>F. Salas-Molina</i>	867
THE IMPACT OF ONLINE TEACHING ON FACULTY TEACHERS DURING THE COVID 19 PANDEMIC <i>S. Bračun</i>	873
SPECIFICS OF THE EDUCATION AND TRAINING CENTRE OF THE MEDICAL RESCUE SERVICE OF THE SOUTH BOHEMIAN REGION <i>S. Kavan, Z. Freitinger-Skalicka, L. Michalcova, S. Strnad</i>	882
EDUCATION IN SAFETY IN RELATION TO THE FRAMEWORK EDUCATION PROGRAMME IN THE CZECH REPUBLIC <i>S. Kavan, J. Dusek</i>	888
EDUCATIONAL AUTONOMY IN THE MODERN PROJECT ACTIVITIES OF STUDENTS <i>S. Khusainova, E. Palekha</i>	896
THE CONCEPT OF INFORMATION AND COMMUNICATION SECURITY IN THE NEW EDUCATIONAL ONLINE ENVIRONMENT <i>E. Palekha, S. Khusainova, Z. Makhmutov</i>	902
DSGAME KIDS: LEARNING DATA SCIENCE PROJECTS THROUGH A STORYTELLING BOARD GAME <i>A. Fernández-Isabel, I. Martín de Diego, M. Cuesta, C. Lancho, J. M. Moguerza</i>	908
STRATEGIC USAGE OF SOCIAL MEDIA: CAN WE MONITOR ATTITUDES? <i>J. Villagrasa, C. Donaldson, C. López</i>	918
LAMBDA FUNCTION IN EXCEL IN RESPONSE TO CHALLENGES OF NONPROGRAMMERS IN MODERN CORPORATE PRACTICE <i>P. Lasak, M. Králová</i>	931
APPROACHING ATONAL-MUSIC ANALYSIS THROUGH COMPUTER-AIDED STRATEGIES: TWO REPORTS FROM UNIVERSITY STUDENTS' DATA <i>J.L. Besada</i>	938
HOW TO WIND THE STRATEGIC CLOCK: A BEST PRACTICE EXAMPLE SHOWING THE DYNAMIC PROCESS THAT UNDERLIES <i>J. Villagrasa, F. Sánchez, C. Donaldson</i>	943
SUSTAINABLE SCHOOL IMPROVEMENT: THE INTERRELATED DRIVING FORCES <i>M. Osman</i>	956
FORMATIVE ASSESSMENT TECHNIQUES SUPPORTING SCIENCE CONCEPTUAL LEARNING <i>K. Szarka, B. Borovicza</i>	957
A REVIEW OF DIAGNOSTIC ASSESSMENT TOOLS USED IN STUDIES TO UNCOVER THE MISCONCEPTIONS IN SCIENCE EDUCATION <i>B. Borovicza, K. Szarka</i>	967
THE IMPORTANCE OF SAFETY EDUCATION FOR HOSPITAL STAFF <i>L. Michalcová, Š. Kavan, Z. Freitinger-Skalicka, Š. Strnad</i>	974

ENABLING LABOUR MARKET TRANSITION BY MICRO LEARNING-INSPIRED COMPETENCY DEVELOPMENT: AN EXPLORATIVE CASE STUDY OF UNDERSTANDING ONLINE TEACHING PRACTICES	980
<i>L. Gottschling-Knudsen, M.H. Dahm</i>	
"DIGITAL ACCELERATOR" PROGRAM FOR SUPPORTING THE INTEGRATION OF DIGITAL TECHNOLOGY IN ESTONIA	990
<i>P. Luik, K. Požogina</i>	
EVALUATION OF AN INNOVATIVE VIRTUAL ESCAPE ROOM PILOT ACTIVITY TO ENHANCE STUDENT LEARNING EXPERIENCE IN VETERINARY PHARMACOLOGY	1000
<i>L.A. Olivos-Oré, M.V. Barahona Gomariz, E. Jiménez Burgueño, C. Llorente Sáez, F. Ortega de la O, M.R. Gómez Villafuertes, J. Serrano López, E. García Delicado, R. Martín Herranz, A. García Barrios, S. Santander Ballestín, M.J. Luesma Bartolomé, S.W. Calderón Ruiz, L. Paniagua Herranz, B. Pérez Sánchez, N. Ramírez Vicente, M.J. Muelas González, M. Arribas-Blázquez</i>	
AN ESCAPE ROOM AS AN IMPLEMENTATION OF GAMIFICATION MATERIAL FOR LEARNING PHARMACOLOGY	1007
<i>M. Arribas-Blázquez, M.V. Barahona Gomariz, E. Jiménez Burgueño, C. Llorente Sáez, F. Ortega de la O, M.R. Gómez Villafuertes, J. Serrano López, E. García Delicado, R. Martín Herranz, A. García Barrios, S. Santander Ballestín, M.J. Luesma Bartolomé, S.W. Calderón Ruiz, L. Paniagua Herranz, B. Pérez Sánchez, N. Ramírez Vicente, M.J. Muelas González, L.A. Olivos-Oré</i>	
KEEPING STUDENTS ENGAGED: LESSONS FROM THE PANDEMIC	1013
<i>A. Fernandez, G. Shaw</i>	
THE IMPORTANCE OF TRAINING AND EDUCATION OF POLICE OFFICERS IN INTERCULTURAL COMMUNICATION AND WORKING WITH MINORITIES	1018
<i>S. Strnad, Z. Freitinger-Skalicka, L. Michalcova, S. Kavan</i>	
RESULTS OF A SERVICE-LEARNING PROJECT FOCUSED ON MEDICINE INFORMATION IN HIGH SCHOOL STUDENTS	1028
<i>A. Bocanegra, A. Garcimartín, A. García-Aguilar, L.M. Bedoya, J.A. Guerra, J.J. Merino, R. Redondo-Castillejo, M. Hernández Martín, I. Ureña-Vacas, F.J. Manzano-Lista, E. González-Burgos</i>	
PHARMACOLOGY VIDEOS AS A LEARNING TOOL TO PROMOTE ACTIVE LEARNING AND KNOWLEDGE TRANSFER IN UNIVERSITY STUDENTS	1034
<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. Garcimartín</i>	
"OUR SUSTAINABLE SCHOOL GARDEN", A STORYLINE APPROACH DURING THE COVID19 PANDEMIC	1041
<i>S. Petrogiannou</i>	
VERIFICATION OF THE INTER-RATER RELIABILITY IN THE NATIONAL UNIVERSITY CORPORATION EVALUATION IN JAPAN	1051
<i>S. Shibui, K. Mori, M. Kitazaki</i>	
TEACHER-STUDENTS' LEARNING TO TEACH PHENOMENON-BASED LEARNING PROJECTS	1052
<i>M. Talvio, A.P. Rainio</i>	
SOFTWARE FOR MUSIC EDUCATION: AUTOMATIC EVALUATION OF INTONATION ON BRASS AND STRING INSTRUMENTS	1059
<i>J. Tejada, A. Murillo, A.M. Pérez González-de-Martos</i>	
USING MACHINE LEARNING ALGORITHMS TO FORM AN AUTOMATIC STUDENT'S GRADE BASED ON THE SETS OF ASSESSMENT QUESTIONS	1066
<i>O. Shvets, J. Kuzmina, K. Murtazin, G. Pihon, M. Meeter</i>	
PROBLEMS OF ONLINE LEARNING DURING THE PERIOD OF THE COVID 19 PANDEMIC AND POTENTIAL PROBLEM SOLUTIONS AT THE VILNIUS COLLEGE OF TECHNOLOGIES AND DESIGN	1075
<i>A. Gulbinas</i>	
WRITTEN COMMUNICATION APPREHENSION EXPERIENCED BY FIRST-YEAR UNDERGRADUATE ACCOUNTING STUDENTS	1082
<i>C. Ireland</i>	
THE TECHNOLOGISATION OF THEMATIC ANALYSIS: A CASE STUDY INTO AUTOMATISING QUALITATIVE RESEARCH	1092
<i>M. Constantinou, R. Polvara, E. Makridis</i>	
CLUSTERING OF EU COUNTRIES ACCORDING TO SELECTED ECONOMIC INDICATORS AND THEIR PISA2018 RESULTS	1099
<i>A. Jazbec, N. Erjavec</i>	
BUSINESS STUDENTS TEACHING DECENT WORK (SDG 8) IN SCHOOLS: A PEER-TO-PEER LEARNING EXPERIENCE	1100
<i>P. Hauptfeld, J. Kuhlmann, T. Semmler-Matosic</i>	

MUSICBLOCKS: A TECHNOLOGICAL DEVICE TO HELP STUDENT LEARN THE FUNDAMENTALS OF MUSIC <i>B. Miotti</i>	1109
CHANGES IN THE TEACHING, TOOLS USED, AND ACADEMIC PERFORMANCE DUE TO DISTANCE LEARNING <i>M. Lepp, P. Luik, L. Raudsepp</i>	1116
THE IMPACT OF LOCKDOWN DURING THE COVID-19 PANDEMIC ON STUDENT BEHAVIOUR AND EXAM SUCCESS RATE <i>J. Kulička, V. Jehlička</i>	1126
EIGENVALUES AND EIGENVECTORS IN THE EDUCATION OF THE FUTURE TRANSPORT ENGINEERS WITH SUPPORT OF MATLAB <i>J. Kulička</i>	1136
BIBLIOGRAPHIC REVIEW ON TEACHING ORTHOGONAL PROJECTIONS WITH 3D TECHNOLOGY <i>C. Chioai, A. Soares, P. Catarino</i>	1145
MOTIVATIONAL DESIGN IN FOREIGN LANGUAGE DISTANCE LEARNING <i>E. Dolzhich, S. Dmitrichenkova, P. Dolzhich, Y. Sanchez Pozuelo</i>	1155
SHIFT BACK TO IN-PERSON CLASSES PRESENTS NEW CHALLENGES <i>E. Dolzhich, S. Dmitrichenkova, P. Dolzhich</i>	1161
INFORMATION AND MULTIMEDIA SECURITY IN AN ONLINE LEARNING ENVIRONMENT <i>T. Pandian</i>	1166
ACTIVITIES TO IMPROVE THE COMMUNICATION SKILLS OF STUDENTS IN AN ACOUSTICS COURSE IN AN ENVIRONMENTAL ENGINEERING DEGREE <i>E. Macho-Stadler, M.J. Elejalde-García</i>	1172
EMPLOYABILITY AS A QUALITY AND IMPACT MEASURE OF DOCTORAL EDUCATION: A SUBVERTICAL MODEL <i>D. Roy, M.E. Garcia Alvarez, M.D. Jimenez Lopez</i>	1180
AN EDUCATIONAL FRAMEWORK FOR FINANCIAL CONSULTANTS <i>C. Gal-Chiș, A. Birta</i>	1188
A FINANCIAL EDUCATIONAL WEB TOOL BASED ON ONLINE RESOURCES <i>C. Gal-Chiș, D. Oprea</i>	1198
UNLEARNING FOR DEEPER LEARNING <i>K. Adjout, G. Jain, L. Brown</i>	1206
AI CHATBOT-SUPPORTED GRAMMAR TENSE LEARNING ON EFL STUDENTS LEARNING EFFECTIVENESS <i>M.R.A Chen, Y.H. Lin</i>	1207
EFFECT OF FLIPPED CLASSROOM ON COGNITIVE AND EMOTIONAL SKILLS DEVELOPMENT OF PRIMARY SCHOOL PUPILS <i>C. Okeke, T. Akobi</i>	1217
EFFECTS OF DEMOGRAPHIC CHARACTERISTICS ON WORK STIMULATED STRESS AMONG EARLY CHILDHOOD EDUCATORS USING STRUCTURAL EQUATION MODELLING <i>T. Akobi, C. Okeke</i>	1226
STRESS COPING STRATEGIES AND PECULIARITIES OF THE SENSE OF COHERENCE IN SENIOR – FORM STUDENTS, DURING THE COVID 19 PANDEMIC <i>A. Ivanauskas, J. Laurinavičiūtė</i>	1234
SPECIAL COURSE AS A FORM OF STUDENTS' ADAPTATION TO THE EUROPEAN CREDIT TRANSFER SYSTEM <i>G. Ereemeeva, N. Sigacheva, M. Sigachev</i>	1240
INTERACTION OF PHYSICAL EDUCATION AND SPORTS TEACHERS WITH STUDENTS IN A DIGITAL EDUCATIONAL ENVIRONMENT: THEORETICAL BACKGROUND <i>M. Sigachev, N. Sigacheva, G. Ereemeeva</i>	1248
IS THE CALCULATION OF THE MEDIAN FOR UNIVERSITY STUDENTS SIMPLE? <i>A.E. Madrid-García, S.M. Valenzuela-Ruiz, C. Batanero</i>	1253
ENERGY - THE CENTRAL IDEA OF THE ESCAPE GAME <i>R. Maršálek, K. Trčková, Z. Václavíková</i>	1258
MIND MAP AS A TOOL FOR STRUCTURING CONCEPTS AND INTERDISCIPLINARY RELATIONSHIPS <i>K. Trčková, R. Maršálek, Z. Václavíková</i>	1265

LINKS BETWEEN WORK STRESS, FATIGUE AND WORK ENGAGEMENT OF THE TEACHERS IN PUBLIC AND PRIVATE SCHOOLS DURING THE COVID-19 PANDEMIC <i>R. Pilkauskaitė Valickienė, K. Gintoot</i>	1274
ONLINE STUDENT FEEDBACK USING THE CAPACITY BUILDING FRAMEWORK OF PEDAGOGY, ANDRAGOGY, HEUTAGOGY, AND TRANSACTIONAL DISTANCE <i>J. Robinson</i>	1282
AUGMENTED REALITY IN PRIMARY EDUCATION: TEACHERS' PERSPECTIVES ON POTENTIAL AND BARRIERS <i>J. Tiede, K. Förster, S. Grafe, E. Mangina</i>	1283
INTERACTION ACTIVITIES WITH ICT TOOLS FOR ENGINEERING: ANALYSIS OF APPLICABILITY OF THE FLIPPED CLASSROOM AND ACADEMIC RESULTS <i>Z. Azkorra-Larrinaga, I. Gómez-Arriaran, K. Martín-Escudero, A. Erkoreka-González, N. Romero-Antón</i>	1293
MAPPING THE KEY MOTIVATIONS OF OPENLEARN LEARNERS IN THE PANDEMIC <i>P. Law</i>	1298
DEVELOPING PRIMARY SCHOOL OUTREACH ACTIVITIES AS PART OF THE RETHINKING ENGINEERING EDUCATION IN IRELAND PROJECT <i>K. O'Sullivan, I. Morris, N. Fitzgerald, C. Cassidy, J. Walsh, E. O'Connell, F. Boyle</i>	1307
HYGIENE IN THE COURSE OF TIME – A SERIOUS ADVENTURE GAME ON THE TOPIC OF (HOSPITAL) HYGIENE <i>T. Wernbacher, S. Wimmer, N. Denk, C. Kraus, G. Mittmann, A. Pfeiffer</i>	1315
A PROPOSAL FOR CATEGORIZING GAME-BASED ASSESSMENT METHODS <i>A. Pfeiffer, N. Koenig, T. Wernbacher, S. Bezzina, A. Dingli, V. Vella</i>	1323
MODELING AND SIMULATION OF ENERGY SYSTEMS: AN INTEGRATED PRACTICAL EXERCISE <i>L. García-Pérez, M. Santos</i>	1330
THE PERSONAL LEARNER PROFILE, AS THE KEY COMPONENT FOR SHAPING A PERSONALIZED LEARNING JOURNEY, IN A LEARNING MANAGEMENT SYSTEM IN THE DIGITAL ERA <i>M. Facler</i>	1336
THE LIVED EXPERIENCE OF BLACK INTERNATIONAL STUDENTS AT A POST-1992 UNIVERSITY IN ENGLAND: AN INTERPRETATIVE PHENOMENOLOGICAL ANALYSIS OF ACADEMIC RESILIENCE <i>P. Seuwou, D. Sarwar, A. Pilkington</i>	1345
AN INVESTIGATION OF THE READING HABITS OF UNDERGRADUATE ENGLISH AS A FOREIGN LANGUAGE STUDENTS AT AN OPEN UNIVERSITY IN THAILAND <i>C. Vivekmetakorn, C. Ireland</i>	1355
A SUGGESTED MODEL FOR A STEAM NON-FORMAL TRAINING TO EMPOWER GIRLS <i>D. Bebenova-Nikolova, D. Zhelezova-Mindizova</i>	1361
AN INTERNATIONAL DESIGN STUDIO: EXPERIENCES AND LESSONS FOR THE CHANGING EDUCATION AND PRACTICE OF DESIGN <i>D. Hasirci, Y. Albayrak Kutlay</i>	1366
PEDAGOGICAL AGENCY IN DIGITALISED EDUCATION <i>T. Winman</i>	1375
ASSESSMENT OF PEDAGOGICAL COMPETENCE OF ACADEMIC STAFF: CRITERIA AND INDICATORS <i>O. Vindača, V. Ľubkina</i>	1385
THE GREAT QUIZ OF DATABASES <i>A.J. Díaz Honrubia, L. Prieto-Santamaría, A. Rodríguez-González, E. Menasalvas-Ruiz, L. Mengual-Galán, C. Fernández-Baizán</i>	1395
RESULTS AND IMPACT ASSESSMENT OF TWO YEARS OF THE LEAF PROJECT: THE EUROPEAN RESEARCHERS NIGHT FOCUSED ON GREEN DEAL TOPICS <i>G. Burzachechi, A. Della Ceca, G. Ciocca, E. Diociaiuti, R. Donghia, V. Guglielmotti, M. Martini, S. Pierangeli</i>	1404
TWENTY FIRST CENTURY DIGITAL SKILLS AMONG IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY GRADUATES <i>S. Zakareya, J. Alghamdi, G. Alshafei, F. Mostafa, S. Shahpo, S. Alzahrani</i>	1413
CREATED ONLINE PLATFORM: ARCHIVING, UNARCHIVING, AND INTERPOLATING IN A TIMELINE <i>T. Assis, C. Martins, R. Boavista, G. Magalhães, A. Aguiar</i>	1423

THE DIGEDU-2022 PROJECT: DIGITIZATION AND DIGITALIZATION OF PRESCHOOL AND PRIMARY EDUCATION THROUGH MOBILE APPLICATIONS <i>M. Čarapina</i>	1431
DIGITAL POVERTY AS A BARRIER TO ACCESS <i>G. Curry, J. Butcher</i>	1436
THE PROTOTYPE OF A TABLET SPLIT-SCREEN APPLICATION FOR COLLABORATIVE LEARNING <i>M. Čarapina, K. Pap</i>	1437
CHALLENGES AND OPPORTUNITIES IN THE USE OF OPEN EDUCATIONAL RESOURCES BY K-12 TEACHERS <i>E. Rodrigues, O. Luiz de Oliveira</i>	1445
THE IMPACT OF HOSTILE AND BENEVOLENT SEXISM ON YOUNG WOMEN'S COGNITIVE RESPONSE AND PRODUCTIVITY <i>K. Žardeckaitė-Matulaitienė, V. Balčiūnė</i>	1451
ONLINE TEACHING AND STUDENTS' ACADEMIC (DIS)HONESTY <i>S. Bračun</i>	1458
MEETING THE NEEDS OF MULTILINGUAL LEARNERS WITH AND WITHOUT DISABILITIES: A TEAM APPROACH TO INTERVENTION <i>S. Watson, S. Judge</i>	1469
BEPART PROJECT: SCENARIOS OF YOUTH PARTICIPATION AND CURRICULAR INNOVATION AT SCHOOLS <i>A. Monteiro, C. Leite, M. Sampaio, R. Barros</i>	1470
A REVIEW OF STRATEGIES, MEASURES AND SERVICES IMPLEMENTED TO ADDRESS THE NEEDS OF DISABLED STUDENTS DURING THE COVID-19 OUTBREAK IN GREECE: CHALLENGES AND PERSPECTIVES <i>T. Papazoglou, F. Papazis, S. Kalaitzi, A. Vlachou, L. Tsermidou, A. Toulia, A. Fyssa</i>	1478
HOW DO NOVICE TEACHERS PERCEIVE THE EFFECTIVENESS OF PROJECT-BASED LEARNING TRAINING? <i>N. Clark</i>	1479
THE COMPARATIVE STUDY OF THE EFFECTS OF INQUIRY LEARNING MODEL, RQA LEARNING MODEL, MIXED-LEARNING MODEL (INQUIRY, RQA, TPS), AND CONVENTIONAL LEARNING ON THE RETENTION OF BIOLOGY CONCEPT GAINING AT SENIOR HIGH SCHOOLS IN INDONESIA <i>A.D. Corebima, S. Sulisetijono, B.H. Siswati, N. Choirunisa'</i>	1487
VOCATIONAL TRAINING IN THE CONSTRUCTION SECTOR TO HELP MEET EUROPEAN GREEN DEAL TARGETS <i>G. Sotorrio, J.A. Tenorio Rios, C. Verde Ramis, E. Rodriguez Arevalo</i>	1494
WHY DO CHILDREN LEARN PROGRAMMING? –A LITERATURE REVIEW OF CONTEMPORARY RESEARCH <i>A. Fuentes Martinez, S. Ekström, N. Humble</i>	1503
ANALYSING ONLINE TOOLS USED DURING COVID-19 PANDEMIC AND THE POTENTIAL OF THEIR USE FOR STANDARD TEACHING <i>F. Smrčka, Z. Dostálová, H. Vojáčková</i>	1511
A REPORT CONTENTS FRAMEWORK FOR THE FINAL YEAR PROJECT IN COMPUTER SCIENCE DEGREES <i>P. Bermejo, V. Pérez-Piqueras</i>	1521
HOW TEACHERS ARE AFFECTED BY INSTITUTIONAL ACTIONS AIMING TO REDUCE E-LEARNING BARRIERS IN HIGHER EDUCATION <i>T. Millidonis, P. Lois, I. Georgiou, E. Tsoukatos</i>	1527
WHAT IS THIS BUG? INTERACTIVE ENTOMOLOGICAL KEY TO HELP THE STUDY OF INSECT'S ORDERS <i>M. Ferrer-Suay, J. Selfa</i>	1537
21ST CENTURY SKILLS IN HIGHER EDUCATION - AN EMPIRICAL ANALYSIS OF CURRENT CHALLENGES AND POTENTIALS AT A UNIVERSITY OF EXCELLENCE <i>M. Kienzler, A. Jantos, L.M. Langesee</i>	1542
ANALYSIS OF THE GENERATION OF EXPLANATIONS FOR SELF-ASSESSMENT EXERCISES ON ALGORITHM SCHEMES AND DATA STRUCTURES <i>L. Araujo, J. Martinez-Romo, L. Plaza, F. Lopez-Ostenero</i>	1554
CO-CREATING INNOVATIONS IN SHARED LEARNING TEAMS, WORKING IN TEAMS WITH STUDENTS, LECTURERS AND WORKFIELD PARTNERS IN HIGHER EDUCATION <i>C. Thomassen, T. Stover</i>	1564

CHILDREN'S PARTICIPATION IN EDUCATIONAL PLANNING IN KINDERGARTEN	1571
<i>S. Ograjšek, M. Mithans, M. Ivanuš Grmek</i>	
TEACHERS' USE OF THE DEMONSTRATION METHOD IN SLOVENIAN PRIMARY SCHOOLS	1577
<i>M. Mithans, S. Ograjšek, M. Ivanuš Grmek</i>	
COMBINING PERSONAL STUDENTS' LIVES WITH HIGHER EDUCATION IN EUROPE: A STUDY OF THE REGULATIONS AND HOW THEY AFFECT STUDENTS WITH FEWER OPPORTUNITIES	1583
<i>S.J. Ros Turégano</i>	
THE INCLUSION OF STUDENTS WITH DIFFICULTIES IN COMBINING STUDIES, FAMILY AND WORK IN HIGHER EDUCATION: DESIGN OF A QUALITATIVE RESEARCH TO FIND OUT THE CAUSES OF THEIR DROPOUT OF UNIVERSITIES	1589
<i>S.J. Ros Turégano, B. Escarabajal Aniorte, N. Rial Peralta</i>	
IMPACTS OF FACULTY MINDSET AND CULTURAL COMPETENCY ON THE SUCCESS OF COMMUNITY COLLEGE TRANSFER STUDENTS IN ENGINEERING AT A 4-YEAR INSTITUTION	1596
<i>I. Fomunung</i>	
TRANSDISCIPLINARY DIDACTICS IN THE TRAINING OF YOUNG PEOPLE IN SOCIAL VULNERABILITY IN BRAZIL	1597
<i>V.L. Silva, V. Simão, S. Andrade</i>	
"BECAUSE OF THIS WAR, I WILL REPEAT THE YEAR...": SMARTPHONES' USE OF UKRAINIAN REFUGEES CHILDREN	1603
<i>N. Khvorostianov</i>	
RELIABILITY AND VALIDITY IN OBSERVATIONAL EVALUATION OF TEACHER CANDIDATES	1604
<i>M. Strong, J. Gargani</i>	
CURRICULUM DESIGN AND ASSESSMENT OF A MULTIMEDIA STORYTELLING COURSE FOR NURTURING CREATIVITY AMONG SECONDARY SCHOOL STUDENTS IN HONG KONG	1605
<i>M. Fung, K. Chan, M. Tse, J. Lau</i>	
HYBRID LEARNING AND ITS IMPACT ON PEDAGOGICAL ENTITIES AND ITS INTEGRATION IN HIGHER EDUCATION IN MOROCCO	1606
<i>I. Nanou, B. Riyami, M. Azzouazi, E.H. Labriji</i>	
LEARNING GEOMETRIC TRANSFORMATIONS IN LUDODIDACTIC ACTIVITIES	1612
<i>A. Amirante, L. Tortorelli, I. Veronesi</i>	
A PHENOMENOGRAPHIC STUDY ON SINGAPORE PRIMARY SCHOOL CHINESE TEACHERS' PERCEPTION OF THEIR BLENDED LEARNING EXPERIENCES	1619
<i>L.X.M. Peh, G.P. Aw</i>	
IMPLEMENTATION OF GENERIC SKILLS IN THE PROGRAMMES OF THE SCHOOL OF AGRICULTURAL, FOOD AND BIOSYSTEMS ENGINEERING: A METHODOLOGICAL PROPOSAL	1620
<i>B. Diezma, E.C. Correa Hernando, R. Haro Hidalgo, J.M. Arroyo Sanz, F. Ayuga, R.M. Carabaño, P. Esteve, P. González-Melendi, C. López, D. Palmero, D. Pereira</i>	
IMPACTS OF A LEARNING ENVIRONMENT USING TECHNOPELAGOGY ON COMPETENCY DEVELOPMENT IN COVID-19 TIME	1627
<i>P.Y. Therriault, J. Maclure, S. Gagné-Trudel, M.É. Lacombe, L. Tardif</i>	
INTERCULTURAL EXCHANGE IN TIMES OF CRISIS: BILINGUAL COLLABORATIONS	1636
<i>N. Tcherepashenets</i>	
ONLINE ADJUNCT FACULTY IN A GIG ECONOMY: SUPPORTING SUCCESSFUL ONLINE TEACHING AND LEARNING	1637
<i>J. Robinson</i>	
PRACTICE BASED AUTOMATION SYSTEMS EDUCATION	1638
<i>T. Wanyama</i>	
PARASITES IN MOTION: TEACHING VIDEO LIBRARY	1644
<i>M.T. Gómez Muñoz, A. Montoya, A.S. Olmeda, L. de Juan, I. Azami, J.P. Barrena, J.D. Carbonell, I. Hurtado, F. Valcárcel, A. Meana</i>	
SELECTED ASPECTS OF ELEMENTARY SCHOOLS' APPROACHES TO THE PRIMARY PREVENTION OF PUPILS' RISKY BEHAVIOR	1651
<i>E. Zezulková, K. Janků, J. Pipeková, J. Viktorin</i>	
SCHOOL EDUCATION, TECHNOLOGIES, CHALLENGES – PRACTICE, ANALYSIS AND PERSPECTIVES BASED ON THE GEORGIAN EXAMPLE	1658
<i>L. Tavidgiridze, G. Katamadze, M. Bolkoadze</i>	

PARTICULARLY GIFTED YOUTH-CENTERED LEARNING/SAFE ENVIRONMENT, THE CHALLENGES OF STANDARDIZATION AND LEGAL REGULATION	1663
<i>L. Tavdgiridze, L. Jakeli, N. Sherozia, M. Bolkoadze</i>	
POST SECONDARY TECHNICAL VOCATIONAL EDUCATION AND TRAINING EDUCATION FRAMEWORK FOR AUTISTIC LEARNERS IN MALAYSIA	1668
<i>M.K. Puteri Zarina, M.Y. Mohd Yusop, S. Palanible, N.S. Abdul Rani, N.A. Mohd Nor, S.I. Safie, C. Mason</i>	
SOCIAL INNOVATION BY HIGHER EDUCATION INSTITUTIONS: THE CASE OF TWO DISTINCT UNIVERSITIES IN A MUNICIPALITY IN GHANA	1678
<i>A. Kuranchie</i>	
DEVELOPMENT OF COMPUTATIONAL THINKING COMPETENCES IN A TEACHER EDUCATION PROGRAM	1686
<i>O. Broza, L. Biberan-Shalev, N. Chamo</i>	
THE IMPACT OF LECTURERS' INVOLVEMENT IN TRAINING ON LEARNING OUTCOMES DEVELOPMENT ON THEIR STUDENTS' ACADEMIC ACHIEVEMENT	1687
<i>S. Gogiashvili</i>	
BUILDING THE "4C" INTERNATIONAL PARTNERSHIP FOR THE EFFECTIVE INTERNATIONAL PROJECTS	1692
<i>D.A. Krawczyk</i>	
STAKEHOLDERS' INVOLVEMENT IN THE DESIGN AND FURTHER DEVELOPMENT OF LEARNING OUTCOMES	1696
<i>S. Gogiashvili, N. Doghonadze, J. Krajka</i>	
FOCUS: MONITORING THE DEGREE OF CONCENTRATION	1706
<i>Š. Gergelitsová, T. Holan</i>	
A RESEARCH AGENDA FOR BEAUTY AND SPA EDUCATION	1711
<i>C. Coughaln, C. Murphy</i>	
DEALING WITH IMPLICIT STRUCTURES IN THE TRANSLATION TRAINING ACTIVITIES	1717
<i>F. Sitdikova, S. Peretochkina, K. Sakhibullina</i>	
GLOBALIZATION THROUGH THE ENGLISH LANGUAGE: THE CHALLENGES	1725
<i>A. Beytenbrat, R. German</i>	
INCORPORATION OF PROJECT BASED LEARNING METHODOLOGY IN THE SUBJECT OF MATERIALS SCIENCE IN THE MECHANICAL ENGINEERING DEGREE	1726
<i>J. Gomez-Caturla, J. Ivorra-Martinez, O. Fenollar, N. Montanes, D. Garcia-Garcia</i>	
SIMULATION OF A WORK ENVIRONMENT AS A LEARNING METHODOLOGY IN THE INDUSTRIAL DESIGN AND PRODUCT DEVELOPMENT ENGINEERING DEGREE	1732
<i>J. Ivorra-Martinez, J. Gomez-Caturla, V. Moreno, D. Garcia-Garcia, L. Quiles-Carrillo</i>	
INCORPORATION OF THE SUSTAINABLE DEVELOPMENT GOALS IN SUBJECTS OF THE MATERIALS SCIENCE AREA: USE OF PLE AND CONTENT CURATION	1739
<i>M.D. La Rubia, J.D. Aguilar-Peña, D. Eliche-Quesada, S. Bueno-Rodríguez, J.M. Romero-García, C. Rus-Casas</i>	
WHAT DO KINDERGARTEN EDUCATORS, PRIMARY SCHOOL TEACHERS AND PARENTS EXPECT OF ONE ANOTHER WITH REGARDS TO HELPING THE TRANSITION FROM KINDERGARTEN TO PRIMARY SCHOOL IN HUNGARY?	1745
<i>A. Fleisz-Gyurcsik</i>	
KNOWLEDGE AMONG PARENTS ON THE CHARACTERISTICS OF SCHOOL READINESS DURING THE TRANSITION PERIOD	1752
<i>A. Fleisz-Gyurcsik</i>	
CREATING A NAME AND MEANING TO POST-TRAUMATIC STRESS IN THE AFTERMATH OF THE COVID-19 PANDEMIC: HELPING BUSINESSES AND EDUCATION MOVE TOWARDS HEALING IN ADJUSTMENT MEASURES	1757
<i>B. Barrett</i>	
TEACHING STUDENTS TEAMWORK SKILLS	1758
<i>N. Wijenayake</i>	
BARRIERS AND BENEFITS IN INTERCULTURAL TEACHING OF CZECH AS A SECOND LANGUAGE	1759
<i>D. Vicherková</i>	
WHATSAPP, A TOOL FOR CO-CREATION, COMMUNICATION AND SOCIAL JUSTICE	1769
<i>P. Lane, R. Lafferty</i>	
INNOVATING THE SOFTWARE ENGINEERING CLASS THROUGH MULTI-TEAM DEVELOPMENT	1776
<i>A. Brockenbrough</i>	

COMBAT MODEL SITUATIONS AS A DIDACTIC TOOL IN A VIRTUAL ENVIRONMENT <i>M. Novák, D. Ullrich, J. Štříbrný</i>	1782
AUGMENTED GEOMETRY IN UNIVERSITY EDUCATION <i>M. Russo, A.M. Giugliano, G. Flenghi, L. Carnevali, M. Martone, A. Marrella, F. Sapio</i>	1787
IMPROVING PRE-MEDICAL/HEALTHCARE STUDENTS' CRITICAL THINKING/REASONING IN AN INNOVATIVE, INTERDISCIPLINARY, ACTIVE-LEARNING PHYSICS OF MEDICINE PROGRAM <i>N. Donaldson</i>	1797
ENGAGING THE WORLD <i>J. Mendolia</i>	1803
DEEPLY-DIGITAL LEARNING: ADDRESSING THE NEEDS OF THE IGEN AND ALPHA GENERATIONS <i>A. Tapp, E. Soloway, C. Norris</i>	1804
THE IMPACT OF GAME-BASED LEARNING PLATFORMS IN TEACHING UNDERGRADUATE ENGINEERING COURSES <i>S. Keivanpour</i>	1811
ACCESSIBILITY AND INCLUSION IN THE HYFLEX CLASSROOM – TOOLS, TECHNIQUES, AND LEARNINGS <i>J. La Greca, J. Hanham</i>	1818
MAKING LEARNING FUN <i>P. Lane</i>	1825
CREATIVITY-BASED TEACHING APPROACH TO SUSTAINABLE ENGINEERING AND DESIGN <i>S. Keivanpour</i>	1832
THE SOURCE OF CROSS-LINGUISTIC INFLUENCE IN THIRD LANGUAGE ACQUISITION: TEACHING ENGLISH AS A SECOND FOREIGN LANGUAGE <i>O. Maximova, D. Tauberidze</i>	1837
EXPLORING PRIMARY CAREGIVERS' PERCEPTIONS OF CHILDREN'S WELLBEING DURING COVID-19 WITHIN A LOW SOCIOECONOMIC STATUS SCHOOL CONTEXT IN THE CAPE METROPOLE <i>S. Mamutse, T.A. Adonis, N. Somhlaba</i>	1846
"ENVISIONING THE GOOD TEACHER": UNDERSTANDING THE TEACHER IMAGE OF STUDENT TEACHERS AT THE BEGINNING OF THEIR STUDIES <i>T. Fischer, J.L. Degen, A. Kleeberg-Niepage, M. Förster, A. Perzy</i>	1855
ICT FOR RESEARCH AND EDUCATION OF VISUALLY IMPAIRED PEOPLE <i>D. Karastoyanov</i>	1856
GENDER AND AGE GAP IN THE PRE-SERVICE SCIENCE TEACHERS' PERCEPTION OF DIGITAL COMPETENCE <i>J. Luque-Jiménez, C. García-Ruíz</i>	1864
NEW APPROACHES ON THE FOREIGN LANGUAGE TEST FOR UNIVERSITY ACCESS IN SPAIN <i>T. Magal-Royo, J. Garcia Laborda</i>	1870
NON-DIRECTIVE TEAM COACHING TO ENHANCE TEAM EFFECTIVENESS IN ENGINEERING MASTER STUDENTS <i>R. García Galán, I. Ortiz Marcos, R. Molina Sanchez</i>	1874
STUDYING OF THE START-UP PROCESS OF WOUND ROTOR INDUCTION MOTORS VIA VIRTUAL ENVIRONMENTS IN THE ENGINEERING EDUCATION <i>V. Raydovska</i>	1878
EDUCATION FOR RESILIENCE AND WELLBEING: CHILDREN'S FOLK SONGS AS A DIDACTIC POST-COVID RESOURCE <i>J. Albacete-Maza</i>	1888
PARADIGM SHIFT IN THE PERCEPTION OF LEARNING THROUGH THE USE OF THE SEMANTIC PRIMING TECHNIQUE <i>D. Puente Berdasco, T. Magal-Royo, E. Jiménez-Ibáñez</i>	1893
MODERN PSYCHOMETRICS FOR THE EVALUATION OF COMPETENCIES: AN APPLICATION TO THE PSYCHOMETRICS COURSE IN THE PSYCHOLOGY DEGREE <i>M. Sorrel, P. Najera, R. Kreichtmann, F. Abad, C. García, A. Martínez-Molina, S. Collado</i>	1900
STIMULATION OF GROSS MOTOR AND SOCIAL ABILITY IN EARLY CHILDREN THROUGH TRADITIONAL GAME MODIFICATION <i>S. Tatminingsih, A. Nelawati, M. Magta</i>	1901

THE ROLE OF A TEXTBOOK IN THE DEVELOPMENT OF CRITICAL AND CREATIVE THINKING <i>Z. Strakova</i>	1914
CHATBOT AS A NEW LECTURING TUTOR: CHALLENGES IN LECTURING AND IN CYBERSECURITY <i>J. Lourenço, J. Morais, M. Lousã, S. Sá</i>	1920
PEER ASSESSMENT: THE PERCEPTIONS OF HOSPITALITY AND TOURISM STUDENTS <i>S. Silva, C. Silva</i>	1927
THE USE OF ICT STRATEGIES IN TEACHING IN HIGHER EDUCATION: THE EXPECTATIONS OF HOSPITALITY, TOURISM, AND RESTAURANT STUDENTS <i>S. Silva, M.J. Couto, C. Silva</i>	1932
SUBJECTIVE ASSESSMENT OF COGNITIVE ABILITIES IN THE CONTEXT OF QUALITY OF LIFE IN INDIVIDUALS WITH CURED ONCOLOGICAL DISEASE FROM THE POINT OF VIEW OF SPECIAL PEDAGOGY <i>T. Harčariková, Z. Ivanová, K. Tkáčová, E. Zezulková, K. Janků</i>	1938
WOMEN IN STEM: HOW TO BRING THEM FROM ZERO TO HERO? <i>M. Valente</i>	1947
THEORETICAL AND CONCEPTUAL FRAMEWORKS AND MODELS: WHAT ARE THEY, WHEN, AND HOW TO APPLY THEM IN TEACHING RESEARCH METHODOLOGY TO MASTER AND PHD STUDENTS? <i>I. Ludviga</i>	1948
FISH FOR STUDY: AN EDUCATIONAL GAME TO PROVIDE MOTIVATION AND AVOID DISTRACTIONS FROM MOBILE DEVICES DURING LEARNING <i>H. Xu, G. Hopkins</i>	1954
CHILDREN'S LIBRARY INTERIOR DESIGNS AND READING HABITS <i>E.Y. Atalar, B.N. Aslan, D. Hasirci</i>	1964
FLIPPED CLASSROOM FOR TEACHING EGE SPEAKING <i>K. Bolshakova, M. Bolina, L. Naumenko, I. Orlova, E. Shmidt</i>	1975
ORGANIZING THE EDU CONFERENCE FOR FOREIGN LANGUAGE STUDENTS <i>L. Naumenko, M. Bolina, K. Bolshakova, I. Orlova, E. Shmidt</i>	1980
AN INTERNATIONAL LONGITUDINAL RESEARCH PROJECT INVESTIGATING THE PSYCHOLOGICAL DEVELOPMENT OF YOUNG ADULTS IN SOUTH AFRICA: MANAGING ATTRITION <i>M. Florence, T.A. Adonis, C. Botha, N. Mpisane, A. Thalmayer, L. Naudé</i>	1986
TEACHER-STUDENT MENTORING PROGRAM FOR CHEMISTRY COURSES IN THE BACHELOR'S DEGREE IN PHARMACY <i>S. Montalvo-Quirós, R. Perezzan, D. Herráez-Aguilar</i>	1993
FIRST MONTH AT LITHUANIAN SCHOOLS: UKRAINIAN CHILDREN REFUGEES LIVED EXPERIENCES <i>A. Batuchina, M. Ratkevičienė</i>	2001
TECHNICAL AND CREATIVE KNOWLEDGE, INTERDISCIPLINARY VISIONS AND CONNECTING SKILLS FOR SLOW FASHION INDUSTRY: SUSTAINABLE TEXTILE DYEING TECHNOLOGIES AND CAPSULE COLLECTION DESIGN <i>A. Violano, R. Liberti, S. Ottieri, M. Cannaviello</i>	2008
STEAM IN THE SECONDARY SCHOOL WITH NO BARRIERS FOR BLIND AND VISUALLY IMPAIRED PUPILS PROJECT <i>A. Herrero, S. Palmero, C. Reguera, S. Sanllorente, G. Casado, T. Osorio, C. Tinagea, R. Vidovic, A. Jakovchevska, M. Cvetinović</i>	2019
SELF-CONCEPT OF PRIMARY SCHOOL TEACHERS ACTIVE IN THE PREVENTION OF RISKY BEHAVIOUR (RESEARCH PERSPECTIVE) <i>R. Božik, M. Tordoň, A. Tirpáková, A. Wiegerová</i>	2029
THE INFLUENCE OF TECHNOLOGY-ENHANCED PROGRAMMING ENVIRONMENTS AND THE IMPACT OF TEACHER GUIDANCE AND INTERVENTIONS ON COMPUTATIONAL THINKING DEVELOPMENT <i>N. Fanchamps, M. Van Der Wijk</i>	2039
USING DESIGN THINKING TO TRANSFORM CLASSROOM PROJECTS <i>C. Weiss</i>	2050
LEARNING STYLES IN COMPUTER SCIENCE EDUCATION <i>R. Fojtik</i>	2060
ISSUES OF ASYNCHRONOUS DISTANCE LEARNING IN COMPUTER SCIENCE <i>R. Fojtik</i>	2066

REDUCING STUDENT ACHIEVEMENT GAPS: A CASE OF POLISH SCHOOLS IN LITHUANIA <i>J. Urbanovič, B. Stankiewicz, K. Sokolovskaja</i>	2074
INTERVENTION FOR RETENTION: DEVELOPING A SENSE OF BELONGING IN A COURSE COMMUNITY <i>R. Vancelee, M. Oldham</i>	2086
FORMATION OF THE ABILITY OF MEDICAL STUDENTS TO WORK IN TEAMS IN THE PROCESS OF TEACHING A FOREIGN LANGUAGE <i>N. Plotnikova, T. Usmanov, K. Wagner</i>	2087
TEACHING MAGNITUDES MEASUREMENTS AND PROCESSING OF RECEIVED RESULTS VIA VIRTUAL ENVIRONMENTS DURING THE COVID-19 PANDEMIC <i>V. Raydovska</i>	2093
THE APPLICATION OF ARTIFICIAL INTELLIGENCE TO ELABORATE REQUIREMENTS ELICITATION <i>N. Horn, R. Buchkremer</i>	2102
THE APPLICATION OF ARTIFICIAL INTELLIGENCE TO ELABORATE THE ROLE OF DIGITAL SIGNAGE IN PUBLIC AND HIGHER EDUCATION <i>J. Schmank, R. Buchkremer</i>	2110
DIFFICULTIES AND FACILITIES IN LOCATING OPEN EDUCATIONAL RESOURCES <i>M.V. Germano de Abreu Pereira, O. Luiz de Oliveira</i>	2116
DIGITAL JOB ONBOARDING - A EUROPEAN JOINT EDUCATION PROJECT ENHANCES EMPLOYABILITY AND DIGITAL JOB ONBOARDING OF YOUNG JOB-SEEKING EUROPEANS <i>R. Anckar, I. Mäkäriäinen-Suni, A. Ruohonen</i>	2122
COMMUNITY NURSING 360° VISI SCENARIO – A PRAGMATIC PEDAGOGY FOR REAL LIFE LEARNING <i>K. Whittingham, H. Wharrad, M. Taylor</i>	2131
AFRICA'S BUSINESS EDUCATION CURRICULUM AND THE KNOWLEDGE ECONOMY <i>A. Ibidunni, L. Mdaka, O. Oyewo</i>	2135
STIMULATING UNIVERSITY STUDENTS' MOTIVATION TO START A BUSINESS: THE ENTREPRENEURIAL INTENTION MODEL IN PERSPECTIVE <i>L. Mdaka, A. Ibidunni, O. Oyewo</i>	2141
INNOVATION SKILLS, COMPETENCE EVALUATION, AND SELF-DIRECTED LEARNING: THE CASE OF INNOCORE, A BIOTECH INTERNATIONAL PILOT CHALLENGE <i>A. Scroccaro, M. Bigatto</i>	2148
1 OF 4: A POST COVID-19 CHANGE IN TEACHER COLLEGE TIMETABLE <i>L. Biberman-Shalev, O. Broza, N. Chamo, S. Govrin, K. Ettinger</i>	2157
INTRODUCTION OF ELECTRONIC LEARNING IN THE EDUCATIONAL MODULE "ICT-BASED NEUROREHABILITATION OF NEURO-COVID" (WITH CLINICAL CASES) <i>R. Yoshinov, B. Yoshinov, I.B. Koleva</i>	2158
AN ONTOLOGICAL MODEL OF NON-FORMAL LEARNING SITUATIONS HIGHLIGHTED THROUGH SOCIAL MEDIA: FOR GENERATING DESCRIPTIVE SCENARIOS <i>A. Wague, M. Bousso, L. Capus</i>	2166
TRANSFORMING DOCTORS INTO TEACHERS – A PROGRAMME THAT INTRODUCED NEWLY QUALIFIED DOCTORS TO MEDICAL EDUCATION THROUGH A TEACHER-TRAINING WORKSHOP AND NEAR-TO-PEER TUTOR SCHEME <i>H. Knifton, S. Satheesan</i>	2174
INTRODUCTION OF ELECTRONIC LEARNING IN THE EDUCATIONAL MODULE "PERFORMED PHYSICAL MODALITIES" <i>I.B. Koleva, B. Yoshinov, R. Yoshinov</i>	2175
FROM FACE-TO-FACE SERVICE-LEARNING TO REMOTE LEARNING: AN EXPERIENCE IN OPTOMETRY <i>C. Vázquez-Sánchez, L.M. Gigirey</i>	2182
PROJECT-BASED LEARNING AS AN OPTIMAL LEARNING METHOD IN MARINE SCIENCES <i>A.M. Blázquez, C. Padrón, E. Badimón, E. Lozano</i>	2189
DIGITAL LEARNING IN THE DEGREE IN PHARMACY <i>I. Posadas, M.D. Pérez-Carrión</i>	2198

LEARNING-TEACHING MODELS IN THE DEGREE IN PHARMACY <i>M.D. Pérez-Carrión, I. Posadas</i>	2199
IEEE STANDARDS: EDUCATIONAL PROGRAMS IN COVID-TIMES <i>E. Vega Janica</i>	2200
DEBATE IN ITALIAN SCHOOLS: STATE OF THE ART OF A (STILL) INNOVATIVE TEACHING METHODOLOGY <i>R. Camarda</i>	2201
USING STORYTELLING FOR ATTRACTING ATTENTION: EXAMPLES IN OPERATIONAL RESEARCH <i>A. Rodríguez</i>	2206
THE IMPACT OF OUTDOOR EDUCATION IN TEACHING-LEARNING PRACTICES: A STUDY OF ITALIAN SCHOOLS <i>C. Giunti, P. Lotti, L. Orlandini, S. Panzavolta</i>	2212
POSTOPERATIVE NURSING CARE IN RECOVERY ROOM USING 360° VIDEO LEARNING GAME AND USERS EXPERIENCES <i>T. Nurmela, T. Leinonen, T. Franck, J. Saarinen, N. Laiouori, J. Aho</i>	2219
REFORMULATING PRACTICAL LESSONS WITH FLIPPED-ORIENTED MEDIA CONTENT IN UNDERGRADUATE ELECTRONIC COURSES <i>D. Valiente, F. Rodríguez-Mas, A. Ruiz, A. Peidro, A. Hortal, J.C. Ferrer, J.L. Alonso, S. Fernández de Ávila</i>	2223
DESIGN OF A SCORING RUBRIC FOR THE ASSESSMENT OF CLINICAL COMPETENCIES IN THE SUBJECT OF OPTOMETRY IV OF THE DEGREE OF OPTICS AND OPTOMETRY-USC <i>C. Vázquez-Sánchez, L.M. Gigirey</i>	2224
THE INFLUENCE OF A CREDIT BEARING READINESS ACTIVITY ON STUDENT PREPAREDNESS FOR LEARNING THROUGH A SELF-REGULATED STUDY PROCESS <i>R. Branch, H. Lee, A. Morris</i>	2231
AN EVALUATION OF PRE-PLACEMENT PREPARATION ACTIVITIES PRIOR TO UNDERTAKING INDUSTRY PLACEMENT <i>A. Cotter, A. Hackett</i>	2232
FULFILLING OUR MORAL OBLIGATIONS WHILE TEACHING WITH TECHNOLOGY <i>R. Branch, H. Lee, A. Morris</i>	2237
EXPLORING THE EFFECTS OF DIFFERENT FEEDBACK TYPES ON 5TH GRADE STUDENTS' SCIENCE CONCEPTS IN A GAME-BASED LEARNING ENVIRONMENT <i>S.P. Ho, T.H. Peng, T.H. Wang</i>	2238
PROMOTING FEMALE STEM VOCATIONS WITHIN THE SDG FRAMEWORK <i>E. Calvo Iglesias, E. Aguayo Lorenzo</i>	2245
FROM CRISIS TO OPPORTUNITY: HOW THE PANDEMIC INSPIRED THE PROMOTION OF AFFECTIVE LEARNING ONLINE <i>P. Griswold, T. Hammar</i>	2249
WOMEN IN EDUCATION TEACHING IN HUNGARIAN IN PRIMARY SCHOOLS <i>S. Jánosiová</i>	2256
LEARNING DURING THE PANDEMIC: A PROPOSAL TO STUDY STEREOCHEMISTRY <i>A. Grunewald Nichele, F. Nunes da Silva</i>	2262
PROBLEMATIC ADOPTION OF DIGITAL RESOURCES BY TEACHERS IN A MOROCCAN UNIVERSITY <i>A. Boujdad Mkaem, N. Benaissa</i>	2269
WIDENING STUDENT ACCESS TO IMPLICIT ASSESSMENT CRITERIA USING RECORDED VERBAL INSTRUCTIONS <i>D. Taylor</i>	2276
TOWARDS A GENERIC SHELL FOR A KNOWLEDGE TRACING AND CONTENT SEQUENCING TUTORING <i>A. Ébalé Nnemeté, L. Capus</i>	2281
ENGAGEMENT, CULTURE, AND THE FUTURE FOR K-5 ONLINE LEARNING <i>V. Hilbert, K. Green, K. Torres</i>	2290
A CALL-TO-ACTION TO PROMOTE DIVERSITY AND SOCIAL JUSTICE IN DIGITAL TECHNOLOGIES <i>C. Fort, S. Haniya</i>	2300
DESIGN THINKING IN COLLABORATIVE PROJECT-BASED LEARNING <i>K. Fujii, E. Inoguchi</i>	2307

UNIVERSITIES IN INNOVATION ECOSYSTEMS - HIGHER EDUCATION PROVIDES KNOWLEDGE FOR INDIVIDUALS, WORKING LIFE AND SOCIETY	2314
<i>S. Luojus, S. Kauppinen</i>	
SOMETICS SOFTWARE: ASSESMENT OF ITS DESIGN, APPLICATION AND PROCESSING	2326
<i>Y. Martínez Hierrezuelo, M.M. Bernabé Villodre, V. Martínez Bello</i>	
A MULTIDIMENSIONAL ANALYSIS OF EDUCATIONAL EQUITY IN POST-SOCIALIST AND OLD-DEMOCRACY EU MEMBER STATES	2334
<i>D. Stumbrienė, R. Želvys</i>	
EXPERIMENTAL LEARNING SPACES IN TEACHING SEISMIC SAFETY DESIGN	2335
<i>E.K. Kokosy, A.E. Voinea</i>	
IMMEDIATE IN-CLASS FEEDBACK: A FOLLOW UP STUDY OF THE EFFECTIVENESS OF USING A CUSTOM BUILT SOFTWARE APPLICATION TO GENERATE IMMEDIATE FEEDBACK FOR FIRST YEAR UNDERGRADUATE STUDENTS STUDYING A PRACTICAL SKILLS-BASED MODULE	2340
<i>P. Doyle</i>	
STORIES FROM PRE-SERVICE TEACHERS' DIGITAL LEARNING SPACE: WHAT KIND OF LEARNING SPACES DO OUR STUDENTS ASK FOR? AND WHO DO THEY NEED IN THERE?	2345
<i>A.G. Nilsen, A.G. Almås</i>	
EXPLORING STUDENTS' GENDER SENSITIVITY IN HEALTH SCIENCE	2346
<i>M.T. Bartual-Figueras, J. Turmo-Garuz, M. Cabré-Pairet, A. Coco-Prieto, S. Gines-Adrós, M. López-Bartual, D. Rodríguez-Martín, L. Romero-Gutiérrez</i>	
TUTORING PROGRAM FOR FIRST-YEAR UNIVERSITY STUDENTS: AN ESSENTIAL APPROACH TO REDUCE DROPOUT RATES	2351
<i>E. Marguí, M.L. Escoda, M. Heras, M. Iglesias, M.D. Verdaguer, D. Pavón, M. Vergés</i>	
SELF-ORGANIZED LEARNING ENVIRONMENT FOR TEACHERS' PROFESSIONAL DEVELOPMENT IN CRITICAL DIGITAL LITERACIES	2361
<i>T. Romeu Fontanillas, M. Romero Carbonell, D. Español Fernández</i>	
SOMETHING IS DIFFERENT IN THE VIRTUAL CLASSROOM – EXPERIENCES FROM EDUCATING UNIVERSITY STAFF ABOUT GENDER AND GENDER EQUALITY DURING THE PANDEMIC	2367
<i>M. Wannberg, L. Borglund</i>	
GENERAL SELF-EFFICACY AND TRANSFORMATIONAL LEADERSHIP IN SLOVAK EDUCATION	2368
<i>L. Paskova</i>	
JOB SATISFACTION AND PERFORMANCE MOTIVATION IN THE CONTEXT OF TRANSFORMATIVE LEADERSHIP OF SLOVAK TEACHERS	2373
<i>L. Paskova</i>	
GENDER SENSITIVE CONTENT IN MACHINE LEARNING SUBJECTS	2382
<i>B. Pérez-Sánchez, N. Sánchez-Marroño</i>	
A META-ETHNOGRAPHY EXPLORING CHALLENGES IN MOTIVATING STUDENTS TO PURSUE STEM CAREERS: A UAE PERSPECTIVE	2391
<i>I. Alzaabi</i>	
AREAS OF MENTOR COMPETENCE FROM THE VIEW OF MENTEES	2398
<i>S. Klimszová, M. Trnová, G. Entlová, E. Malá, I. Šimonová</i>	
LANGUAGES AND TRANSLATION IN THE CONTEXT OF INTERCULTURAL COMMUNICATION	2405
<i>M. Pace</i>	
EFFECTS OF MOSCOW CITY SCHOOLS CONSOLIDATION REFORM	2409
<i>K. Adamovich, A. Kotlíková</i>	
STUDENTS' APPROACH TO LEARNING IN A MASTER LEVEL SUBJECT IN TWO DIFFERENT YEARS	2410
<i>M. Leiva-Brondo</i>	
REGIONAL DIFFERENCES IN THE EDUCATIONAL OUTCOMES OF RUSSIAN STUDENTS IN PISA 2018: A SOCIOESPATIAL APPROACH	2416
<i>K. Adamovich</i>	
IMPLEMENTING ENGLISH AS A LEARNING LANGUAGE AT THE MASTER OF ANALYTICAL TECHNIQUES IN THE CLINICAL LABORATORY: THE CASE OF MASTER'S DISSERTATION	2417
<i>J. Peris-Vicente, M.J. Ruiz-Angel, S. Carda-Broch</i>	

INFLUENCE OF EFFECTIVE ONLINE TEACHING ON STUDENT RESULTS AT TECHNICAL UNIVERSITY <i>M. Misutova, M. Misut</i>	2422
PBL AND THE IMPACT OF STUDENTS' PERCEPTION OF SUCCESS IN THE UNITED ARAB EMIRATES <i>R. Albers</i>	2430
COMPARISON OF THE ARTISTIC EXPRESSION OF ROMA PUPILS IN INCLUSIVE AND SEGREGATED ENVIRONMENTS <i>L. Horňák, M. Zbojan</i>	2431
IMPLEMENTATION OF NEW MEASURES TO IMPROVE THE STUDENTS' ACADEMIC PERFORMANCE IN THE ADVANCED CHEMISTRY SUBJECT (CHEMISTRY ENGINEERING DEGREE) <i>S. Carda-Broch, J. Peris-Vicente, M.J. Ruiz-Ángel, R. Castillo-Solsona, A. Larek</i>	2437
BICHRONOUS ONLINE LEARNING IN IN-SERVICE TEACHER TRAINING: COMMUNITY DEVELOPMENT IN PRESCHOOL AND GENERAL EDUCATION <i>E. Horváth, Á. Szekeres, E. Herbainé Szekeres</i>	2443
CARMA: EXPLOITING AUGMENTED REALITY TO ASSIST CAMPUS EXPLORATION <i>C. Papoulias, E. Papaioannou, C. Kaklamanis</i>	2444
PROMOTING INTERNATIONALIZATION AT HOME: THE USE OF CONVERSIFI, A VIDEO CHAT PLATFORM, IN A DEGREE OF PRIMARY EDUCATION <i>B. Labrador, C. Gómez Castro</i>	2454
IMPROVE KEY COMPETENCES IN THE USE OF INFORMATION TECHNOLOGY <i>V. Radev, T. Vazova</i>	2463
TOWARDS A FRAMEWORK FOR WORK INTEGRATED EDUCATION <i>M. Andersson, S. Tidlund</i>	2471
STUDENTS' VISUAL PREFERENCES AND IMAGERY USE WHEN SOLVING TASKS INVOLVING FUNCTIONS <i>R. Tomás Ferreira, I. Shtyka</i>	2481
ANALYSIS OF ENGINEERING STUDENT ATTITUDE AND PERCEPTION DURING THE IMPLEMENTATION OF GAMIFICATION <i>A. Galán-Martín, M.D. La Rubia, J.M. Romero-García, L. Pérez-Villarejo, D. Eliche-Quesada, I. Romero-Pulido, S. Martínez-Martínez, S. Bueno-Rodríguez</i>	2491
CREATIVE EDUCATIONAL PARADIGM IN A MULTICULTURAL SOCIETY <i>S. Kagan, A.V. Kharkhurin</i>	2498
A SYSTEMATIC LITERATURE MAPPING OF ACTIVE LEARNING STEAM EDUCATION FOR STUDENTS WITH AUTISM <i>H. Hasti, D. Amo-Filva, D. Fonseca</i>	2499
EXECUTIVE FUNCTIONS AND SELF-REGULATED LEARNING PROFILES IN HIGHER EDUCATION STUDENTS AND THEIR RELATIONSHIP WITH STUDY SUCCESS <i>D.M. Manuhwa, M. Snel-de Boer, J. Fleer, J.W. De Graaf</i>	2507
MATHEMATICAL LEARNING BEFORE AND AFTER COVID-19: PRACTICES AND CONSEQUENCES <i>R. Vegliante, A. Marzano, S. Miranda, C. Montefusco</i>	2517
TEACHING COMPUTER SCIENCE IN KAZAKHSTAN PRIMARY SCHOOLS: CURRENT STATE, PROBLEMS AND PERSPECTIVES <i>A. Katyetova</i>	2524
DISTANCE LEARNING IN HIGHER EDUCATION DURING EMERGENCY REMOTE TEACHING: AN ANALYSIS OF TEACHING PRACTICES <i>R. Vegliante, A. Marzano, S. Miranda, M. Santonicola</i>	2532
STUDENTS' ACADEMIC PERFORMANCES PRE-COVID AND DURING LOCKDOWN: A REFLECTIVE COMPARISON ON THE EFFECTIVENESS OF ONLINE TEACHING VERSUS FACE-TO-FACE TEACHING FOR A LARGE FIRST-YEAR CHEMISTRY GROUP AT THE NORTH-WEST UNIVERSITY IN SOUTH AFRICA <i>C.E. Read</i>	2539
ENGAGING GEN Z: BLENDED LEARNING(S) FROM THE PANDEMIC <i>B. Kolen</i>	2547
ONLINE REMOTE EXAMS IN HIGHER EDUCATION: DISTANCE LEARNING STUDENTS' VIEWS <i>M. Aristeidou, S. Cross, K.D. Rossade, C. Wood</i>	2556
TEACHING THROUGH THE PANDEMIC: EVALUATING STUDENTS' EXPERIENCE IN AN ONLINE INTRODUCTORY GEOLOGY COURSE <i>B. Chiu, C. Yestrebsky, N. Lapeyrouse</i>	2564

EVALUATING THE USABILITY AND LEARNING POTENTIAL OF A VIRTUAL MUSEUM TOUR APPLICATION FOR SCHOOLS	2572
<i>M. Aristeidou, T. Orphanoudakis, T. Kouvara, C. Karachristos, N. Spyropoulou</i>	
IF THERE IS WILL THERE IS A WAY: ENHANCING HE TEACHERS' SELF-EFFICACY IN INTEGRATING DIGITAL TECHNOLOGIES INTO TEACHING	2579
<i>T. Marstio</i>	
LOW-COST HARDWARE PLATFORM IMPLEMENTATION FOR SYSTEM IDENTIFICATION AND EMULATION OF A REAL-LEVEL CONTROL PLANT	2585
<i>D. Méndez-Busto, F. Zayas-Gato, A. Michelena, M. Timiraos Díaz, E. Jove, J.L. Casteleiro-Roca, H. Quintián, J.L. Calvo-Rolle</i>	
VIRTUAL REALITY FLIGHT SIMULATION FOR PILOT TRAINING: STUDYING AROUSAL LEVELS DURING AN EMERGENCY LANDING	2594
<i>I. Guerrero, T. Vallès-Català</i>	
SHARING STRENGTHS TO IMPROVE INTERNATIONAL COLLABORATIVE LEARNING AND TEACHING PROCESSES IN HIGHER EDUCATION: THE NEXTGENG PROJECT	2600
<i>S. Satorres-Martínez, J.I. Jiménez-González, R. Dorado-Vicente, E. Muñoz-Cerón, A. Kakko, C. Lapusan</i>	
TEACHING POPULAR SCIENCE WRITING AS A MEANS OF POSTGRADUATE STUDENTS' COMMUNICATION DEVELOPMENT	2606
<i>E. Sokolova, A. Zabolotskikh</i>	
GETTING TO KNOW THE CITY THROUGH THE DIDACTICS OF TRANSLATION: A TEACHING PROPOSAL IN GRANADA (SPAIN)	2612
<i>J. Gutiérrez-Artacho</i>	
CREATING ALTERNATIVE DIGITAL REPOSITORIES IN HUMANITIES: DIGITIZATION OF THE ARCHIVAL COLLECTION OF THE MUSEUM OF EDUCATION OF THE UNIVERSITY OF CRETE	2619
<i>A. Hourdakis, J. Ieronimakis, M. Souka, M. Kounalakis</i>	
AUDIOVISUAL PILLS AS A MICROLEARNING TOOL IN TRANSLATION AND INTERPRETING TRAINING	2628
<i>J. Gutiérrez-Artacho, M.D. Olvera-Lobo</i>	
LEARNING THE KINEMATICS OF A ROBOT WITH NON-SPHERICAL WRIST WITH MATLAB	2635
<i>A. Peidro, M. Fabregat-Jaen, P. Molla-Santamaria, R. Puerto, D. Ubeda, D. Valiente</i>	
GAD PROJECT: GAME CREATION IN AUGMENTED REALITY (AR) ENHANCING PROFESSIONAL DIGITAL SKILLS – AN OPPORTUNITY TO SUPPORT TEACHING IN TECHNICAL DISCIPLINES	2645
<i>J.D. Badia, A. Cháfer, O. Gil-Castell, L. Pastor, M. Izquierdo, M.D. Hernández-Pérez, J.B. Giménez, J. Carrillo-Abad, A. Giannakopoulou, A. Giannakopoulou, A. Scotti Belli, P. Maciariello, G. Maciariello, A. Di Pierro, M. Capasso, B. Ferroletto</i>	
PARASITIC ARTHROPODS: A COMMON FEATURE OF HUMANS, OTHER ANIMALS AND PLANTS	2651
<i>G. Masiero, M. Bellio, S. Schumann, E. Piva, S. Pacchini, P. Irato, S. Bramuzzo, G. Santovito</i>	
A CORPUS-BASED INVESTIGATION OF L2 ENGLISH SPEAKERS' WRITTEN LANGUAGE TO ENHANCE COMPREHENSION OF LINGUISTIC PATTERNS IN ENGLISH FOR SPECIFIC PURPOSES	2660
<i>M. Duruttya</i>	
FRUITFLY TO INTRODUCE THE MENDELIAN GENETICS IN PRIMARY SCHOOL	2668
<i>E. Rossi, M. Bellio, E. Piva, S. Schumann, S. Pacchini, P. Irato, G. Santovito</i>	
SUSTAGRI4.0: NEEDS ANALYSIS OF TRAINING IN SUSTAINABILITY, DIGITALISATION AND ENTREPRENEURSHIP IN THE AGRI-FOOD SECTOR AT VET LEVEL	2677
<i>O. Gil-Castell, A. Cháfer, M. Öztürk, M.G. Pirina, N. Levikov, J.D. Badia</i>	
PROMOTING LEARNING INTERDISCIPLINARITY AND EFFECTIVENESS TROUGH PROJECT-BASED LEARNING: THE CASE OF THE A+ PROJECT	2686
<i>D. Pereira, M. Torres Pinto, E. Alves</i>	
COLLABORATIVE AND COOPERATIVE LITERATURE REVIEW IN MULTIMODAL AND MULTIGENRE LEARNING SCENARIOS	2692
<i>S. Araújo, M. Aguiar</i>	
STUDIES IN A DISTANCE – PRACTICAL BACKGROUND FOR PARADIGM SHIFT IN HIGHER EDUCATION	2701
<i>R. Pocevicene</i>	

MULTIMODAL SCIENCE COMMUNICATION ACROSS DISCIPLINES IN VIRTUAL COLLABORATION	2709
<i>S. Araujo, I. Mina, M. Aguiar</i>	
DSERRA: PILOT SURVEY ON THE INTRODUCTION OF A NEW DEVICE TO IMPROVE LABORATORY TEACHING, IN A PRIMARY AND SECONDARY SCHOOL	2715
<i>L. Guasti, L. Bassani, M. Sacco, M. Chiarantini, L. Messini</i>	
USE OF A MULTIMODAL AND INTERACTIVE PRACTICE E-BOOK IN THE BASIC PSYCHOLOGY COURSE "CONDITIONING, MOTIVATION AND EMOTION"	2725
<i>R. Rodríguez-Herrera, M. Olmedo-Córdoba, J. García-Pinteño, P. Fernández-Martín, J.J. León, A. Sánchez-Kuhn, M. Moreno Montoya, P. Flores</i>	
INTEGRATION OF A VIRTUAL REALITY PLATFORM INTO UNDERGRADUATE ENGINEERING EDUCATION IN IRELAND	2735
<i>P. Kelly, J. Moolman, C. Geary, J. Walsh, F. Boyle</i>	
TO USE PRESENTATIONS OR NOT TO USE PRESENTATIONS (IN UNDERGRADUATE ENGINEERING STUDIES), THAT IS THE QUESTION	2742
<i>E. Gur</i>	
A CROSS-SECTIONAL STUDY ON THE PREVALENCE OF IMPOSTOR PHENOMENON IN ENGINEERING STUDENTS	2747
<i>S. Manoharan, S. Choudhuri, O. Oye-Bamgbose, P. Plotkowski</i>	
FIDELITY OF THE HEALTH-PREVENTIVE INTERVENTION PROGRAM FOR SUBSTANCE ABUSE AMONG ROMANY PUPILS WITH A MILD INTELLECTUAL DISABILITY	2757
<i>P. Mirdalíkova, J. Liba</i>	
PROMOTING TRANSPARENT ASSESSMENT IN HIGHER EDUCATION – PRELIMINARY INSIGHTS FROM THE DIGI-PROF PROJECT	2767
<i>S. Vasconcelos, A. Balula</i>	
INTERCULTURAL COMMUNICATION THROUGH VIDEOCONFERENCING: PRE- AND POST-PANDEMIC	2773
<i>M. Cassamally, P. Příbramská</i>	
A REVIEW OF CULTIVATING STUDENTS' DESIGN COGNITION IN STEM EDUCATION	2774
<i>D. Zhang, M. Siu-Yung Jong, C.S. Chai</i>	
STUDENTS' ASPECTS OF MANDATORY PRACTICAL TRAINING: HOW NECESSARY IS KNOWLEDGE RELATED TO DIGITAL TRANSFORMATION FOR COMPANIES?	2778
<i>Ž. Kotnik</i>	
"YOU DON'T KNOW WHETHER IT'S ALL TRUE": USING A CRITICAL LITERACY PERSPECTIVE TO DEVELOP A TAXONOMY OF UK SCHOOL STUDENTS' JUDGMENTS WHEN SEARCHING THE INTERNET	2787
<i>C. Harrison, C. Patterson</i>	
TEACHING ONLINE: DIGITAL INITIATIVES IN DIGITAL EDUCATION AND MOBILE LEARNING	2794
<i>A. Bengs, C. MacDonald, M. Cassar, A. Yeratziotis, G. Geratziotis, M. Prosen, J. Cilia, A. Granberg, G.A. Papadopoulos, S. Ličen</i>	
MOTIVATIONAL BELIEFS SYSTEM, ENGAGEMENT IN LEARNING AND ADJUSTMENT TO SCHOOL: TESTING FOR MEDIATION USING PATH ANALYSIS	2805
<i>V. Mih, C. Mih</i>	
EDUCATION OF RADIOLOGICAL ASSISTANTS FOCUSING ON SELECTED ETHICAL ASPECTS OF MULTICULTURAL SOCIETY	2815
<i>Z. Freitinger-Skalicka, S. Kavan, L. Michalcová, S. Strnad</i>	
FROM FACE-TO-FACE TO ONLINE LEARNING: DESIGNING A PEDAGOGICAL MODEL FOR AN HIGHER EDUCATION CONTEXT	2821
<i>A. Loureiro, I. Messias, D. Rocha, N. Ricardo Oliveira</i>	
USE OF VIRTUAL REALITY FOR TEACHING RADIATION PROPAGATION	2831
<i>I. Siloa, V. Brengartner, M. Cavalcante</i>	
EFFECTIVENESS OF NOVEL APPROACHES TO OPHTHALMOLOGY EDUCATION IN MEDICAL SCHOOLS: A SYSTEMATIC REVIEW AND META-ANALYSIS	2841
<i>D. Kalas, W. Choy, S. Spencer, A. Agar</i>	
USING A FOCUS GROUP RESEARCH DESIGN TO IDENTIFY ESSENTIAL NURSE PRECEPTOR CHARACTERISTICS	2850
<i>T. Hoot</i>	

CONCEPTUALIZATION OF PEDAGOGICAL ENTREPRENEURSHIP: THEORY AND RESULTS OF QUALITATIVE RESEARCH <i>A. Slišāne</i>	2856
THE EFFECTIVENESS OF PROBLEM-BASED LEARNING IN DEVELOPING AND PROMOTING CREATIVE INTELLIGENCE: A COGNITIVE PERSPECTIVE <i>M. Mapuya</i>	2865
WHAT KIND OF MATHEMATICS SHOULD 'ENGINEERING MATHEMATICS' BE? MATHEMATICIANS' POINT OF VIEW <i>L. Serafino, S. Damrah</i>	2876
DESIGNING SPATIAL DATA MANAGEMENT COURSE BASED ON SPATIAL DATA INFRASTRUCTURE FOR NON-ICT BACKGROUND STUDENTS <i>J. Holms, G. Vitols</i>	2881
PRINCIPLES OF THE DESIGN AND IMPLEMENTATION OF LEARNING AND TEACHING SPACES IN HIGHER EDUCATION: LESSONS LEARNT FROM THE LTSHE PROJECT BASED ON CASE STUDIES FROM SEVEN EUROPEAN COUNTRIES <i>T. Leiber</i>	2888
PE(E)RFFECTLY SKILLED: IMPRESSIONS OF AND EXPERIENCES WITH AN ONLINE METHOD FOR (INTER)ACTIVE AND PRACTICE-BASED SKILLS TRAINING IN HIGHER (DISTANCE) EDUCATION <i>E. Rusman, R. Nadolski</i>	2897
DEVELOPMENT OF A LEARNING MANAGEMENT SYSTEM TO ENHANCE RETRIEVAL PRACTICE IN SELF-PACED JAPANESE LANGUAGE LEARNING <i>A. Kai, T. Wada, J. Nemoto, R. Matsuba, Y. Goda, M. Miyazaki, K. Suzuki</i>	2898
CULTURAL COMPETENCES OF SCHOOL SOCIAL WORKERS: PERCEPTIONS OF CULTURALLY SENSITIVE SOCIAL WORK IN THE CONSTRUCTION OF INCLUSIVE EDUCATION <i>M.S. Almeida</i>	2908
GUIDED PROBLEM SOLVING TEACHING IN ENGINEERING. APPLICATION ANALYSIS IN THERMOTECNIS SUBJECT <i>N. Romero-Anton, K. Martin-Eskudero, Z. Azkorra-Larrinaga, I. Flores-Abascal, I. Gómez-Arriaran</i>	2919
CARTO+: USING CITYPROBE IN EDUCATION TO EXAMINE CORRELATIONS BETWEEN WBGT AND THERMAL COMFORT ALONG THE WESTERN COAST OF TAIWAN <i>C.H. Wang, P. Lu</i>	2926
AN INSTRUCTIONAL MODEL OF CONTEXT-BASED LEARNING TO DEVELOP ENGLISH-MAJOR STUDENTS' DIGITAL MEDIA LITERACY SKILLS <i>C. Kaoropthai, S. Prapinpongsakorn, S. Kaeophanuek, R. Rattanawongsa</i>	2934
OUTDOOR LEARNING ACTIVITIES IN THE FIELD OF SCIENCE IN PRIMARY EDUCATION <i>J. Dzerviniks</i>	2940
COMPLETING THE CIRCLE: SHARING EXPERIENCES AND EXPERTISE IN THE CO-CREATION OF 360 DEGREE RESOURCES FOR SIMULATION TRAINING (360 VISI PROJECT) <i>A. Lokken, H. Wharrad, T. Nurmela, G. Sancha, E. Navarro-Illana</i>	2950
TECHNICAL-HAPTIC-SHELL PROJECT: DESIGN, CONSTRUCTION AND TEST OF A HOTAS-DLP MECHATRONIC DEVICE FOR PILOTS WITH REDUCED MOBILITY <i>E. Saavedra Orellana, V. Ramos Lopez, T. Vallès-Català</i>	2951
FORMAL, NON-FORMAL AND INFORMAL EDUCATION IN BECOMING A TRANSLATOR IN PORTUGAL AND THE ROLE OF TECHNOLOGY <i>I. Silvoa, C. Quintas</i>	2960
ACTION RESEARCH AND REFLEXIVE METHODOLOGIES FOR ONLINE EVENT PROCESSING <i>S. Dugal, O. Demoura, E. Sanford, E. Catalan, E. Costa, C. Masiello, J. Puccetti, A. Kozaritz, H. Runci, A. Lee, B. Ellis, T. Kelly, S. Sampson, K. Slawinski, F. Torres, S. Singh, M. Troiano, R. Singh, E. Eaton-Ayres, A. Hogan, L. Abelson, S. Murray, C. Lamountain, C. Rodríguez, H. Marney, S. Melia</i>	2967
PEACE GAMES: GAMES AS PROMOTERS OF DEMOCRATIC CULTURE AND PEACE RELATED COMPETENCES <i>M. Pivec, U. Lagger, A. Kronberger</i>	2969
ANALYSIS OF BRAIN WAVES IN LEARNING: A 360° VIDEO CASE FOR CLINICAL SIMULATION IN HEALTH SCIENCES <i>D. Fernandez-Garcia, E. Navarro-Illana, C. Ferrer-Albero, O. Forero-Rincón, L. Estivalis-Torrent, D. Sancho-Cantus, F.J. Sancho-Pelluz</i>	2977

PREPARATION OF SCENARIO FOR DECISION-MAKING BY INTERVENTION COMMANDER IN PROCESS OF HIGHER EDUCATION	2978
<i>J. Soetlík, M. Konárik</i>	
LEARNER-CENTRED APPROACHES TO LANGUAGE ASSESSMENT	2982
<i>J. Bérešová</i>	
STUDENT TEACHERS' SELF-ASSESSMENT	2986
<i>J. Bérešová</i>	
BUT WORSE: REMAKING FAMOUS GAMES ON A BUDGET AS A GAME DEVELOPMENT COURSE	2991
<i>I. Nikolov</i>	
CURRENT TRENDS OF PROFESSIONAL EDUCATION IN THE FIELD OF LEADERSHIP FOR SLOVAK ARMED FORCES	2998
<i>I. Majchút, L. Belan</i>	
TEACH LOVE ONLINE: EVALUATION OF A DIGITAL PSYCHOLOGICAL SEX-, LOVE- AND RELATIONSHIP FURTHER EDUCATION FOR TEACHERS AND STUDENT TEACHERS	3004
<i>J.L. Degen, T. Fischer, A.J. Jaszczuk</i>	
ACTIVE LEARNING IN INTERACTIVE SYSTEM DESIGN COURSES	3013
<i>G.M.N. Isabwé, J.M. Madshaven, H. Sundbø</i>	
TRAINING FOR INNOVATION DRIVEN RESEARCH: THE SENIOR INNOVATION LAB APPROACH	3022
<i>S. Feijóo-Quintas, N. Gerbaudo-González, C. Dosil-Díaz, M. Gandoy-Crego, D. Facal</i>	
SUPPORTING SCHOLARSHIP IN STEM: DEVELOPING AND SUPPORTING AN ENGAGED, DYNAMIC COMMUNITY OF SCHOLARS	3028
<i>S. Pawley, M. Jones, D. Ford</i>	
HOW TO TRANSFORM THREE ON-SITE UNIVERSITIES INTO A DISTANCE LEARNING UNIVERSITY? THE EXPERIENCE OF CEU UNIVERSITIES	3029
<i>A. Magnet, L. Amado, G.M. Antón, A. Arnau, R. Arriazu, C.I. Baeza, S. Barquero, M.J. Baselga, V. Berlanga, E. Blasco, F. Bonete, A.J. Castañón, M.I. Castilla, J.M. Corpa, I. Correas, G. de la Calle, A. Diaz, P. Elhazaz, A.M. Enrique, L. Estevez, J.C. Frias, P. Gallego, R. García Carmona, E. García Roselló, R. García Vilardell, L. Hilario, C. Isabel Dopacio, J.F. Jiménez Jacinto, B. Jiménez Reguera, J.V. Jordá, A. López Álvarez, A.I. Mateos, J.L. Mateu, J.M. Mira de Orduña, S. Molina, E. Mozas, R. Palomo, F. Pardo, M.F. Rey-Stolle, I. Roa, J.A. Robles, F.J. Ruperez, I.A. Salazar, M. Sánchez Martínez, J.I. Sanz, S. Saugar, B. Serra, F. Serrano, J.M. Soria, F. Suay, M. Tirado, J. Torregosa, N. Valtueña</i>	
HOW TO MEASURE STUDENTS' PERFORMANCE IN PBL?	3031
<i>A. Perez-Pascual, J.M. Alberola, J. Marín-Roig, J. Toledo Alarcón, D. Palacio Samitier, J.L. Giménez López, S. Heras Barberá, F. Castells Ramón, D. Pérez López, J. Palanca Cámara</i>	
DESIGN FOR INNOVATION IN EDUCATION: INTERDISCIPLINARY DESIGN CURRICULUM IN HIGHER EDUCATION	3040
<i>M. Usán Porta, N. Tarazona Belenguer, O. Ampuero Canellas</i>	
THE EXPECTATIONS AND PERCEPTIONS MEANINGS ATTRIBUTED BY HIGHER EDUCATION STUDENTS AND THEIR IMPACT ON THEIR ACADEMIC ENGAGEMENT IN PORTUGAL	3048
<i>M.L. Neves, M. Varela, R. Frago</i>	
PROJECT-BASED LEARNING: AN ACTIVITY ON ENVIRONMENTAL MANAGEMENT SYSTEMS IN BUSINESS	3057
<i>N. Rueda López, R.M. Martínez-Vázquez, J. De Pablo Valenciano, J. Milán-García, J.L. Caparrós Martínez, F.J. García Corral</i>	
A BOARD GAME-BASED VIRTUAL ENVIRONMENT FOR INTELLIGENT BOTS PROGRAMMING	3062
<i>A. Heras, V. Sanchez-Enguix, J.M. Alberola, A. Perez-Pascual</i>	
LEARNING MOTIVATION THROUGH ECONOMIC NEWS BLOGS IN THE INTRODUCTION TO ECONOMICS COURSE	3069
<i>N. Rueda López, R.M. Martínez-Vázquez, J. De Pablo Valenciano, J. Milán-García, J.L. Caparrós Martínez, F.J. García Corral</i>	
ELEMENTARY SCHOOL TEACHER'S SELF-EFFICACY	3073
<i>K. Sýkora Hernády</i>	
MVGEOPARK 360° - THE DIGITAL TO TEACH BIODIVERSITY, GEODIVERSITY, HISTORIC AND CULTURAL HERITAGE	3079
<i>P.N. Silva, J. Castro Rodrigues, F.M. Ferreira Melo, J.N. Lemos Ferreira Real</i>	
TALKYTUTOR: AN INNOVATIVE APPROACH FOR CHATBOTS FOR EDUCATION	3088
<i>D. Rooein, P. Paolini</i>	

NAVIGATING DIGITAL CHALLENGES TOGETHER: COOPERATION OF RESEARCHERS AND SUBJECT TEACHERS	3094
<i>J. Haapaniemi, H. Janhonen-Abreuquah, K. Koppel, S. Mcgarvie, P. Palojoiki, J. Rendahl, M. Rödin, G. Åbacka, T. Vänt, J. Taar</i>	
INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) AS A PLATFORM FOR STUDENT ENGAGEMENT (SE) AND SELF-DIRECTED LEARNING (SDL)	3102
<i>P.M. Chewachong Akih</i>	
APPROPRIATE FORMATTING PARAMETERS FOR DIGITAL LEARNING MATERIALS	3110
<i>K. Mackare, A. Jansone</i>	
THE USE OF PODCASTING FOR A HYBRID FLIPPED CLASSROOM	3119
<i>C. Marco-Detchart, J. Taverner, J. Jordán</i>	
F.I.DO: FIGHTING FAKE NEWS AND DISINFORMATION- A SERIOUS GAME AND NEW METHODOLOGIES FOR TRAINING SENIOR CITIZENS	3125
<i>A. Giannakopoulou, L. Bevilacqua, A. Gennarelli, L. Kokole, K. Lihtenoalner, I. Walczak, R. Vukcevic</i>	
EVALUATING THE USE OF SELF-VIDEO TEACHING IN A FLIPPED CLASSROOM	3133
<i>J. Taverner, C. Marco-Detchart, J. Jordán, T. Vos</i>	
PERSPECTIVES ON THE TEACHING PROFESSION IN RELATION TO THE CURRENT GENERATION	3139
<i>P. Hanáková</i>	
SEEING THE DIFFERENCE IN TERTIARY OPHTHALMOLOGY EDUCATION: DEFICIENCIES IN THE TEACHING AND CONFIDENCE OF THE CONTEMPORARY MEDICAL WORKFORCE ACROSS REGIONAL AND METROPOLITAN AUSTRALIA	3144
<i>W. Choy, S. Spencer, J. Hepschke, H. Zhang, D. Kalas, M. Coroneo, A. Kan, B. Shulruf, A. Agar</i>	
COPING IN TURBULENT TIMES – CONCEPTUAL CONSIDERATION OF ELEMENTS OF SCHOOL CRISIS MANAGEMENT PROCESS	3155
<i>J.P. Peltola, E. Lindfors, E. Luukka</i>	
RESEARCH-BASED LEARNING IN THE DWELLING OF THE PRESENT: A CLASSROOM EXPERIENCE THROUGH MONITORING	3165
<i>M. Álvarez Dorado, D. Ferrández, C. Morón</i>	
SCAFFOLDING IN CLIL IN PRIMARY EDUCATION: A VIDEO STUDY ANALYSIS	3172
<i>S. Klimeszová</i>	
AN APPLICATION OF DESIGN THINKING IN THE CLASSROOM TO PROMOTE THE DEVELOPMENT OF SUSTAINABLE PRODUCTS	3173
<i>D. Ferrández, A. Zaragoza, C. Morón, J.A. Zuñiga</i>	
SCIENTIFIC SKILLS OF PRE-SERVICE BIOLOGY TEACHERS: CRITICAL ASPECTS OF SOLVING INQUIRY-BASED TASKS	3179
<i>K. Vojtř, A. Nejedlý</i>	
THE ABILITY OF CZECH LOWER SECONDARY SCHOOLS' STUDENTS TO IDENTIFY AND OPERATIONALIZE A RESEARCH PROBLEM	3180
<i>A. Nejedlý, K. Vojtř</i>	
STUDENT ENGAGEMENT DESPITE COVID-19? EMPIRICAL FINDINGS FROM TEACHER EDUCATION	3186
<i>M. Matischek-Jauk, H. Reicher, G. Krammer, C. Koschmieder, C. Stöckl, E. Amtmann</i>	
FAIE - FAIR AI EDUCATION	3192
<i>A. Dingli, L. Bondin, A. Biancardi Attard, O. Agius</i>	
THE ROLE OF A PERSONAL BLOG AS A TOOL FOR MEANINGFUL LEARNING IN AN INTEGRATIVE COURSE	3198
<i>E. Luzzatto, D. Fono</i>	
STUDENT MOTIVATION IN A FACE-TO-FACE FORM AFTER COVID-19	3199
<i>M. Boroš, A. Velas</i>	
TECHCLASS LEARNING MANAGEMENT SYSTEM COMMITMENT TO ACCESSIBILITY AND SPECIAL EDUCATION	3203
<i>F. Eftekhari</i>	
AN INTERSECTIONAL STUDY ON STUDENT LEARNING OUTCOME PERCEPTIONS	3213
<i>F. Musella, G. Marinensi, B. Botte</i>	
TECHCLASS APPROACH TO INFLUENCE ONLINE LEARNING IN THE ARAB WORLD USING ARTIFICIAL INTELLIGENCE	3214
<i>F. Eftekhari, S. Khajehpour</i>	
TRAINING TEACHERS ON HOW TO SHARE REMEMBRANCE WORK WITH THE STUDENTS THROUGH STUDY TRIPS TO AUSCHWITZ	3222
<i>M. Bruyminckx, L. Lacourt, A. Lambert</i>	

STUDENT'S-INSTRUCTOR'S PERCEPTION OF GOOD TEACHING OF LIBERAL ARTS CLASSES IN KOREAN COLLEGE <i>B. Jun</i>	3229
COST – VALUE CONSIDERATIONS IN ONLINE EDUCATION PRACTICE: A VIRTUAL REALITY CASE STUDY <i>L. Korenova, J. Hvoorecky, A. Schmid</i>	3233
VIRTUALLY IMPOSSIBLE? INTRODUCING VIRTUAL EXCHANGE COURSES IN A EUROPEAN UNIVERSITY ALLIANCE <i>B. Kjellgren, M. Serrano Van Der Laan</i>	3240
HOW DO PRIMARY SCHOOL TEACHERS INTEGRATE A SCHOOL VISIT TO A MEMORIAL MUSEUM INTO THEIR PEDAGOGICAL WORK? <i>M. Bruyninckx, L. Santoro, O. Eppe</i>	3246
THE USE OF INFORMATION AND COMMUNICATION TECHNOLOGY FOR ACQUIRING EVERYDAY LIFE COMPETENCIES IN ADULTS WITH INTELLECTUAL DISABILITIES <i>N. Jakopec, M. Kruzic</i>	3253
A RESEARCH ON THE USE OF LEARNING BY DEVELOPING ACTION MODEL IN COMPUTING STUDIES IN FINLAND AND THE UK HEIS <i>T. Lintilä, M. Zarb</i>	3261
USER EXPERIENCE WITH EDUCATIONAL TECHNOLOGY IN AFRICAN SLUMS <i>G. Stefansson, A.H. Jonsdottir</i>	3270
LIVE WELL: THE HABIT-BASED WELLNESS PROGRAM FOR WORKING PROFESSIONALS <i>M. Rigsby, Y. Liu, L.A. Fierro, B. Zoghi</i>	3280
PROPOSED MEASURES OF SCHOOL-BASED INTERVENTIONS TO PROMOTE SOCIAL AND MENTAL SAFETY <i>J.P. Peltola, E. Lindfors, A. Korkeaniemi, E. Luukka</i>	3284
GAME COLLABORATIVE DEVELOPMENT FOR TEACHING-LEARNING EPIDEMIOLOGY IN A VETERINARY DEGREE <i>C. Serna, J.A. Ruiz Santa Quiteria, R. de la Fuente, J. Álvarez, M.D. Cid</i>	3285
THE DIGITAL REVOLUTION: IMPLICATIONS FOR DEVELOPMENT AND EDUCATION <i>F. Durach, P. Dobrescu, L. Vladu</i>	3292
4.0 COMPETENCES – PROJECT MANAGEMENT CATALYSTS FOR THE TIMES OF THE COVID-19 PANDEMIC <i>J. Fila, M. Jeżowski, P. Poszytek</i>	3301
LEADERSHIP AND LEARNING IN HYBRID WORK TEAMS: WHAT DO WE KNOW? <i>S. Ebojoh</i>	3305
THE IMPORTANCE OF SUBJECTIVE PARENTS AND PEERS NORMS ON ADOLESCENTS' PHOTO SELF-DISCLOSURE ON SNS <i>U. Paluckaitė, K. Žardeckaitė-Matulaitienė</i>	3315
DESIGN OF A COLLABORATIVE LEARNING TOOL TO IMPROVE THE ACADEMIC PERFORMANCE IN VEGETABLE FOOD TECHNOLOGY COURSE FOR THE DEGREE IN FOOD SCIENCE AND TECHNOLOGY <i>M.D. Romero de Ávila, X.F. Hospital, C. Serna, M.D. Cid, E. Hierro</i>	3321
EXPLORATORY RESEARCH INTO ENHANCING INCLUSIVE COLLABORATION SKILLS THROUGH GROUP ASSESSMENT AT BRIGHTON SCHOOL OF BUSINESS AND LAW 2022 <i>R. Carden, S. Cork, A. Jones, L. Marks</i>	3326
STUDENT-CENTERED SUPPORTED LEARNING: AN ALTERNATIVE FROM CONCEPT TO SPECIALIZED SERVICE <i>D. Isoc</i>	3335
REVIVING THE TEACHER IN A DIGITAL AGE: GROWING BEYOND THE COMFORT ZONE <i>G. Lean, W. Barber</i>	3345
HYDROSTATICS – PHYSICS TOPIC WITH MANY MISCONCEPTIONS <i>S. Zitherl</i>	3351
USING VIRTUAL REALITY TO PREPARE PARAMEDICS FOR EMERGENCIES <i>A. Lochmannová</i>	3358
THE RISE IN LEARNIFICATION AND SELF-EXPLOITATION IN ONLINE LEARNING <i>G. Lean, W. Barber</i>	3364

INCREASING STUDENT MOTIVATION IN PHYSICS LESSONS WITH AUGMENTED REALITY: ERASMUS+ KA201 PROJECT ARPHYMEDES	3370
<i>S. Zihlerl, K. Susman, J. Pavlin</i>	
THE IMPORTANCE OF FIELD TRIPS IN ELECTRICAL ENGINEERING DEGREES: A RECENT EXPERIENCE AT THE ELECTRICAL MACHINES SECTION OF THE UNIVERSIDAD POLITÉCNICA DE MADRID	3377
<i>K. Mahtani, J.M. Guerrero, J.R. Arribas, C.A. Platero</i>	
'ROTA DOS SABORES' – SIMULATION-BASED LEARNING IN TOURISM, HOSPITALITY AND CATERING EDUCATION AND TRAINING	3384
<i>A. Melo, C. Melo, S. Vasconcelos</i>	
SUPPORTING TEACHERS FOR ONLINE TEACHING DURING COVID-19 PANDEMIC	3391
<i>H.M.A. Olum, G.M.N. Isabwe</i>	
RECENT REFLECTIONS FROM YOUNG UNIVERSITY TEACHERS ON THE DIRECTION OF FINAL PROJECTS IN THE FIELD OF ELECTRICAL ENGINEERING	3396
<i>K. Mahtani, J.M. Guerrero, D. Talavera, C.A. Platero</i>	
CEDH - A LIFELONG LEARNING PROGRAM TO IMPROVE HOTEL MANAGERS PATHS	3403
<i>A. Melo, S. Vasconcelos, C. Melo</i>	
IMPLEMENTATION OF CHALLENGE BASED LEARNING IN THE MECHANICAL ENGINEERING DEGREE	3404
<i>I. Llop-Harillo, A. Pérez-González, J.F. Fuentes-Ballesteros, M.C. Mora, J. Andrés-Esperanza, J.V. García-Ortiz, P.J. Rodríguez-Cervantes, J.L. Sancho-Bru</i>	
AUGMENTED CLASSROOMS: A GENERATOR OF AUGMENTED ENVIRONMENTS FOR LEARNING	3405
<i>S. Cicconi, M. Marchese</i>	
A MIXED-METHODS STUDY TO INVESTIGATE TEACHERS' AND STUDENTS' ATTITUDES TOWARD BLENDED LEARNING OF THE ENGLISH LANGUAGE IN SAUDI ARABIA	3414
<i>A. Altayyar, M. Krauthaker</i>	
VARIETY OF ROLES OF SPECIAL EDUCATIONAL NEEDS TEACHERS AS PERCEIVED BY SPECIAL EDUCATIONAL NEEDS TEACHERS	3415
<i>K. Čerovenka, V. Vojtová</i>	
ASSESSMENT OF STUDENT'S EXPERIMENTAL WORK IN PRIMARY SCHOOL PHYSICS	3423
<i>M. Semič, K. Susman</i>	
PROMOTING META-EMOTIONAL SKILLS WITH THE STANISLASKY METHOD	3431
<i>M.R. Strollo, F. Marone, M. De Simone</i>	
DIGITAL AND PAPER READING AND WRITING AT SCHOOL: STUDENTS' VOICE FROM AN ITALIAN SCHOOL	3441
<i>A. Anichini, A. Nardi, R. Bartolini, F. Pestellini</i>	
ROBOTS FOR BIODIVERSITY PROTECTION: AN EDUCATIONAL CLASSROOM PROJECT	3452
<i>S. Palmieri, S. Brignone, L. Bano, G. Antonello, R. Grimaldi</i>	
METHODOLOGY TO ASSESS HIGH SCHOOL STUDENTS LEARNING TO EVALUATE INFORMATION SYSTEM USABILITY	3460
<i>S. Kubilinskiene, T. Liogiene, V. Judickaitė-Zukovskė</i>	
COMPETENCES DEVELOPMENT OF "HEALTH CARE" STUDENTS IN RELATION TO INTENSIVE CARE	3469
<i>P. Trendafilova, A. Dimitrova, K. Bogdanova, G. Tchaneva</i>	
TEACHERS' EXPERIENCES OF SIMULATION WHEN TEACHING NURSING STUDENTS TO ENCOUNTER A SUICIDAL PERSON	3474
<i>M. Ylitalo, E. Söderlund</i>	
ADDRESSING SDG TARGETS THROUGH THE LENS OF AN INNOVATIVE SERVICE - LEARNING PROGRAMME	3480
<i>E. Doone, M. Abreh, C. Mills, C. Sungdong</i>	
LEARNER'S EXPERIENCES WITH EDUCATIONAL TECHNOLOGIES: DEVELOPMENT AND VALIDATION OF AN ASSESSMENT QUESTIONNAIRE	3489
<i>G. López-Crespo, C. Ferrer-Pérez, M.C. Blanco-Gandía, N. Sánchez-Pérez, C. Fidalgo, S. Valdivia-Salas, T.I. Jiménez, M. Alcaraz-Iborra</i>	
UPENDING THE STATUS QUO USING CROSS-MEDIA STORIES	3494
<i>R. Testa</i>	

DESIGNING PLAYFUL LEARNING MODEL TO PROMOTE NEW LITERACIES OF PRESCHOOLERS: THE FOCUS ON THE TEACHER'S MOTIVATIONAL SCAFFOLDING AND PRESCHOOLERS' MOTIVATIONAL TRIGGERS	3498
<i>B. Ollonen, M. Kangas</i>	
LIFE SATISFACTION IN HIGH-SCHOOL STUDENTS AND ITS RELATIONSHIP WITH THE CLASSROOM CLIMATE AND PSYCHOLOGICAL INFLEXIBILITY	3499
<i>G. López-Crespo, S. Valdivia-Salas, A.S. Lombas, C. León-Moreno, E. Estévez, T.I. Jiménez</i>	
FROM EDUCATIONAL IMPLICIT TO CRITICAL AWARENESS: REFLECTING ON "COGNITIVE LATENCY" THROUGH CINEMATIC NARRATION	3504
<i>M. De Simone, F. Marone, M.R. Strollo</i>	
AN EVALUATION OF THE EMPLOYMENT OF GAME-BASED LEARNING AS A TOOL FOR NUMERICAL EXERCISES AND LABORATORY PRACTICES REINFORCEMENT	3513
<i>K.U. Antela, R. Sáez-Hernández, I. Adam-Cervera, P. García-Balaguer, A. Pastor, M.J. Luque, A.R. Mauri-Aucejo, M.L. Cervera, A. Morales-Rubio</i>	
AN EXPERIENCE IN BREAKING THE GENDER GAP IN COMPUTER SCIENCE BY MEANS OF COMIC PANELS ABOUT FEMALE PIONEERS	3521
<i>L. García-Cabrera, I. Pedrosa-García, J.M. Serrano</i>	
ERASMUS + PROJECT: TRAINING IN FOOD LAW THROUGH AN INNOVATIVE METHODOLOGY USING NEW INFORMATION AND COMMUNICATION TECHNOLOGY TOOLS (TRIFLIM)	3527
<i>A. Sánchez Cerezo, C. Vaz de Carvalho, V. Krestos, F. Pompei, J.M. Ferrer Villar</i>	
DEVELOPMENT OF A SIMULATOR OF VISUAL SYSTEM ASSESSMENT FOR OPTOMETRY UNIVERSITY STUDENTS IN GAME-BASED LEARNING FORMAT	3532
<i>K.U. Antela, P. García-Balaguer, R. Sáez-Hernández, I. Adam-Cervera, A. Pastor, A.R. Mauri-Aucejo, A. Morales-Rubio, M.L. Cervera, M.J. Luque</i>	
ANALYSIS OF CONDITIONS AND FACTORS INFLUENCING THE INCIDENCE OF TRUANCY IN THE SCHOOL ENVIRONMENT	3538
<i>I. Šuhajdová, J. Gubricová</i>	
THE IMPORTANCE AND VALIDITY OF SCHOOL CLUBS FOR ROMA PUPILS FROM SOCIALLY DISADVANTAGED BACKGROUNDS IN THE SLOVAK EDUCATIONAL SYSTEM	3545
<i>I. Šuhajdová, J. Gubricová</i>	
DESIGN, IMPLEMENTATION AND EVALUATION OF DIDACTIC GAMES ON THE TOPIC OF LIGHT IN PRIMARY SCHOOL SCIENCE AND PHYSICS SUBJECTS	3546
<i>L. Bevc, K. Susnan, J. Pavlin</i>	
VIDEO MATERIALS IN FOREIGN LANGUAGE LESSONS AS A MEANS OF MASTERING FOREIGN COMMUNICATION OF STUDENTS	3553
<i>E. Andreeva, I. Korneva</i>	
HOW TO CREATE TWO VARIANTS OF MATH TEST WITH MATH4TEACHER APPLICATION	3558
<i>P. Vondráková, P. Beremlijski</i>	
SAPERE AUDE! HOW THE DIAGNOSIS OF DISCARD CAN IMPROVE ANIMAL TRACK IDENTIFICATION SKILLS IN BIODIVERSITY STUDENTS	3565
<i>F.J. Aznar-Azendaño, C. Bautista-Romero, A. Climent-Richart, S. Cordeiro-Vidal, J. Echeverría-López, E. Figueres-Herraiz, C.J. García-López, A. García-Pita, M.I. García-Sarmiento, A. González-Bernal, T. Granadal-Del-Río, P. Jiménez-Ribelles, B. Lapuente-Hernández, I. Laviada-Pérez, P. Lerma-Escribá, D.E. Lopez-Santin, S. Pérez-Herrero, M. Peris-Bruno, A. Puchal-Mejías, J.C. Rincón-Alba, M. Segovia-Trufero, V. Tomás-Moya, A. Valeri, F.E. Montero-Royo</i>	
INTERACTIVE TECHNOLOGIES AS A WAY TO INCREASE THE MOTIVATION OF UNIVERSITY STUDENTS TO LEARN A FOREIGN LANGUAGE	3575
<i>E. Andreeva, I. Korneva</i>	
A LEARNING JOURNEY TOWARDS SUSTAINABLE TOURISM EDUCATION – MAPPING AN INTERDISCIPLINARY PROJECT	3582
<i>S. Vasconcelos, C. Melo</i>	
THE IMPORTANCE OF ENGLISH PROFICIENCY: THE PARTICULAR CASE OF UKRAINE	3587
<i>A.L. Luís, T. Kornieieva, R. Braz</i>	
HOW COOL IS COLLABORATION? STUDENTS' PERCEPTIONS ON PARTNERING WITH THE TOURISM INDUSTRY	3596
<i>C. Melo, C. Mouta, P. Pereira</i>	
EVALUATING THE POTENTIAL OF USING AUTOMATED ACTION RECOGNITION FOR MONITORING STUDENT ACTIVITY IN TELE-EDUCATION	3605
<i>E. Dimitriadou, A. Lanitis</i>	

THE CASE STUDY ON VEX ROBOTICS CURRICULUM SYSTEM OF VEX ACADEMY BASED ON STEAM EDUCATION	3610
<i>F. Ma, Z. Zhang</i>	
TEACHING EXPERIENCE BASED ON FLIPPED LEARNING COMBINED WITH LABORATORY PRACTICE IN A DEGREE COURSE IN INDUSTRIAL ENGINEERING	3616
<i>A. Martínez Romero, M. Díaz Heras, J.I. Corcoles</i>	
THE RAPID TRANSITION FROM FACE-TO-FACE TO VIRTUAL TEACHING FOR LARGE GROUPS OF FIRST YEAR STUDENTS IN TIMES OF CRISIS	3622
<i>E.L. Silva-Ramírez, J.F. Cabrera-Sánchez, A. Balderas</i>	
APPLICATION OF INNOVATIVE TEACHING TOOLS IN A DEGREE COURSE IN INDUSTRIAL ENGINEERING	3629
<i>M. Díaz Heras, A. Martínez Romero, E. Lacasa Fernández, J.F. Belmonte, J.I. Corcoles</i>	
CRITICAL ANALYSIS ON THE USE OF SIMULATORS IN ENGINEERING DEGREES	3636
<i>O. Diaz, E. Segredo-Morales, E. González</i>	
POST-COVID EXPERIENCES OF DISTANCE EDUCATION IN HEIS: THE CASE OF VILNIUS UNIVERSITY IN LITHUANIA	3640
<i>S. Šabanovas, K. Levanaitė</i>	
WETLANDS AS A TEACHING MATERIAL FOR SECONDARY SCHOOL STUDENTS	3649
<i>A.E. Rodríguez-Pérez, A.M. Blázquez</i>	
PROBLEM-BASED LEARNING: USING SIMULATORS TO ANALYSE COMPLEX EXAMPLES	3655
<i>O. Diaz, E. González, E. Segredo-Morales</i>	
PRE-SERVICE TEACHERS TRAINING: ONLINE COURSE DESIGN TECHNOLOGY	3659
<i>N. Batrova, M. Lukoyanova, Z. Filatova, N. Zakirova</i>	
A COMPARISON OF INSIDER RESEARCH EXPERIENCES AND INSIDER RESEARCH LITERATURE WITHIN A PROFESSIONAL DOCTORAL STUDY	3667
<i>D. Bell</i>	
DEVELOPMENT OF TELEGRAM BOT FOR USE IN AN EDUCATIONAL ORGANIZATION	3672
<i>Z. Filatova, N. Zakirova, M. Lukoyanova, N. Batrova</i>	
MAPPING THE ENGLISH LANGUAGE AND LITERATURE STUDENTS' ATTITUDES TOWARDS ACTIVE READING STRATEGIES	3679
<i>J. Hrinak</i>	
ARE WE THERE YET? ASSESSING 360 VIDEO AND ASSOCIATED TECHNOLOGIES FOR WEB ACCESSIBILITY COMPLIANCE	3685
<i>M. Taylor, A. Hill, H. Wharrad, K. Whittingham</i>	
THE ANALYSIS OF ENGLISH LANGUAGE AND LITERATURE STUDENTS' ACADEMIC WRITING SKILLS AT THE TERTIARY LEVEL OF EDUCATION	3686
<i>J. Hrinak</i>	
EDUCATION AND TECHNOLOGY DURING THE PANDEMIC: THE AUTOBIOGRAPHICAL LABORATORY FOR NEW LIFE PROJECTS AND FOR LIFELONG LEARNING	3691
<i>G. Aleandri, C. Fiorentini</i>	
DESIGNING PRACTICAL CLASSES ON STOCK MARKETS THROUGH SIMULATION AND GAMIFICATION	3701
<i>F. García García, F. Guijarro Martínez, J. Oliver Muncharaz</i>	
THE IMPACT OF BILINGUAL EDUCATION ON STUDENTS' READING SKILLS	3706
<i>R. Ševčík</i>	
AN AI-BASED FRAMEWORK TO IMPROVE DIMENSIONS OF COMPUTATIONAL THINKING IN APPLIED MATH PROBLEMS	3710
<i>N. Rigaud Téllez, P. Rayón Villela</i>	
EVALUATION OF PEDAGOGICAL STRATEGIES BASED ON SOCIO-AFFECTIVE SCENARIOS: EXPERIENCE REPORT OF STUDENTS IN A VIRTUAL LEARNING ENVIRONMENT	3718
<i>J.M. Akazaki, L. Rocha Machado, P. Alejandra Behar, A.C. Ribeiro Ribeiro, J. Silva da Silva Mendes, K.K. Araújo da Silva, T.P. Fagundes Grande</i>	
IMPLEMENTATION OF PERSONALIZED LEARNING IN HIGHER EDUCATION: RESEARCH SYNTHESIS	3725
<i>E. Osipovskaya, S. Dmitrieva</i>	
AN EXPLORATION OF PROFESSIONAL IDENTITY IN HEALTH CARE LECTURERS IN A UK HIGHER EDUCATION INSTITUTE	3736
<i>B. Ball</i>	

USING AUDIOVISUAL CONTENT TO PROMOTE SOCIAL COMMITMENT IN THE UNIVERSITY STUDENT BODY: "ODS EN CORTO"	3737
<i>B. Del Caz Pérez, A. Florez T</i>	
A COMPARATIVE PRESENTATION OF TELECOM SERVICES TO INTRODUCE STUDENTS TO ESSENTIAL ISSUES REGARDING MODERN TELECOMMUNICATION NETWORKS	3744
<i>G. Pagiatakis, N. Voudoukis, D. Uzunidis</i>	
STUDENTS DIGITAL SERVICES IN MOROCCO	3749
<i>A. Boujdad Mkaem, N. Benaissa</i>	
PROPOSAL FOR THE COORDINATION AND INTEGRATION OF VIRTUAL METHODOLOGIES FOR LEARNING MANUFACTURING PROCESSES IN INDUSTRIAL ENGINEERING STUDIES	3753
<i>E. García-Martínez, V. Miguel, J. Coello, J.A. Naranjo, M.C. Manjabacas, J. Ayllón</i>	
OPTIMIZING SPATIO-TEMPORAL ORIENTATION IN CHILDREN'S SOCCER PLAY	3763
<i>R. Visan, A. Dreve, M. Stoica</i>	
VIRTUAL LAB SITE VISITS DURING PANDEMIC PERIOD AND THEIR USE IN POST PANDEMIC TIMES	3771
<i>H. Hernandez-Carrasco</i>	
AN INTEGRATED APPROACH TO TEACHING ANALOG-TO-DIGITAL CONVERSION AND ITS IMPLEMENTATION IN TELECOM NETWORKS	3778
<i>G. Pagiatakis, N. Voudoukis, D. Uzunidis</i>	
BUILDING A CHATBOT FOR RESOURCE NAVIGATION AND EDUCATIONAL PURPOSES: LESSONS LEARNED AND DEVELOPMENT OF A WHITE LABEL VERSION	3783
<i>B. Batch, J. Roberts, A. Nakonechnyi, R. Allen, B. Batch</i>	
A BIAS AGAINST ARCHITECTURE CREATED BY ARTIFICIAL INTELLIGENCE AMONGST COLLEGE STUDENTS AND ITS IMPLICATIONS IN LEARNING	3784
<i>D. Laija-Arellanes, J. Marín-Morales, J.L. Higuera-Trujillo</i>	
DESIGN OF A MASSIVE OPEN ONLINE COURSE ON ELECTRICAL MICROGRIDS CYBERSECURITY AND OPTIMIZATION	3789
<i>R. Melendez-Norona, M.M. Larrondo-Petrie</i>	
CONTEXTUAL FACTORS FOR THE IMPLEMENTATION OF A CURRICULUM FROM THE POINT OF VIEW OF COMPUTER SCIENCE TEACHERS	3797
<i>T.B. Wolff, A. Martens</i>	
INDUSTRY 5.0 IN VOCATIONAL EDUCATION	3805
<i>P. Marinič, P. Pecina</i>	
FACTORS HINDERING EDUCATION FROM THE POINT OF VIEW OF EASTERN SLOVAKIA TEACHERS	3812
<i>M. Bálintová, A. Barcziová, R. Machová</i>	
SEATING ARRANGEMENT: A FLEXIBLE AND INFLUENTIAL VARIABLE IN THE ATTENTION OF UNIVERSITY STUDENTS	3819
<i>M. Pérez-Chantes, M.L. Nolé, J.L. Higuera-Trujillo</i>	
THE CLASSROOM IN NATURE: POSITIVE OR NEGATIVE EFFECTS ON ATTENTION?	3826
<i>K.S. Orozco-Cruz, M.L. Nolé, J.L. Higuera-Trujillo</i>	
LEARNING AND USING IMAGE CLASSIFIERS BY CREATING REAL MOBILE APPLICATIONS	3834
<i>A. Zhou, D. Kim, H. Abelson</i>	
GREEN VS FAST FASHION: AN ENVIRONMENTAL TRANSITION INDEX	3842
<i>A. Violano, M. Merola, G. Savarese</i>	
AN APPLICATION OF FLIPPED LEARNING DURING TECHNICAL DRAWING CLASSES	3850
<i>D. Fait, P. Hofrichterová</i>	
UNIVERSITY MEDIATION IN SPAIN: AN INNOVATIVE TOOL TO BUILD SKILLS TO IMPROVE WORKING RELATIONSHIPS AND CONFLICT RESOLUTION IN THE UNIVERSITY DOMAIN	3857
<i>M.M. Aranda Jurado</i>	
LOW FLOORS & HIGH CEILINGS: ENGAGING, ENHANCING, AND EVALUATING THROUGH VIRTUAL LEARNING TOOLS	3864
<i>S. Thompson</i>	
PERSPECTIVES OF THE EDUCATIONAL SYSTEM SEEN THROUGH CLOUD COMPUTING	3871
<i>M.I. Vulpe, V.A. Enăchescu</i>	

INTERCULTURAL EDUCATION OF POSTGRADUATE MEDIA STUDENTS: QUANTITATIVE RESEARCH OF INCLUSIVE UNACCEPTABLE TERMINOLOGY IN LIFESTYLE MEDIA OUTLETS	3878
<i>J. Bozic, S. Stibohar, Z. Bagaric</i>	
ALGEBRAIC THINKING AND COMPUTATIONAL THINKING IN PRE-UNIVERSITY CURRICULUM	3888
<i>J. Bilbao, E. Bravo, O. García, C. Rebollar, C. Feniser, V. Dagienė, V. Masiulionytė-Dagienė, M.J. Laakso, A. Hakkarainen, I. Güven, Y. Gulbahar, Z. Pluhár, P. Sarmasági, A. Pears</i>	
PROPOSAL FOR TRANSVERSALITY IN THE FINAL DEGREE PROJECT IN THE FACULTY OF BUSINESS ADMINISTRATION AND MANAGEMENT	3896
<i>F. García García, F. Guijarro Martínez, J. Oliver Muncharaz</i>	
EDUCATION AND TECHNOLOGY: NEW CHALLENGES IN THE FIELD OF HIGHER EDUCATION	3900
<i>C. Feniser, J. Bilbao, C. Radu, A. Sadeh, E. Bravo, O. García, C. Rebollar</i>	
MANAGING THE COMPLEXITY OF THE PRESENT TEACHING AND LEARNING SCENARIO: THE SMART LEARNING DESIGN APPROACH	3906
<i>S. Sancassani, V. Baldoni, F. Brambilla, D. Casiraghi</i>	
RESEARCH MAPPING IN THE TEACHING ENVIRONMENT: TOOLS BASED ON NETWORK VISUALIZATIONS FOR A DYNAMIC LITERATURE REVIEW	3916
<i>L. Mercadé, F.J. Díaz-Fernández, M. Sinusia Lozano, J. Navarro-Arenas, M. Gómez, E. Pinilla-Cienfuegos, D. Ortiz de Zárate, V.J. Gómez Hernández, A. Díaz-Rubio</i>	
BENEFITS OF SCIENTIFIC DISSEMINATION FOR THE IMPROVEMENT OF TEACHING SKILLS	3923
<i>E. Pinilla-Cienfuegos, L. Mercadé, F.J. Díaz-Fernández, M. Gómez, J. Navarro-Arenas, M. Sinusia Lozano, D. Ortiz de Zárate, V.J. Gómez Hernández, A. Díaz-Rubio</i>	
MATHEMATICS AND EMOTIONS: AN UNLIKELY CONNECTION	3928
<i>C. Cruz, A. Breda</i>	
SCHOOLS OF CARING: A QUALITATIVE RESEARCH IN THE MUNICIPAL PRESCHOOLS OF CORREGGIO (REGGIO EMILIA)	3936
<i>I. Mussini</i>	
INTERACTIVE SIMULATION MODELS FOR TEACHING AND LEARNING OF COMPUTER SCIENCE	3945
<i>V. Stoffová, V. Gabalová</i>	
EVALUATING EMPLOYEE RETENTION AND MITIGATING TURNOVER WITHIN AN ENGINEERING ORGANIZATION - A CAPSTONE CASE STUDY	3954
<i>R. Hurst, R. Mody, B. Zoghi</i>	
STRESS AND HAPPINESS: INVESTIGATING STRESS TOLERANCE AND HAPPINESS IN TECHNICAL PROFESSIONALS	3964
<i>L.A. Fierro, Y. Liu, M. Rigsby, B. Zoghi</i>	
BUILDING A THINKING CLASSROOM IN HIGHER EDUCATION: ACTION STEPS BY A MATHEMATICS PROFESSOR TO ENHANCE LEARNING IN AN UNDERGRADUATE GEOMETRY COURSE	3969
<i>M. Parrott</i>	
EFFICACY OF INDUCTIVE AND DEDUCTIVE TEACHING APPROACHES ON STUDENTS' RETENTION IN UPPER BASIC SCIENCE AND TECHNOLOGY IN BENUE STATE, NIGERIA	3974
<i>C. Audu, M. Angura</i>	
APPLICATION OF BEST PRACTICE INTRA-ORGANIZATIONAL ONLINE COLLABORATION IN A COLLABORATIVE VIRTUAL ENVIRONMENT	3980
<i>C. Baumann, K. Herzig, S. Reeb</i>	
USING 360-VIDEO SIMULATION TO ENHANCE INTERPROFESSIONAL TEAMWORK: THE CASE OF A WARD ROUND	3991
<i>B. Bø, M.L.A. Larsen, K. Spanne, I. Tjøflåt</i>	
GENIALLY AS AN INTERACTIVE TOOL IN THE INTEGRATED CURRICULUM IN BASIC BIOMEDICAL SCIENCES	3992
<i>M.C. Carceller, M. Serna-García, E. López-Fernández, A. Pellín Carcelén, N. Flacco</i>	
LERROTUZ: NEW TECHNOLOGIES, PROFESSIONALIZATION AND SUSTAINABLE DEVELOPMENT GOALS TOWARDS EDUCATIONAL INNOVATION IN THE UNIVERSITY TEACHING OF DRAWING	3998
<i>M. Echevarria Aguirre, A. Berroya Elosua, J.A. Morlesín Mellado, I. Sagasti Alegria</i>	
INTERNET OF THINGS AS A PEDAGOGICAL SUPPORT TOOL IN ARTIFICIAL INTELLIGENCE LEARNING IN HIGH SCHOOL	4007
<i>C. Nascimento, A. dos Santos, V. Bremgartner, C. Melo</i>	

GLOBAL COMPETENCE AT THE TECHNICAL UNIVERSITY: STAKEHOLDER PERSPECTIVES ON EDUCATIONAL OPPORTUNITIES AND THEIR EFFECTIVENESS <i>B. Kjellgren, T. Richter, E. Arnó-Macià, K. Fleischhauer</i>	4014
EVALUATION OF THE IMPACT OF THE RETURN OF ON-SITE ACTIVITIES AFTER THE PERIOD OF THE COVID-19 PANDEMIC IN A TECHNOLOGICAL TRAINING PROGRAM IN THE STATE OF AMAZONAS <i>D. Pompeu Noronha Pontes, A. Mota, S. Marques</i>	4023
ONLINE LEARNING IN STEM PROGRAMS: AN ANALYSIS OF CHALLENGES AND BEST PRACTICES IN HIGHER EDUCATION <i>A. Ni, M. Van Wart</i>	4029
DEVELOPMENT OF METHODOLOGY TO IMPROVE STUDENTS' INTELLECTUAL POTENTIAL <i>T. Kornieieva, A.L. Luís</i>	4030
ANALYSIS OF ICT COMPETENCIES AND SKILLS OF PRIMARY SCHOOLS INFORMATICS TEACHERS <i>A. Katyetova, V. Stoffova</i>	4040
AN EDUCATIONAL ENVIRONMENT IN E-LEARNING OF ENGINEERING: A PROPOSAL <i>G. Arroyo Delgado, M.C. Espino-Gudiño, R. De la Torre Sánchez</i>	4049
NEW TRENDS IN PRE-SERVICE TEACHER PEDAGOGICAL PRACTICE: CLASSES À LA CARTE PROJECT <i>L. Brito, M.H. Martinho</i>	4054
TECHNOLOGICAL, PEDAGOGICAL AND DISCIPLINARY KNOWLEDGE IN STUDENTS IN THE LAST CYCLE OF THE TEACHING CAREER <i>E. Flores, I. Castro</i>	4063
A NOVEL LOOK INTO ANIMATING OPHTHALMOLOGY EDUCATION <i>A. Kan, M. Lin, H. Zhang, S. Spencer, J. Hepschke, B. Shulruf, A. Agar</i>	4069
BRIDGING CULTURES AND HISTORIES THROUGH CONTEMPORARY EDUCATIONAL RESOURCES <i>R. Horst, J. Craft</i>	4079
CONTINUOUS TEACHER TRAINING FOR THE ACADEMIC ACTIVITIES MANAGEMENT SYSTEM IN THE FEDERAL EDUCATION NETWORK IN BRAZIL <i>M.L. Sievert, A. Grunewald Nichele</i>	4086
EDLS - AN ITERATION OF A DIGITALLY OPERATED ONE-ROOM SCHOOLHOUSE <i>F. Badar, J. Mason</i>	4092
ADVANCING STEM TEACHING AND LEARNING THROUGH THE FACULTY-LED PEDAGOGICAL JOURNAL CLUB <i>K. Rawat</i>	4100
A SHIFT IN TEACHER PREPARATION AND STUDENT AGENCY TO IMPROVE AT-RISK LEARNER ENGAGEMENT <i>A. Harrison-Surgeon</i>	4101
SUPPORTING FACULTY IN THE POST-COVID ERA: A CASE STUDY OF ONE UNIVERSITY <i>E. Chernobilsky, T. Galoyan, W. Velhagen</i>	4111
TOWARDS A CHANGE OF MENTALITY ON DIFFERENTIAL CALCULUS TEACHING <i>E. Fautsch</i>	4112
TRANSFER OF LEARNING IN MECHATRONICS EDUCATION FOR INDUSTRY 4.0 <i>V. Mašek, D. Fait, R. Čermák</i>	4118
SHARING A STORY OF PLACE AT THE UNIVERSITY OF TASMANIA <i>C. Andersen</i>	4125
THE ROLE OF CLASSROOM TEACHERS IN SCHOOL STUDENTS' CAREER GUIDANCE IN THE CONTEXT OF INCLUSIVE EDUCATION IN KAZAKHSTAN <i>L. Butabayeva, G. Nogāibayeva, S. Ismagulova, M. Temirbayeva, A. Zhussip</i>	4126
COMMON LEARNING AND APPLICATIONS PLATFORM IN RENEWABLE ENERGY HIGHER EDUCATION <i>S. Voinea, A. Balan, M. Greene, J. Kaminski, L.L. Anton, J. Newson, B. Dobrica</i>	4134
CROSS-CULTURAL ENGINEERING PROJECT: ASSESSMENT OF ENGINEERING EDUCATION PROGRAM BY OUTCOMES, SELF AND PEER EVALUATION AND CAREER TRACKING <i>H. Hasegawa, M. Yamashita, S. Kongwat, H. Navas, D. Watanabe, A. Khantachawana</i>	4141

THE REFERENCE MODEL FOR WORK-BASED LEARNING ANALYTICS	4151
<i>K. Murtazin, O. Shoets, G. Pihó, M. Meeter</i>	
ONLINE TEACHING AND LEARNING IN THE CONTEXT OF COVID-19 IN VIETNAM: CASE STUDY	4158
<i>H. Trinh, H. Mac, V. Nguyen, C. Nguyen</i>	
ACCESS TO HIGHER EDUCATION: EFFECTIVELY MAINTAINED INEQUALITY	4167
<i>T. Chirkina, Y. Tyumeneva, Y. Kuzmina</i>	
POTENTIAL AND CHALLENGES FOR ONLINE AND BLENDED LEARNING IN ARTS EDUCATION; IMPLICATIONS FOR DEVELOPING A TRANSFORMATIVE PEDAGOGICAL FRAMEWORK	4168
<i>V. Pavlou, N. Eteokleous</i>	
THE EFFECT OF TEACHERS' (DE)MOTIVATING TEACHING STYLE ON ENGAGEMENT AND ACHIEVEMENT IN MATHEMATICS: LITHUANIAN CASE	4174
<i>S. Raižienė, I. Gabrielavičiūtė, R. Garckija</i>	
DEVELOPMENT OF DEMAND DIVERSION MODEL FROM CONVENTIONAL CONSTRUCTION METHODS TO 3D CONCRETE PRINTING (3DCP)	4175
<i>M.M. Valiente López, B. Ahadi</i>	
THE POTENTIAL OF AUTOBIOGRAPHY AS EXPERIENTIAL LEARNING IN THE EXAMPLE OF LINGUISTICS	4186
<i>I. Tragel, L.M. Komissarov</i>	
NEW VIRTUAL REALITY TECHNOLOGIES IN BUILDING	4190
<i>M.M. Valiente López, M.A. Vidales Barriguete, P. Aguilera Benito, C. Pina Ramirez, M. Álvarez Dorado, A. Zargoza Benzal, T. Gil López, P. Palmero Cabezas, I. Bach Buendía</i>	
INTERDISCIPLINARY COMPETENCE OF INNOVATION IN THE EDUCATIONAL PRACTICE OF MUSIC TEACHERS OF GENERAL EDUCATION WITHIN THE FRAMEWORK OF STUDIES	4196
<i>I. Vilde, E. Vītols</i>	
ACCESSIBILITY OR QUALITY IN MEXICAN COLLEGES	4203
<i>M.E. Salazar Herrera, D.E. Aguirre Bautista, M.O. Castro Solano, D.M. Betancourt Trevedhán</i>	
DO GAMIFICATION AND FLIP TEACHING HAVE AN IMPACT ON LEARNING?	4210
<i>Y. Sánchez-Palencia, F. Barrio-Parra, L.A. Torres, M. Izquierdo-Díaz, L. Arévalo-Lomas, D. Bolonio, M. Sánchez-Canales, L.J. Fernández-Gutiérrezdelalamo, P. Segarra-Catasús, M.J. García-Martínez, L. Canoira</i>	
CURRENT TRENDS OF 21ST CENTURY SKILLS IN TERMS OF LABOR MARKETS' DEMANDS: TRIFOLD RESEARCH IN GREECE	4220
<i>I. Lazaridou, M. Staboulis</i>	
LEARNING ITALIAN AS SECOND LANGUAGE DURING PANDEMIC EMERGENCY: CHALLENGES AND IMPLICATIONS FOR CHINESE LEARNERS	4230
<i>T. Sbardella, Y. Zheng</i>	
DEVELOPMENTS AND CHALLENGES IN SOCIAL REINTEGRATION OF DELINQUENT TEENAGERS	4237
<i>M. Tomita, R. Ungureanu</i>	
EXPLORING FACTORS INFLUENCING PRE-SERVICE TEACHERS' DESIGN FOR TEACHING	4238
<i>P.Y. Lin</i>	
CONTINUING PEDAGOGICAL DEVELOPMENT FOR ACADEMIC STAFF: THE CASE OF LATVIA UNIVERSITY OF LIFE SCIENCES AND TECHNOLOGIES	4242
<i>B. Briede, N. Vronska, V. Dislere</i>	
WHAT DOES IT MEAN TO DECOLONISE COMPUTING AND IT - ANOTHER DUMB BUZZWORD OR RE-ENVISAGING ALL CULTURES AND KNOWLEDGE SYSTEMS FOR HOW THE WORLD IS FRAMED?	4250
<i>Z. Tompkins, M. Ramage</i>	
THE USE OF EDUCATIONAL MEDIA IN TEACHING BIOLOGY AT THE LOWER SECONDARY SCHOOLS	4262
<i>N. Porubová, I. Červenková, Z. Sikorová</i>	
ENHANCING COORDINATION AMONG SUBJECTS THROUGH HANDS-ON LABORATORY APPROACH	4271
<i>R. Sanchis, S.C. Cardona, V.G. Lo-Iacono-Ferreira, C. Quijada</i>	
DIDACTIC PROPOSAL TO LEARN MATHEMATICS, ELECTRONICS, AND MECHANICS BY WIND TURBINE MODELLING	4280
<i>J.E. Sierra-Garcia, M. Santos, R. Garcia-Ausin</i>	

USING PERSONALITY TRAITS TO FORECAST GRADES OF COMPUTER PROGRAMMING STUDENTS	4286
<i>I. Pesovski</i>	
APPLYING THE PRODUCT LIFECYCLE MANAGEMENT METHOD IN THE PROJECTS OF ENGINEERING STUDENTS	4287
<i>G.M. Moraru</i>	
ANALYSIS OF THE STUDENTS' IMAGINARY ABOUT A MUSIC TECHNOLOGY FOLLOWING A TPACK-BASED EDUCATIONAL INTERVENTION	4294
<i>T. Thayer, J. Tejada</i>	
HUMANITARIAN ROBOTICS: A PROBLEM-DRIVEN INTEGRAL DIDACTIC PROPOSAL FOR SECONDARY EDUCATION	4302
<i>J.E. Sierra-Garcia, R. Gómez-Santamaría, M. Santos, R. Garcia-Ausin</i>	
PEDAGOGICAL COMPETENCE OF STUDENTS - FUTURE TEACHERS OF PROFESSIONAL (VOCATIONAL) SUBJECTS TO PLAN A TEACHING UNIT	4308
<i>I. Ištvan</i>	
DEVELOPING PUBLIC SPEAKING SKILLS IN EUROPEAN EDUCATION AREA STUDENTS: REFLECTIONS FROM SEVEN YEARS OF EXPERIENCE	4315
<i>M.I. Rodríguez-Cáceres, E.M. Cuerda Correa, A. Serrano Pérez, J.C. Corchado Martín-Romo, N.M. Mora-Díez, J. Zarza Belmonte, A. Flores Regalado, J.A. Sansón Martín, R.F. Martínez Vázquez, M.E. Martín-Navarro, C. Fernández-González, C.J. Durán Valle, M. Alexandre-Franco, R. Pardo-Botello, M.I. Parra Arévalo, E. Viñuelas-Zahinos, M.V. Gil Álvarez, E. Botello Cambero, M. Antón Martínez, F. Luna Giles, G. Cumplido Laso, M.L. Sánchez Mendoza, M. Martínez Pizarro, M.A. Obregón Muñoz, J. Espino Palma, M. Garrido Álvarez, J. Vaquero Martínez</i>	
STUDENTS STRUGGLE IN COMING BACK TO FACE-2-FACE TEACHING IN EVIDENCE BASED GOOD TEACHING SETTINGS	4323
<i>A. Dannecker, U. Hanke</i>	
AN EXAMPLE TOWARDS THE RESPONSIBLE USE OF AI FOR HIGHER EDUCATION: EXPLAINABLE STUDENT DROPOUT PREDICTIONS	4330
<i>W. Casteels, L. Herrewijn, E. De Bruyne</i>	
HOW FAR ARE SCHOOL COMMUNITY'S MENTAL MODELS FROM SCIENTIFIC MODELS? TEACHERS, PRE-SERVICE TEACHERS AND STUDENTS' IDEAS ABOUT FORESTS AND WATER	4337
<i>A. Zabaleta, I. Irusta, O. Barrutia, U. Ortega-Lasuen, J.R. Díez</i>	
21ST CENTURY SKILLS AND INITIAL TEACHER TRAINING PROGRAMS IN PORTUGAL – WHAT DO WE KNOW?	4343
<i>A. Loução, A. Pedro</i>	
ANALYSIS OF THE CONTRIBUTION THAT UNIVERSITY STUDENTS BELIEVE THEY CAN MAKE FROM THE DEVELOPMENT OF THEIR FUTURE PROFESSION TO THE ACHIEVEMENT OF THE SDGS	4348
<i>R. Oltra-Badenes, V. Guerola-Navarro, H. Gil-Gomez, D. Botella-Carrubi, J.A. Gil-Gomez</i>	
USING THE CONCEPT OF THIRD SPACES TO TEACH UNDER-SERVED CHILDREN THE CRITICAL SKILLS NEEDED FOR UPWARD SOCIO-ECONOMIC MOBILITY	4353
<i>A. Roy Chowdhury, P. Narasimhan, S. Prasad</i>	
AUTOMATION OF KAHOOT! BY THE HUMANOID ROBOT PEPPER – COMPARING RESULTS FROM CLASSES – ROBOT VS. LECTURERS	4361
<i>A. Dannecker, D. Hertig</i>	
THE OPINIONS OF ENGINEERING STUDENTS REGARDING SUSTAINABILITY	4369
<i>G.M. Moraru</i>	
INTEGRATING DISTANCE LEARNING COURSES DEVELOPED BY THE EUROPEAN PROGRAM FOR HUMAN RIGHTS EDUCATION FOR LEGAL PROFESSIONALS IN STUDY PROGRAMS OF HIGHER EDUCATION INSTITUTIONS	4375
<i>A. Nastas, O. Dorul</i>	
PRIMARY SCHOOL STUDENTS' ABILITY TO NAME NATIVE AND EXOTIC ANIMALS USING BIOME PHOTOS: A PRELIMINARY STUDY	4380
<i>O. Barrutia, O. Pedrera, U. Ortega-Lasuen, J.R. Díez</i>	
COMPARATIVE ANALYSIS OF THE REAL KNOWLEDGE ABOUT THE SDGS THAT STUDENTS HAVE VERSUS THE KNOWLEDGE THEY THINK THEY HAVE	4386
<i>V. Guerola-Navarro, R. Oltra-Badenes, H. Gil-Gomez, D. Botella-Carrubi, J.A. Gil-Gomez</i>	
ASSESSING SCIENCE RELATED ATTITUDES IN GREEK UPPER HIGHSCHOOL STUDENTS	4393
<i>V. Gkagkas, E. Hatzikraniotis</i>	

TASK-CENTERED APPROACH TO NURTURE SCIENCE TEACHERS' SELF-EFFICACY AND ATTITUDES TOWARD APPLYING ROBOTICS	4401
<i>D. Saad, I. Verner, R.B. Rosenberg-Kima</i>	
PLANNING AND ITS RELATIONSHIP WITH MANAGEMENT PROJECTS IN THE PROVINCE OF BARCELONA	4407
<i>J.C. Escandon, T. Mentado, N. Serrat</i>	
MODEL OF ANALYSIS AND EDUCATIONAL PLANNING: A PROPOSAL FOR IMPROVEMENT FOR THE DIRECTION AND MANAGEMENT OF EDUCATION CENTERS	4415
<i>J.C. Escandon, T. Mentado, N. Serrat</i>	
PERSPECTIVES OF PSYCHOPHYSICAL CONDITION LEADERSHIP - DEVELOPMENT METHODS	4423
<i>D. Ullrich, J. Stříbrný, V. Pokorný, J. Horváth</i>	
DESIGNING AN ACADEMIC ITALIAN LMOOC FOR SLAVIC-SPEAKING STUDENTS	4428
<i>A. Pakula</i>	
"TEACH ME HOW TO LEARN" STRATEGIES USED TO PROMOTE PERFORMANCE AND WELLNESS IN FIRST YEAR MEDICAL SCHOOL IN THE UAE	4435
<i>S. O' Sullivan, S. Ismaiel, S. Kanj, D. Al Ghafari, H. Ibrahim</i>	
ASSESSING SUMMARY WRITING: QUANTITY, QUALITY OR BOTH?	4440
<i>A. Piu, C. Angelini, S. Testa</i>	
IMPLEMENTATION AND EFFECTIVENESS OF STUDY STRATEGIES IN MEDICAL SCHOOL; UNDERSTANDING THE WAY STUDENTS LEARN AND RETHINKING HOW WE TEACH THEM	4444
<i>S. O' Sullivan, S. Ismaiel, S. Kanj, D. Al Ghafari, H. Ibrahim</i>	
SPEAKING WITHOUT WORDS: ENHANCING INTERCULTURAL AWARENESS THROUGH GAMIFICATION AND COOPERATIVE LEARNING	4449
<i>A. Pakula, T. Sbardella</i>	
BRING YOUR OWN DEVICE (BYOD) – AN OPPORTUNITY FOR EDUCATION INSTITUTIONS TO STEP FORWARD	4455
<i>N. Angelova</i>	
USING EDUCATION TECHNOLOGIES TO SUPPORT CHILDREN WITH VISUAL AND/OR HEARING DIFFICULTIES IN THE EAST ASIA AND PACIFIC REGION	4463
<i>L. Pynnönen, C. Song, M. Spiezio, N. Yarrow</i>	
THE PATH FROM ANALYSIS TO DESIGN IN THE TEACHING EXPERIMENT WITHIN THE ENVIRONMENTAL DESIGN COURSE	4472
<i>R. Franchino, C. Frettoloso, S. Zerari</i>	
ECOLOGICAL LITERACY IN EARLY CHILDHOOD	4478
<i>G. Marci-Boehmcke, M.O. Rath, M. Rusch</i>	
THE JOY OF TEACHING: THE CONNECTION BETWEEN TEACHING EXPERIENCE, JOB SATISFACTION, AND SELF-EFFICACY	4488
<i>F. Ortan, J.F. Kiss, C. Simut</i>	
URBAN SCALE ANALYSIS AND MAPPING: AN EDUCATIONAL EXPERIENCE OF GEOGRAPHIC DATA IN SITU SURVEY	4495
<i>N. Pisacane, S. Zerari</i>	
ANALYSIS OF RISK COMMUNICATION KNOWLEDGE IN COMMUNICATION DEGREE STUDENTS	4505
<i>E.C. Vayas-Ruiz, N. Guamán-Guadalima, Á. Jiménez-Sánchez</i>	
SUPERVISION, REFLECTION, AND ASSESSMENT OF STUDENTS IN UNIVERSITY PRACTICAL EDUCATION AND THE PROCESS OF THEIR IDENTIFICATION, APPLICATION, AND ADAPTATION TO THE PROFESSION OF SOCIAL PEDAGOGUE	4513
<i>K. Liberčanová, A. Lengyleová</i>	
ART&MATHS FANZINES: WRITING AND SELF-PUBLISHING AT THE SERVICE OF MATHEMATICS AND ART EDUCATION	4523
<i>E. Martínez-Jiménez, C. González-Martín</i>	
SELF-ASSESSMENT AND PEER ASSESSMENT: STRATEGY FOR DEVELOPING ORAL COMPETENCE IN HIGHER EDUCATION	4531
<i>D. Baptista</i>	
EXPLORATION OF PRE-SERVICE TEACHERS' EXPERIENCES OF ROBOTICS AND CODING WITHIN STEAM SUBJECTS THROUGH A MENTORSHIP PROGRAMME AT A NON-PROFIT ORGANISATION	4539
<i>D. Robertson, A. Kirsten</i>	

DEVELOPING A STUDENT ENGAGEMENT AND SUCCESS FRAMEWORK FOR ENGINEERING EDUCATION	4546
<i>N. Fitzgerald, C. Cassidy, K. O'Sullivan, I. Morris, J. Walsh, E. O'Connell, F. Boyle</i>	
CORROSION OF MATERIALS FROM A TEACHING POINT OF VIEW	4556
<i>L.B. Peral, A. Díaz, J.M. Alegre, I.I. Cuesta</i>	
EVALUATE, INTERVENE AND MONITOR IN THE PRIMARY SCHOOL - AIM1	4562
<i>A.R. Silva, P. Mota, S. Gonçalves, R. Leite, A. Monteiro</i>	
SELFIE FOR WORK-BASED LEARNING: A TOOL TO SUPPORT VET INSTITUTIONS AND COMPANIES BECOME FIT FOR THE DIGITAL AGE	4570
<i>C. Herrero</i>	
USING THE "ALPHABET GAME" TELEVISION SHOW FOR MASTERING THE SPECIFIC VOCABULARY OF FOOD TECHNOLOGY	4571
<i>H. Gómez-Llorente, E. Pérez-Esteve, E. Martín-Esparza</i>	
GRAPHIC INTERFACE DEVELOPMENT FOR TEACHING ROBOTICS RELATED COMPUTER VISION TECHNIQUES	4576
<i>A. Mendez, A. Mora, R. Barber</i>	
COURSE-AGNOSTIC EARLY IDENTIFICATION OF STUDENTS AT RISK FROM MOODLE ACTIVITY PATTERNS	4585
<i>R. Santos, R. Henriques</i>	
ARE STUDENTS READY TO INCLUDE SDG INTO THEIR PROFESSIONAL PRACTICE? A CASE OF STUDY WITH AGRONOMIC ENGINEERING STUDENTS	4593
<i>E. Martín-Esparza, H. Gómez-Llorente, A. Argüelles, C. Lull, E. Pérez-Esteve</i>	
VOCATIONAL DEVELOPMENT AS AN EMPOWERING TOOL IN DECISION MAKING	4599
<i>A. Monteiro, R. Leite, P. Mota, S. Gonçalves, A.R. Silva</i>	
ONLINE TEACHING DURING COVID 19: HOW TO GET THE BEST OUT OF IT	4605
<i>M. Oliveira, T. Pataco</i>	
3 GAMES 4 CODING – DO GIRLS FEEL WELCOME?	4612
<i>L. Sällöin, P. Mozelius, N. Humble</i>	
PROMOTING INCLUSION BY BRINGING EDUCATION OUT-DOORS: OUTCOMES OF EXPLORATORY RESEARCH WITH TEACHERS	4621
<i>M. Moscato, F. Pedone, G. Ferrara</i>	
ACTIVE LEARNING APPROACHES FOR PROMOTING STUDENTS' AWARENESS ON SUSTAINABLE DEVELOPMENT: AN EXPERIENCE IMPLEMENTED IN SUBJECTS ON ENVIRONMENTAL MANAGEMENT	4627
<i>J. Molina-Azorin, J.J. Tari, M.D. Lopez-Ganero, J. Pereira-Moliner, E.M. Pertusa-Ortega</i>	
INCLUSION THROUGH TRAINING AND METHODOLOGY OF ADAPTED PHYSICAL EDUCATION	4631
<i>G. Ferrara, F. Pedone, M. Moscato</i>	
IMPOSSIBLE PROFESSION: TEACHERS' PROFESSION THROUGH GENDER LENSES	4637
<i>M. Chkotua, E. Pipia, M. Bandzeladze, N. Parjanadze, N. Tvalchrelidze, I. Mesiridze</i>	
MANAGING UNCERTAINTIES IN DIDACTIC DESIGN	4645
<i>L.M. Capolla, P.G. Rossi, M. Pentucci</i>	
DISTANCE VOCATIONAL TRAINING IN GREECE: THE SOCIO-PSYCHOLOGICAL EFFECTS ON THE GREEK STUDENTS	4652
<i>N. Nikolova, P. Anagnostou</i>	
THE PROBLEM OF PROBLEM IN PROBLEM-BASED LEARNING: A CLOSER LOOK AT THE BASICS	4660
<i>S. Mubarak, J. Heikkilä</i>	
ON THE DEVELOPMENT OF A VIRTUAL REALITY TEACHER TRAINING APPLICATION: INSPIRED BY EDUCATORS, DESIGNED FOR EDUCATORS	4666
<i>K.E. Stavouroulia, I. Álvarez Testillano, A. Pyrini, M. Debattista, T. Zarraonandia Ayo, M. Sanz Prieto, P. Díaz Pérez, A. Lanitis</i>	
A TRIGGER OR A MAGNIFYING GLASS? COVID-19 AND THE PSYCHO-SOCIAL WELL-BEING OF ACADEMICS IN HIGHER EDUCATION: A SOUTH AFRICAN CASE STUDY	4673
<i>R. Quilling, U. Singh, C. Gerwel Proches</i>	
NEEDS AND REQUIREMENTS OF TEACHERS, LEARNERS AND ADMINISTRATIVE STAFF FOR AI BASED MENTORING TOOLS IN HIGHER EDUCATION	4674
<i>J. Zawidzki, M. Bez, O. Jalilov</i>	
MULTIMODAL TEXTS: THE WAY TO ENGAGE STUDENTS IN EFL CLASS ACTIVITIES	4680
<i>I. Yarmakeev, A. Abdrafikova, E. Gimadieva, T. Pimenova</i>	

ENGLISH AS A FOREIGN LANGUAGE LEARNERS' ATTITUDES TOWARDS DATA-DRIVEN LEARNING OF GRAMMAR <i>M. Chkotua, N. Tsulaia</i>	4690
THE LAW IS BECOMING THE NEW SCHOOL MASTER: OR CAN AN UNREASONABLE BURDEN ON SCHOOLS BE JUSTIFIED <i>E. Kozina</i>	4698
LANGUAGE AND LEARNING: AN INTERDISCIPLINARY ANALYSIS OF CRITICAL THINKING SKILLS THROUGH PORTUGUESE LANGUAGE <i>L. Dantas, C. Galego, J. Oliveira, E. Santo, R. Lambo, M.T. Costa, M.J. Rios, R. Lobão</i>	4705
THE ENGAGE-STUDY-ACTIVATE METHOD: A NEW ANGLE AT ITS IMPLEMENTATION IN EFL CLASS <i>I. Yarmakeev, A. Abdrafikova, E. Gimadieva, T. Pimenova</i>	4706
'THE E-LEARNING QUAGMIRE OF COVID-19: AN ACADEMIC PERSPECTIVE <i>D. Cranfield, I. Venter, A. Tick, R. Blignaut, K. Renaud</i>	4716
"TOGETHER": A NEW COURSE FOR IMPROVING INTERPROFESSIONAL COLLABORATION AMONG HEALTH PROFESSION STUDENTS <i>M. Avrech Bar, M. Pade</i>	4726
QUALITY ASSURANCE MECHANISMS IN REGARDS TO WORK-BASED LEARNING – FINDINGS FROM INSTITUTIONAL ACCREDITATION IN CROATIA (2019–2021) <i>I. Petrušić, J. Dragičević</i>	4727
DEVELOPMENT AND VALIDATION OF A SCALE TO MEASURE ARTIFICIAL INTELLIGENCE LITERACY ATTITUDES <i>Y.Y. Wang, Y.W. Chuang</i>	4733
DEVELOPING CRITICAL THINKING IN SECONDARY EDUCATION <i>L. Dantas, C. Galego, J. Oliveira, E. Santo, M. Costa, M.J. Rios, R. Lambo, R. Lobão</i>	4734
A PATTERN TO DESIGN AND DEVELOP LEARNING SOLUTIONS IN COMPANY ENVIRONMENT <i>M. Norscini, P.G. Rossi, M. Amicucci</i>	4735
IMPROVING LABORATORY SESSIONS FOR ENGINEERING STUDIES BY USING ICT <i>D. León, V. Valiño, B. Castells, D. Serrano-Jiménez, I. Amez, J.M. Guerrero, Y. Sánchez-Palencia, B. Biosca</i>	4744
THE IMPACTS OF COVID-19 POLICES AND PRACTICES ON OUR MOST VULNERABLE STUDENTS: EXPANDING THE CONVERSATION ON SYSTEMIC EDUCATIONAL INEQUITIES IN THE US <i>E.D. Cramer, M. Little</i>	4752
ONLINE EMOTIONS ON DISTANCE LEARNING: AN ANALYSIS DURING THE COVID-19 PANDEMIC <i>M.E. Soares Carvalho, D.M. dos Santos, T.B. Pontes, G. Lobato Ferreira de Miranda</i>	4759
EXPERIENCES IN DIGITALIZATION OF MATHEMATICS LEARNING IN HIGHER EDUCATION <i>B. Joksimoski, A. Popovska-Mitrovikj, V. Dimitrova, I. Chorbeo</i>	4765
«... I LEARN THE MOST WHEN I HAVE SOMEONE TO PRACTICE WITH» - STUDENTS' EXPERIENCE WITH ONLINE TEACHING FROM AFTER AND FURTHER EDUCATIONS <i>J.E. Ølnheim, A.G. Nilsen</i>	4773
A FRAMEWORK FOR THE DEVELOPMENT OF EDUCATIONAL GAMES <i>J. Klerck, T. Benadé, J. Liebenberg</i>	4774
THE USE OF SHADOW THEATER TO PROMOTE THE MOTIVATION OF CHILDREN WITH AUTISM SPECTRUM DISORDERS TO ENGAGE IN EDUCATIONAL ACTIVITIES <i>J. Mudėnienė</i>	4783
OPEN MINDSET AS A LINK BETWEEN CLASSIC AND MODERN IN EDUCATION <i>M.R. Jianu, V. Gridan</i>	4789
TRENDS IN THE PROSOCIAL BEHAVIOUR OF UNIVERSITY STUDENTS FROM THE POINT OF VIEW OF STUDYING A SCIENCE FIELD - A REFLECTION OF CRITICAL AND MORAL REASONING <i>M. Kosturková</i>	4793
THE SOLVING STRATEGIES OF MATHEMATICAL TASKS USED BY PROSPECTIVE PRIMARY EDUCATION TEACHERS <i>A. Prídavková</i>	4800
BLENDED LEARNING EXPERIENCE POST-COVID <i>Z. Kavazovic</i>	4806

STUDENT APPROACH TO LEARNING IN DIFFERENT MOMENTS OF FINAL SUBJECT OF A BACHELORS'S DEGREE	4815
<i>N. Andrés-Colás, M. Leiva-Brondo</i>	
INCORPORATION OF DIFFERENT AND PURPOSEFUL STUDENTS' ENGAGEMENT STRATEGIES TO ACHIEVE DEEP LEARNING EXPERIENCES	4823
<i>B. Matos, L. Gonçalves, M. Rodrigues, F. Ribeiro, V. Carlos, M. Fardilha</i>	
THE TECHNOLOGICAL AND ENVIRONMENTAL DESIGN IN THE DIDACTIC EXPERIENCE OF ARCHITECTURAL DEGREE THESIS	4824
<i>R. De Martino, R. Franchino, C. Frettoloso</i>	
MORAL COMPETENCE OF STUDENT TEACHERS IN SLOVAKIA - AN ANALYSIS IN RELATION TO THE INTEGRITY OF CRITICAL AND MORAL THINKING	4831
<i>M. Kosturková</i>	
MATHEMATICAL LEARNING THROUGH PROBLEM SOLVING: PÓLYA'S HEURISTIC METHOD IN THE TEACHING OF BASIC EDUCATION PRE-SERVICE TEACHERS	4836
<i>E. Martínez-Jiménez, A. Guerreiro</i>	
INTERNATIONAL COOPERATION AND EXTERNAL EVALUATION OF PROGRAMS LEAD TO QUALITY IMPROVEMENT	4845
<i>I. Pkhakadze, T. Kordzadze, M. Sturua, K. Kiknavelidze, R. Gvenetadze</i>	
POTATO VARIETY TESTING CONDUCTED BY BASIC VOCATIONAL TRAINING PUPILS AND PUPILS WITH FUNCTIONAL DIVERSITY FROM ADAPTED BASIC VOCATIONAL TRAINING PROGRAMS	4846
<i>T. Osorio, D.M. Peraza, A. Herrero</i>	
AN INTRODUCTION TO APPRENTICESHIP LEARNING BY TEACHING AN AGENT HOW TO PLAY A VIDEO GAME	4850
<i>V. Muñoz, A. Prados, R. Barber</i>	
QUALITY ASSURANCE SYSTEM IN A HIGHER EDUCATION CENTRE AND ITS MANAGEMENT BASED ON GOOGLE WORKSPACE TOOLS	4858
<i>J. De la Casa Cárdenas, M. Gómez González, F.J. Iglesias Godino, A.B. López García, D. Martínez Muñoz, F. Suárez Guerra, M. Valverde Ibáñez</i>	
MAKING EDUCATIONAL TECHNOLOGY ENHANCE THE COLLABORATIVE WORK IN DIFFERENT LEARNING SPACES	4867
<i>T. Talmo, R. Støckert</i>	
SPECIFICS OF DIGITAL LITERACY DEVELOPMENT DURING THE READING PROCESS IN DIGITAL LEARNING ENVIRONMENTS IN PRIMARY SCHOOL	4877
<i>M. Kerneža, M. Kordigel Aberšek</i>	
FIRST STEPS ON THE EDUCATIONAL USE OF NODE-RED AS INDUSTRIAL 4.0 MIDDLEWARE FOR AUTOMATION AND SUPERVISION DISCIPLINES	4884
<i>F.J. Folgado, I. González, A.J. Calderón</i>	
HIGHER EDUCATION STUDENTS' USE OF VERBAL AND NONVERBAL COMPONENTS IN LEARNING FROM TEXT	4891
<i>J. Kojdecká, I. Červenková, A. Hrušková, M. Václavík</i>	
PROJECT MANAGEMENT IN PUBLIC ADMINISTRATION: ICT USAGE IN THE PEDAGOGICAL PROCESS	4899
<i>Ž. Kotnik</i>	
THE STATE OF OPEN EDUCATIONAL RESOURCES (OER) IN SWEDISH HIGHER EDUCATION: A CASE STUDY	4908
<i>S. Arveklev, W. Jobe</i>	
IMPROVING PEDAGOGICAL PRACTICES THROUGH EMPIRICAL EVIDENCE: REPORTING ON INSTRUCTOR TRAININGS INVESTIGATING EDUCATIONAL TECHNOLOGY IN COLLABORATIVE WORK	4918
<i>T. Talmo, A. Valenti, M. Sapountzi, N. Navarro, A. Tsiakara</i>	
IOT SOFTWARE FOR INDUSTRIAL MONITORING IN SUPERVISORY SYSTEMS COURSE: INITIAL EXPERIENCE WITH GRAFANA	4925
<i>I. González, A.J. Calderón, F.J. Folgado</i>	
ECOTRAINING EDUCATION FOR YOUNG PEOPLE IN SOCIAL VULNERABILITY IN BRAZIL	4932
<i>S. Andrade, V. Simao, V.L. Silva</i>	
SOCIAL INNOVATION TRAINING AND INTERGENERATIONAL CO-DESIGN FACING THE CHALLENGE OF LONGEVITY	4938
<i>N. Gerbaudo-González, S. Feijóo-Quintas, M. Gando-y-Crego, M.C. Gutiérrez-Moar, M.J. Diz-López, D. Facal</i>	

TECHNICAL, EMOTIONAL AND FINANCIAL PROBLEMS ASSOCIATED WITH ONLINE LEARNING DURING THE COVID-19 PANDEMIC - A CASE STUDY IN THE CZECH REPUBLIC	4946
<i>M. Beranová, M. Navrátilová</i>	
CREATING COMIC-STYLE IMAGES USING DEEP LEARNING-BASED TEXT-TO-IMAGE MODELS TO MAKE SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) DISCIPLINES ACCESSIBLE TO THE YOUNG GENERATIONS	4947
<i>V. Rodríguez-Ruiz, D. Garnacho, D. Moratal</i>	
ARE THE CHALLENGES OF A NON-DIGITALIZED THESIS PROCESS TRANSCULTURAL?	4955
<i>A. Lagstedt, C. Aboagye Da-Costa, K. Tsupari, L. Leite</i>	
TEACHING TECHNOLOGY OF ARCHITECTURE BOTH IN MASTER'S DEGREE AND DEGREE COURSE: COMPARING EXPERIENCES	4961
<i>R. Franchino, C. Frettoloso, S. Rinaldi</i>	
DIAGNOSIS OF TRAINING IN SUSTAINABLE DEVELOPMENT GOALS IN THE HIGHER TECHNICAL SCHOOL OF INDUSTRIAL ENGINEERING (ETSII)	4969
<i>M. Martínez-Gómez, S. Gallardo, J.F. Villanueva, M. Sancho, C. Lull, A. Estes, A. Vallés-Lluch, A. Lapuebla-Ferri, M.M.E. Alemany, A. Ortíz</i>	
USING ORACLE QUERY PLAN FOR AUTOMATED ASSESSMENT OF SQL	4978
<i>D. Nelson, K. McGarry, M. Proud</i>	
THE EFFECT OF A GESTALT PERSONAL DEVELOPMENT GROUP PROGRAM ON UNDERGRADUATE STUDENTS' AWARENESS LEVELS, EMOTIONAL INTELLIGENCE, AND LIFE SATISFACTION	4983
<i>A. Kyvelou, G. Tsitsas</i>	
DIAGNOSIS OF AWARENESS OF THE SUSTAINABLE DEVELOPMENT GOALS AMONG STUDENTS AND LECTURERS IN HIGHER EDUCATION ENGINEERING SCHOOL	4990
<i>A. Estes, C. Lull, A. Lapuebla-Ferri, J.F. Villanueva, M. Sancho, S. Gallardo, A. Vallés-Lluch, M. Martínez-Gómez, M.M.E. Alemany, A. Ortiz</i>	
MEASUREMENT OF ELECTRICAL POWER AND ENERGY WITH A SMART METER	5000
<i>N. Paunkov, R. Popov, A. Parushev, A. Chekichev, S. Lyubomirov</i>	
A PERSPECTIVE ON STUDENT PERFORMANCE IN ARCHITECTURE AND DESIGN EDUCATION	5009
<i>S.A. Lörincz</i>	
HOW TO FACILITATE CO-CREATION DURING ERASMUS+ MOBILITY FOR STUDENTS AND STAFF	5015
<i>M. Örnekoğlu Selçuk, M. Emmanouil</i>	
MEASURING DIGITAL LITERACY AND ICT: HIGH SCHOOL VIRTUAL CLASSROOM DURING THE COVID-19 LOCKDOWN, CASE OF CHILE	5024
<i>A. Llorens</i>	
STRENGTHENING STUDENTS' KNOWLEDGE ABOUT CLIMATE CHANGE EFFECTS	5032
<i>M. Titko, J. Studená, M. Luskova</i>	
THE RELATIONSHIP BETWEEN PSYCHOLOGICAL RESILIENCE AND CAREER ADAPTABILITY IN UNIVERSITY STUDENTS	5039
<i>G. Sart, F.H. Sezgin</i>	
THE ECONOMIC IMPORTANCE OF THE LEVEL OF FINANCIAL EDUCATION IN SLOVAKIA AND HOW TO IMPROVE IT	5046
<i>L. Kontrova, I. Ilavská, J. Gazdíkova</i>	
ATTEMPT TO USE RFCDC DESCRIPTORS IN COMMUNICATION-RELATED COURSES OF JAPANESE UNIVERSITIES	5054
<i>K. Matsumoto</i>	
DEVELOPMENT OF AN IMMERSIVE ENVIRONMENT FOR PRE-SERVICE TEACHER TRAINING	5055
<i>V. Duffek, P. Hořejší, P. Mentlík, J. Polcar, T. Průcha, L. Rohlíková, M. Zíka</i>	
STATISTICAL RESEARCH ON UNIVERSITY STUDENTS' PERCEPTIONS OF DATING VIOLENCE	5063
<i>G. Sart, F.H. Sezgin, İ.Y. Keskin, M. Sari, Z. Girgin</i>	
LEARNING ABOUT CLIMATE CHANGE ADAPTATION BY ANALYSIS OF GOOD PRACTICE FROM THE WORLD	5069
<i>S. Strelcová, M. Titko</i>	

THE EFFECTS OF PARENTAL ATTITUDE AND FAMILY FUNCTIONING ON EMOTIONAL INTELLIGENCE IN UNIVERSITY STUDENTS <i>G. Sart, F.H. Sezgin, A.E. Aslan</i>	5076
BUILDING AN EDUCATIONAL APP TO SUPPORT PHYSIOTHERAPY PRACTICE IN ACUTE CARE <i>A. Alves Lopes</i>	5084
MAINTAINING THE EFFECTIVENESS OF UNIVERSITY-INDUSTRY- SCIENCE COLLABORATION <i>M. Ruseva, M. Dakova, A. Erturk, V. Zhekova</i>	5089
FROM STUDY GUIDANCE AT HIGH SCHOOL TO ENGINEERING EDUCATION: 3 STEPS INTO SOFT SKILLS <i>V. Rodriguez-Ruiz, D. Viseur, S. Falempin</i>	5090
THE CONCEPT OF ENGAGEMENT IN TECHNOLOGY-SUPPORTED HIGHER EDUCATION DURING THE COVID-19 PANDEMIC: A BIBLIOMETRIC STUDY <i>E. Trombeta de Oliveira, M. Cristina Garbin, S. Caliani Zamparoni, A. Claudia Martins Rosa, C. Regina Pinto</i>	5097
PROBLEM-PUZZLE ACTIVITY TO BOOST THE COOPERATIVE LEARNING OF QUANTITATIVE METHODS IN THE DEGREE IN INDUSTRIAL ORGANISATION ENGINEERING <i>A. Estesio, M.M.E. Alemany, L. Ruiz, A. Boza</i>	5105
THE DEVELOPMENT OF TEACHERS' APPROACH TO DISTANCE EDUCATION IN SOME SLOVAK SECONDARY VOCATIONAL SCHOOLS AND THE POSSIBILITIES OF PEDAGOGICAL PRACTICE IN THE CASE OF ONLINE EDUCATION OF PUPILS <i>T. Varadyová</i>	5112
METHODOLOGY FOR THE INCORPORATION OF THE SUSTAINABLE DEVELOPMENT GOALS IN BACHELOR'S AND MASTER'S THESES <i>F. Alarcón, M.A. Rodríguez-Sánchez, M. Fernández-Diego, A. Estesio</i>	5117
THE PROMOTION OF TEACHING EXCELLENCE VIA AN ASYNCHRONOUS MOODLE COURSE <i>D. Archan, C. Egger</i>	5125
CIRCUITS OF HIGHER EDUCATION TEACHING POWER (CHETP): A SYSTEMIC PERSPECTIVE OF ONLINE TEACHING INNOVATION <i>R. Quilling</i>	5133
INTERACTION ANALYSIS OF ONLINE UNIVERSITY LESSONS <i>R. Miháliková, M. Mesárošová</i>	5134
HOW TO DESIGN ENGAGING LEARNING EXPERIENCES WITH SOCIAL ROBOTS? RESULTS FROM A JOINT EDUCATION PROJECT ON LEARNING DESIGNS WITH SOCIAL ROBOTS WITH AN EXAMPLE OF "TRAINING FOR FIRST VOTERS" <i>I. Buchem, M. Leiba</i>	5140
THE IMPACT OF STUDENTS' EMOTIONAL WELL-BEING ON ACADEMIC PERFORMANCE IN THE POST COVID ERA <i>E. Pipia, M. Chkotua, N. Parjanadze, M. Bandzeladze, I. Mesiridze, N. Tvalchrelidze, M. Razmadze</i>	5150
A TALE OF TWO PANDEMICS, COVID-19 AND MACROAGGRESSION: THE IMPACT OF CORONAVIRUS DISEASE ON THE SUCCESS OF BLACK AND BROWN COLLEGE STUDENTS <i>T. Gallon, R. Johnson</i>	5160
CREATING AR-BASED AUDIOVISUAL MATERIALS FOR ONLINE LANGUAGE LEARNING <i>P. Elhazaz, A. Magnet, G. Moody</i>	5167
IMPLEMENTATION OF THE PROTON MODEL IN IMPROVING ELEMENTARY SCHOOL STUDENTS WRITING SKILLS <i>F. Jannah, R. Fahlevi, R. Sari, R. Radiansyah, Y. Yuda, P.M. Puspita, M. Zefri</i>	5168
ONLINE CHEATING PREVENTION MECHANISMS IN HIGHER EDUCATION: HAVE THE METHODS CHANGED POST-PANDEMIC? <i>K. Adzima</i>	5176
ACCREDITATION AND ASSESSMENT OF SINO-FOREIGN COOPERATIVE HIGHER EDUCATION PROGRAMME <i>L.M. Yu</i>	5177
HAS INCREASED USE OF DIGITAL APPLICATIONS BOOSTED PRIMARY SCHOOLCHILDREN'S READING COMPREHENSION AND AUTONOMY SKILLS? <i>E. Pipia, I. Chikovani</i>	5185

A STUDY ON LEADERSHIP IN UNCERTAIN TIMES: STRATEGIES AND SKILLS <i>V. Gaur</i>	5192
DESIGNING A 360° LEARNING ENVIRONMENT FOR THE DEVELOPMENT OF SOFT SKILLS <i>E. De Bruyne, E. Van Den Broeck, S. Chaoui, S. Govaerts</i>	5201
UNIVERSITY ORIENTATION COURSE FOR FIRST-YEAR COMPUTER SCIENCE STUDENTS <i>M. Paales, H. Hein</i>	5210
SELF-EFFICACY AS A SOCIOEMOTIONAL COMPETENCY WITHIN ARCHITECTURE EDUCATION <i>P. Miguel-Sin, S. Domínguez Gil, A. San José Cabrero, G. Ramírez Pacheco</i>	5216
ADAPTING SELFIEFORTEACHERS TO FACILITATE THE DIGITAL COMPETENCE OF EARLY CHILDHOOD EDUCATION AND CARE PROFESSIONALS <i>G. Kapsalis, A. Economou</i>	5223
BOARD GAME AS A TOOL FOR BULLYING PREVENTION IN SCHOOLS <i>J. Gravitis, A. Freimane</i>	5224
VIRTUAL EXCHANGE AS FACILITATOR OF “JOINTNESS” IN EUROPEAN JOINT MASTER IN SOCIAL WORK WITH CHILDREN AND YOUTH (ESWOCHY) <i>J. Pivoriene, R. Bardauskiene</i>	5230
INCREASING THE PUBLICATION ACTIVITY OF MASTER'S STUDENTS: THE CASE OF LOMONOSOV MOSCOW STATE UNIVERSITY <i>S. Shchelokova, V. Vertogradov</i>	5236
EQUALS-EU: EMBRACING GENDER EQUALITY AND DIVERSITY TO FOSTER STEM CAREERS AND SOCIAL INNOVATION <i>C. Matera, S. Spada, S. Tagmat</i>	5240
VIRTUAL BENCH FOR REMOTE MEASUREMENT OF THE SPECIFIC HEAT CAPACITY OF AIR <i>A. Parushev, A. Chekichev, N. Paunkov, R. Popov, S. Lyubomirov</i>	5248
THE USE OF AUGMENTED REALITY IN THE AFTER SCHOOL CLUB FROM THE POINT OF VIEW OF FUTURE EDUCATORS <i>L. Korenova, E. Severini, I. Cavojsky</i>	5254
STRENGTHENING ADULT READER PROFILES: RESULTS OF AN EXPLORATORY RESEARCH <i>A. Morini, G. Moretti</i>	5264
FACILITATING LEARNING GLOBAL HEALTH AND SUSTAINABILITY IN UNDERGRADUATE STUDENTS THROUGH A COLLABORATIVE INTERNATIONAL VIRTUAL EXCHANGE EXPERIENCE <i>M. Pascual</i>	5271
ENGAGING LEARNERS WITH A NEW BILINGUAL LEARNING ENVIRONMENT TO EXPLORE HUMAN ANATOMY: AN ITERATIVE DEVELOPMENT PROCESS TO GO FROM INTERACTING WITH 2D IMAGES TO IMMERSIVE VIRTUAL REALITY <i>D. Vergote, M. Pellerin</i>	5276
MAGNETIC FIELD MEASUREMENT WITH MICROPROCESSOR PLATFORM WITH INTELLIGENT SENSOR <i>N. Paunkov, R. Popov, A. Chekichev, A. Parushev, S. Lyubomirov</i>	5282
EVENT TECHNOLOGY AS A MEANS OF ORGANIZING EXTRACURRICULAR ACTIVITIES IN TEACHING ENGLISH AT UNIVERSITY <i>E. Chelpanova, V. Moshkovich, F. Zakirova, E. Bystray, A. Shabalina</i>	5290
LINKING EDUCATION AND RESEARCH AROUND A “LAB RIVER”: A MULTIDISCIPLINARY EXPERIENCE <i>A. Sordo-Ward, M.D. Bejarano, P. Bianucci, A. Iglesias</i>	5295
FROM DIGITAL TO PHYSICAL TWIN: AN INNOVATIVE DESIGN METHODOLOGY FOR FUTURE CREATIVES <i>L. Temuta, B. Rossato, A. Cappellieri</i>	5301
TILE-BASED PROGRAMMING LANGUAGES AND VIRTUAL ENVIRONMENTS FOR PROGRAM CODES SIMULATION <i>K. Czakóová, L. Vég</i>	5308
INTERDISCIPLINARITY AS A MEANS TO IMPROVE COLLABORATION AND KNOWLEDGE EXCHANGE BETWEEN UNIVERSITIES AND SOCIETY TO ADDRESS SOCIETAL CHALLENGES <i>A. Spithoven</i>	5314

COMPUTER TOOL TO GENERATE RAINFALL DATA FOR EDUCATIONAL PURPOSES IN SPAIN (PLUGEN) <i>A. Sordo-Ward, M.D. Bejarano, I. Gabriel-Martin, L. Garrote</i>	5315
WORKING WITH VICTIMS OF DOMESTIC VIOLENCE IN WESTERN ROMANIA: THE ROLE OF LIFELONG LEARNING FOR PROFESSIONALS <i>R. Ungureanu, M. Tomita</i>	5322
RELATIONSHIP BETWEEN THE USE OF THE VIRTUAL CAMPUS (MOODLE) AND ACADEMIC PERFORMANCE: FIRST-YEAR STUDENT PROFILES <i>P. Aparicio-Chueca, X. Triadó-Ivern, J. Callejo-Blanco</i>	5323
POSSIBILITIES OF USING GAMES IN TEACHING AND LEARNING THE BASIC CONCEPTS OF OBJECT-ORIENTED PROGRAMMING <i>L. Végh, K. Czakóová</i>	5329
EXTENDED REALITY AS AN EDUCATIONAL TOOL FOR HIGHER EDUCATION INSTITUTIONS <i>Y. Daineko, M. Ipalakova, D. Tsoy, Z. Bolatov</i>	5335
TEACHING ENGINEERING SUBJECTS FOR NON-ENGINEERING HIGH SCHOOL STUDENTS USING PROJECT-BASED LEARNING APPROACH <i>R. Čermák, V. Mašek, D. Fait</i>	5340
OCEAN LITERACY EDUCATION: COLLABORATION OF PRE-SERVICE, IN-SERVICE TEACHERS AND ELEMENTARY STUDENTS IN SUSTAINABLE ACTIONS <i>D. Boaventura, F. Silva, B. Vaudano, A.T. Neves, M. Oliveira</i>	5345
USE OF LOW-COST TECHNOLOGY IN FINAL DEGREE PROJECTS FOR THE TRAINING OF ENGINEERS IN THE FRAMEWORK OF INDUSTRY 4.0: A CASE STUDY OF A MOBILE ROBOT PROTOTYPE FOR FUSED DEPOSITION MODELLING <i>L.M. Belmonte, E. Segura, A. Fernández-Caballero, A. Lucas, R. Morales</i>	5351
FROM CRISIS TO POSSIBILITY: COLLABORATION IN INITIAL TEACHER EDUCATION <i>D. Barr, P. Eaton, M. Hagan, J. Nelson</i>	5361
UNIVERSITY EUROPEIA'S ACADEMIC MODEL: NEW TRENDS AND EXPERIENCES <i>P.N. Vieira, C. Correia Leal, R. Morais</i>	5370
ARTIFICIAL INTELLIGENCE TRAINING OF FUTURE INDUSTRY 4.0 ENGINEERS USING LEGO MINDSTORMS IN FINAL DEGREE PROJECTS: AUTONOMOUS VEHICLE PROTOTYPE AS CASE STUDY <i>L.M. Belmonte, E. Segura, A. Fernández-Caballero, F. Vigo-Bustos, A.S. García, R. Morales</i>	5371
ELEMENTS CHARACTERIZING THE QUALITY CULTURE OF A UNIVERSITY FROM THE DIFFERENT PERSPECTIVE OF TEACHERS, STUDENTS AND STAFF <i>L. Mion</i>	5381
LITERACY IN TRAINING FUTURE PRIMARY SCHOOL TEACHERS <i>L. Mara</i>	5390
IITU EXPERIENCE OF MOOCS USE IN THE EDUCATIONAL PROCESS <i>Y. Daineko, A. Mustafina, N. Nalgozhina, Z. Bolatov</i>	5396
DEFINITION OF PROFESSIONAL COMPETENCE PROFILES AS A KEY INSTRUMENT IN TRAINING PROGRAMS FOR EMPLOYMENT: EXPERIENCE IN A PUBLIC ADMINISTRATION <i>F. Berrocal Berrocal, D. Alonso Hernán, P. Sanz Gómez</i>	5402
CHALLENGE-BASED LEARNING AS A PROMOTER OF SUSTAINABILITY AND CREATIVITY IN HIGHER EDUCATION: AN EVALUATIVE STUDY <i>P.N. Vieira, L. Faria</i>	5403
EMPOWERING INQUIRY-BASED LEARNING IN SHORT COURSES FOR PROFESSIONAL STUDENTS <i>K. Martin, M. Zarb, R. McDermott, T. Young</i>	5404
ANALYSIS OF LEARNING STYLES OF STEM STUDENTS <i>V. Čotić-Poturić, I. Dražić, I. Lulić</i>	5410
MEDICAL STUDENTS AS TEACHERS (MSAT) - EXAMINING THE ROLE THAT FINAL YEAR STUDENTS CAN PLAY IN THE TUTORING OF JUNIOR PEERS <i>H. Knifton, J. Hodson, R. Breare, M. McCarthy</i>	5417
APPLYING THE CONCEPT OF ORGANIZATIONAL LEARNING FOR LEADING INCLUSION IN A MAINSTREAM SCHOOL <i>M. Kokare, D. Nimante</i>	5418
GENDER PERSPECTIVES IN TEACHING: ERASMUS+ PROJECT "GIRLS GO STEM" <i>V. Čotić-Poturić, A. Bašić-Šiško, I. Dražić</i>	5428

VIRTUAL REALITY FOR DEBATING AT SCHOOL: PRELIMINARY FINDINGS FROM A PILOT PROJECT IN ITALY <i>A. Benassi, E. Mosa, S. Panzavolta</i>	5432
LIGHTING AS A TOOL TO SUPPORT ADHD STUDENTS: THE EFFECT OF ILLUMINANCE ON MEMORY IN UNIVERSITY STUDENTS <i>S.E. Cabriales-Orozco, M.L. Nolé, J.L. Higuera-Trujillo</i>	5438
E-PORTFOLIOS AND THE BEGINNING DESIGN STUDENT <i>C. Fulford, R. Nobles</i>	5445
ANALYZING THE POSSIBILITY OF INTRODUCING AGILE METHODOLOGIES TO STUDENT ORGANIZATION PROJECT MANAGEMENT <i>T. Gavrilović, O. Pantelić, S. Krstović, M. Martić</i>	5446
APPLICATION OF I LIVING LAB AS AN EDUCATIONAL APPROACH FOR REAL PROBLEM RESOLUTION: MICROALGAE CULTIVATION USING ROBOTICS TECHNOLOGY <i>C.A. Santos, V. Ciupe</i>	5453
ANIMAL WELFARE DURING NATURAL DISASTERS: PREPARING VETERINARY SERVICES IN THE TIME OF COVID-19 <i>C. Albanello, P.F. Dalla Villa, A. Falconi, D. Morelli, F. Pompei, S. D'Albenzio</i>	5460
DEVELOPMENT OF PROFESSIONAL COMPETENCES IN UNIVERSITY STUDENTS THROUGH STRATEGY GAMES <i>M.A. Alonso García, F. Berrocal Berrocal, D. Alonso Hernán, M.A. Gómez Flechoso, A.A. Sánchez Ruiz-Granados, M. Castrillón López</i>	5469
A MICROLEARNING APPROACH BY THE # ESTUDOEMCASA APOIA PROJECT <i>C. Torres, H. Liberato, A. Fernandes, L. Brito, M. Covas</i>	5470
THE IMPACT OF SERVICE LEARNING ON PEDAGOGICAL HIGH SCHOOLERS' PROFESSIONAL COMPETENCIES FORMATION <i>D. Grigor, M.D. Bocoş-Binţinţan</i>	5475
LEAN AND SAFETY CHRONIC CARE: FIRST PROJECTS FROM A SPANISH HOSPITAL <i>A. Tiso, M. Torrego, M.F. Morales Contreras, C. Verbano</i>	5482
DEVELOPING A 3D HUMAN ANATOMY APPLICATION IN VIRTUAL REALITY: AN ITERATIVE DESIGN APPROACH INVOLVING STUDENTS' VOICES IN MAKING LEARNING ENVIRONMENTS MORE INCLUSIVE IN THE DIGITAL ERA <i>M. Pellerin, D. Vergote</i>	5488
REELCHART: A TOOL FOR THE EXPLORATION OF VIDEO FOOTAGE IN THE CONTEXT OF ENGAGED RESEARCH-LED TEACHING <i>L. Draisci, G. Colombo</i>	5489
AGE CONDITIONED ONLINE RESEARCH AND COMPREHENSION SKILLS IN PRIMARY SCHOOL STUDENTS <i>M. Kordigel Aberšek, M. Kerneža</i>	5496
INTERACTIVE EXPERIMENTS AS A TOOL TO ATTRACT YOUNG STUDENTS TO STEM EDUCATION <i>V. Vasconcelos, P. Amaro, E. Bigotte, R. Almeida, L. Marques</i>	5505
DEVELOPMENT OF STUDENTS' DISCUSSION SKILLS THROUGH COMMUNICATIVE TASKS <i>F. Zakirova, E. Chelpanova, V. Moshkovich, E. Bystray, A. Shabalina</i>	5510
EMPOWERING CRITICAL THINKING WITHIN A CLIL SETTING <i>M. Sepešiová</i>	5515
FOSTERING A MULTIMODAL APPROACH TO UNDERSTANDING A LANGUAGE <i>M. Sepešiová</i>	5520
ETHICAL-CIVIC-TRANSNATIONAL DIMENSION IN TEACHING-LEARNING PROCESSES: THE EDUCATIONAL WAY OF DIALOGUE IN THE SCHOOL OF THE 21ST CENTURY <i>M. Cerrato, E. Fortunato</i>	5526
AN EXPLORATORY ANALYSIS OF MOTIVATIONS FOR ENROLLING IN ONLINE COURSES BY TRADITIONAL STUDENTS <i>J. Reardon, R. Law, D. McCorkle, M. Martin</i>	5535
VIRTUAL BENCH FOR REMOTE MEASUREMENT OF AIR FLOW VELOCITY IN A DUCT THROUGH A PITOT TUBE <i>A. Parushev, A. Chekichev, S. Lyubomirov, R. Popov, N. Paunkov</i>	5536

FIRST DAY OF CLASS: WHAT I HAVE TO TELL MY STUDENTS AND WHAT MY STUDENTS EXPECT FROM ME. ARE WE ABLE TO PUT OURSELVES IN STUDENTS' SHOES?	5542
<i>M. Milani</i>	
INNOVATION, CREATIVITY AND ENTREPRENEURSHIP: EDUCATIONAL IMPROVEMENT PLAN FOR DEVELOPING NEW LEARNING ACTIVITIES AT UPV	5548
<i>A. Llorca Ponce, E. Navarro Astor, G. Rius-Sorolla</i>	
TEACHING TERMINOLOGY OF SCIENCE	5553
<i>I. Cibíková, B. Petrášová</i>	
USING MATLAB GRADER FOR FORMATIVE FEEDBACK IN ENGINEERING DEGREES	5563
<i>I. Tejado, C. Nuevo-Gallardo, R. de la Encarnación-Sama, E. Pérez, B.M. Vinagre</i>	
THE 64 MILLION DOLLAR QUESTION: IS EFFECTIVE USE OF SELF DEVELOPMENT TIME A MARKER OF SUCCESSFUL ARCP OUTCOMES?	5574
<i>B. Yussuf, R. Winston</i>	
ANALYSIS AND RESEARCH OF CRYPTOGRAPHIC MODELS TO ENSURE INFORMATION SECURITY IN ENGINEERING EDUCATION	5578
<i>I. Uzunov, S. Lyubomirov</i>	
DOES CRISIS HAVE A SILVER LINING? A CASE STUDY OF LEADERSHIP EXPERIENCE IN HANDLING THE COVID-19 PANDEMIC IN HIGHER EDUCATION INSTITUTION	5584
<i>S. Jayadevappa, J. Doreswamy</i>	
NETWORKED INFORMATION SYSTEMS RESEARCH ON SECURITY IN ENGINEERING EDUCATION	5589
<i>I. Uzunov, S. Lyubomirov</i>	
LEARNING AND TEACHING DURING A TIME OF CRISIS	5599
<i>D. Vyortkina</i>	
GREEN IT STRATEGIES AND PRACTICES IN HIGHER EDUCATION	5605
<i>D. Vyortkina, R. Stys</i>	
SURPRISE AND DELIGHT: APPLICATION OF A SERVICE QUALITY MODEL TO LANGUAGE TEACHING	5616
<i>J. Blake</i>	
THE BENEFITS OF OUTDOOR EDUCATION FOR CHILDREN AGED 5-12 YEARS FROM THE PARENTS' PERSPECTIVE	5624
<i>I. Hergan, A. Žerovnik, K. Susman</i>	
DEVELOPMENTS FOR THE CONTRIBUTION BY THE NEW TECHNOLOGIES IN THE RIGHT TO EDUCATION - AN EUROPEAN LAW APPROACH	5630
<i>M.M. Silva, D. Alves, M.J. Ferreira</i>	
FROM SCIENCE COMMUNICATION TO SCIENCE EDUCATION: THE EDUCATIONAL ASSESSMENT OF AN OUTREACH ORIENTED SCIENCE CENTER	5638
<i>I.A. Costa, R. Cardoso Reis, F. Bessa Almeida, I. Monteiro</i>	
SCIENTIFIC SKILLS IN EDUCATION: PRE-SERVICE TEACHERS' POINT OF VIEW	5645
<i>A. Nejedlý, K. Vojř</i>	
DIGITAL HUMANS FOR TEACHER EDUCATION: A 3D CONVERSATIONAL AI AGENT-BASED PLATFORM AS A FACILITATOR TO DEVELOP ORAL COMMUNICATION SKILLS IN FUTURE TEACHER EDUCATION IN GERMANY	5646
<i>E. Afzal, J. Fecke, E. Braun</i>	
LEARNING MENTAL CALCULATION IN LUDODIDACTIC ACTIVITIES	5647
<i>A. Amirante, L. Tortorelli, I. Veronesi</i>	
EPIK2 QUIZ: AN EXAMPLE OF EFFECTIVE COLLABORATIVE LEARNING ACTIVITY	5655
<i>A. Amaral da Silva, C. Morgado, F. Barbosa</i>	
SUPPORTING STUDENTS' MOTIVATION: THE PATHWAY BETWEEN PARENTS AND TEACHERS AUTONOMY SUPPORT AND STUDENTS' ACHIEVEMENT	5665
<i>S. Germani, T. Palombi, A. Chirico, G. Asquini, F. Alivernini, F. Lucidi</i>	
A CRITICAL REVIEW OF THE STATE OF EDUCATION IN GOVERNMENT SCHOOLS IN INDIA	5672
<i>A. Choudhary</i>	
IS THE POSITIVE ILLUSORY BIAS AGE-RELATED? EXAMINING DISCREPANT SELF-PERCEPTIONS OF ACADEMIC COMPETENCE IN MIDDLE-SCHOOL STUDENTS WITH AND WITHOUT ADHD	5676
<i>P. Škobrtal, I. Benešová, Z. Stránská, R. Pospíšil, M. Novotný</i>	

PROFESSIONAL LEARNING COMMUNITIES - PROFESSIONALIZING TEACHING CAREERS <i>D. Mara</i>	5684
POTENTIAL PROBLEMS OF ADULT EDUCATION IN TODAY'S HUNGARIAN VOCATIONAL EDUCATION AND TRAINING <i>L. Szabó, K. Szabó, J. Udvaros, N. Forman</i>	5689
MINIMIZING EDUCATIONAL DISRUPTIONS IN DISADVANTAGED SCHOOLS THROUGH EU-FUNDED PROJECTS <i>M.C. Grigoriu, C. Ţurcanu</i>	5693
THE DADA MODEL (DIDACTICS FOR LEARNING ENVIRONMENTS): A PEDAGOGICAL INNOVATION IN THE ITALIAN SCHOOL CONTEXT <i>S. Germani, C. De Santis</i>	5700
INTEGRATION OF INSTRUMENTATION EQUIPMENT IN A REMOTE ELECTRONICS LABORATORY <i>M.A. Domínguez, R. Pérez-Aloe, J.M. Carrillo, J.L. Ausín, J.F. Duque-Carrillo</i>	5707
MANAGEMENT AND ORGANIZATION OF CHANGE PROCESSES IN DIGITAL TRANSFORMATION OF HEALTHCARE: THE ROLE OF WORKPLACE LEARNING <i>A. Svensson, L. Aggestam, H. Vallo Hult</i>	5714
POST-HEALTH EMERGENCY MICRO-PLANNING IN INTEGRATED PRE-SCHOOLS AND KINDERGARTENS SYSTEM: A CASE STUDY <i>G. Moretti, A. Morini, B. Briceag, A. Gargano</i>	5721
AN ETHNOGRAPHIC RESEARCH ON THE EDUCATIONAL MARKETING ENVIRONMENT IN RURAL ROMANIA DURING THE COVID PANDEMIC 19 <i>M.C. Grigoriu, C. Ţurcanu</i>	5727
THE ISSUE OF DIGITAL COMPETENCES IN LOGISTICS TECHNICIAN TRAINING IN HUNGARY <i>L. Szabó, K. Szabó, N. Forman, J. Udvaros</i>	5735
SYNCHRONOUS CONFERENCING SOFTWARE-ASSISTED TEACHING & LEARNING: PRELIMINARY LESSONS FROM AN INTER-INSTITUTIONAL FACULTY GROUP IN QATAR <i>R. Bianchi, A. Weber, B. Yyelland, R. Ghanam, K. Kittaneh, W. Zaghouani</i>	5739
CHALLENGING BARRIERS TO LEARN, THROUGH ACESO METHODOLOGY <i>N. Samar Brenčič, O. Cramariuc, I. Mocanu, D. Rudel, K. Piotrowicz</i>	5745
LEARNING ORGANISATIONAL RESILIENCE THROUGH THE CONTINUITY PROJECT <i>R. Sanchis, M. Arias-Vargas, R. Poler</i>	5746
SIMULATION IN EDUCATION OF HEALTH PROFESSIONS: A DESCRIPTIVE ANALYSIS THROUGH BIBLIOMETRICS <i>A. Alves Lopes</i>	5754
ELECTRONIC HEALTH CARE IN SLOVAKIA FROM THE PERSPECTIVE OF PHARMACISTS <i>I. Štempelová, O. Takáč, D. Hirjaková, M. Fedorová</i>	5758
PRE-SERVICE TEACHERS' PERCEPTION OF THE MULTILINGUAL READERS THEATER (MELT) <i>A. Kiani</i>	5767
PRIMARY SCHOOL TEACHERS' COMPETENCE IN APPLICATION OF INFORMATION AND COMMUNICATION TECHNOLOGIES AND ITS DEVELOPMENT <i>J. Lenkauskaitė, E. Masiliauskiene, K. Kondrataviciute</i>	5774
TEACHERS PROFESSIONALS' PERCEPTION OF HIGHLY SENSITIVE PEOPLE: A QUALITATIVE APPROACH <i>N. Albaladejo-Blázquez, M. Baryła-Matejczuk, R. Ferrer-Cascales, M. Fernández-Alcántara, M. Rubio-Aparicio, B. Costa-López, N. Ruiz-Robledillo</i>	5783
INFOGRAPHICS AS A POST-PANDEMIC DIDACTIC RESOURCE <i>M.A. Carballo-Ontiveros, A.A. Mendoza-Amador, A.N. Castañeda-Sortibrán</i>	5788
STUDENT USE OF INTERACTIVE TECHNOLOGY IN LARGE FACE-TO-FACE LECTURES POST-PANDEMIC – ISSUES AND OPPORTUNITIES <i>C. Holtham, M. Rich, L. Huang</i>	5792
MODERN ONLINE TEACHING TECHNIQUES AND THEIR EFFECT ON STUDENTS IN HIGHER EDUCATION DURING THE SECOND WAVE OF THE COVID-19 PANDEMIC AT J. SELYE UNIVERSITY IN SLOVAKIA <i>I. Szenczióvá, E. Tóthová Tarová, S. Darvay, M. Nagy, P. Balázs, Z. Fehér</i>	5801

A TOOL FOR MEASURING EDUCATIONAL GAME QUALITY <i>J. Liebenberg, J. Klerck</i>	5808
EXPRESSION OF CITIZENSHIP COMPETENCE BY 3RD TO 6TH GRADE STUDENTS (CONTEXT OF LITHUANIA) <i>A. Vaitkevičienė, A. Širiakovienė, E. Masiliauskienė, G. Stonkuvienė</i>	5818
ENSURING QUALITY HEALTHCARE PRACTICE FOR DOCTORS AND MEDICAL ALLIED PROFESSIONALS THROUGH A DIGITAL INTERACTIVE AUDIT PLATFORM <i>F. Papamalis, S. Cunningham, P. Hodges, A. Grochowska, A. Stefanowicz-Kocol, I. Poulourtzidis, M. Lillo-Crespo, M. Nikolaidou, S. Ko, V. Höijer-Brearr, M. Törne, Z. Tilley Zoe, S. Feliciano, S. Konstantinidis, D. Spachos, P. Bamidis</i>	5825
FULLY REMOTE CONTROLLABLE OPTICS EXPERIMENT FOR UNIVERSITY HANDS-ON TRAINING <i>F. Sojka, J. Domke, C. Henkel, J. Kretzschmar, F. Lukas, C. Helgert, T. Pertsch</i>	5832
GAMES-BASED COOPERATIVE LEARNING IN THE PRIMARY GRADES <i>J. Lenkauskaitė, E. Masiliauskiene, G. Skirbauskienė</i>	5833
DRAMA IN EDUCATION ENHANCING TRANSFERABLE CAREER SKILLS: A MIXED-METHODS MULTIVARIATE RESEARCH APPROACH <i>C. Zourna, I. Papavassiliou-Alexiou</i>	5842
A PRACTICAL APPROACH TO DEFINE THE SUSTAINABILITY PROFILE OF STUDENTS: THE COMMUNITY BUILDING METHODOLOGY <i>M.J. Cantalejo, C. Vilches, M. Aldaya, J. Albarrán</i>	5851
MULTIPLE CAMERA VIDEO CONFERENCE SYSTEM FOR HYBRID PRACTICAL TRAINING AND THE INTEGRATION OF ONLINE STUDENTS INTO THE STUDENT COMMUNITY <i>F. Lukas, F. Sojka, J. Domke, C. Henkel, J. Kretzschmar, C. Helgert, T. Pertsch</i>	5855
EXAMINATION OF THE SLEEPING HABITS OF ELEMENTARY SCHOOL STUDENTS IN SOME SCHOOLS IN SLOVAKIA <i>E. Tóthová Tarová, I. Szencziová, V. Himpán, S. Darvay, Z. Fehér, M. Nagy, P. Balázs</i>	5856
EDUCATION AND MULTICULTURAL COMMUNITIES <i>G. Ciobotaru</i>	5863
CHANGES IN THE ATTITUDES OF HUNGARIAN SECONDARY SCHOOL STUDENTS IN SLOVAKIA REGARDING REGIONAL LANGUAGE VARIANTS APPEARING IN FORMAL SPEAKING SITUATIONS DURING THE EDUCATIONAL PROCESS <i>D. Illés, I. Vančo</i>	5864
ENSURING EQUITY, INCLUSION AND RETENTION OF STUDENTS WITH DISABILITIES IN SCIENCE FIELDS <i>E. Johannes</i>	5870
ACCEPTANCE OF THE USE OF SLOVAK HUNGARIAN REGIONAL LANGUAGE VARIANTS AMONG SECONDARY SCHOOL STUDENTS <i>D. Illés</i>	5879
SERVICE-LEARNING IS A CHANCE FOR THE STUDENTS TO WIDEN THEIR KNOWLEDGE AND EXPERIENCE IN SUSTAINABLE TECHNOLOGIES <i>M. Murkovic, B. Siegmund, L. Pfeiffer</i>	5885
VIRTUAL UNIVERSE PRO TO DEVELOP DIGITAL TWINS: POSSIBILITIES TO SUPPORT TEACHING IN AUTOMATION <i>E. Pérez, P. Merchán</i>	5890
BAI: A BLOCKCHAIN AND ARTIFICIAL INTELLIGENCE EDUCATIONAL PLANNER <i>A. Elmessiry, M. Elmessiry, M. Elmessiry, K. Elmessiry</i>	5899
THE "WORTH" IN WORK-BASED LEARNING: IMPLEMENTING AN INNOVATIVE WBL APPROACH IN HIGHER EDUCATION <i>J. Gilchrist, D. Doran</i>	5904
DEFINITION OF THE SUSTAINABILITY PROFILE OF THE STUDENTS <i>S. Ghnimi, P. Legall, S. Chriki</i>	5910
A COMPARISON OF PRE-PANDEMIC AND POST-PANDEMIC EDUCATIONAL INSIGHTS IMPLEMENTING THE PEDAGOGICAL VARIATION MODEL (ROGERS, 2013) THROUGH BRAZILIAN AND UK INTERNATIONAL RESEARCH COLLABORATION <i>M.S. Rogers, A. Grunewald Nichele</i>	5916
MIXED-REALITY TOPICS FOR COURSE CURRICULUM: CURRENT STATE AND FUTURE PERSPECTIVES <i>G. Vitols, A. Pogoželska</i>	5927

TIME PERCEPTION IN FIRST YEAR UNDERGRADUATES: CORRELATION WITH STRESS, ANXIETY AND DEPRESSION <i>C. Koebeli, T. Edginton, K. Morgan, L. Boubert</i>	5932
FROM THE "THOUGHTFUL" PORTFOLIO TO THE REFLECTIVE PORTFOLIO: RETURN TO THE SUBJECT OF ACTION – AN EXPERIENCE CARRIED OUT WITH STUDENTS OF A PROFESSIONAL DEGREE IN HUMAN RESOURCES AT THE UNIVERSITY OF STRASBOURG <i>A. Morales Artavia</i>	5938
MAIN CONTRIBUTIONS AND CHALLENGES OF THE EDUCATIONAL METAVERSE <i>M.A. García García, Á. Jiménez-Sánchez, N.C. Martín García, J. López Alarma</i>	5942
EDUCATING THE EDUCATORS – FROM THE PERSPECTIVE OF AN E-LEARNING CENTRE <i>S. Kučina Softić, T. Radobolja</i>	5952
DESCRIPTION OF TEACHING EXPERIENCES IN THE CONTEXT OF INDUSTRIAL HERITAGE IN CURRICULA THAT DO NOT INCLUDE THE DISCIPLINE: POSSIBILITIES FOR ADAPTING THE EDUCATIONAL ENVIRONMENT <i>M.N. Sánchez-Casado, V. Miguel, M.C. Manjabacas, E. García-Martínez</i>	5953
WHY TEACH HORROR STORIES? A FUNCTIONAL APPROACH TO HORROR <i>Á. Tárkányi</i>	5962
IMPLEMENTATION OF ELEMENTS OF INTELLIGENT AGRICULTURE IN INFORMATICS LESSONS WITH REGARDS TO THE SUPPORT OF INTERSUBJECT RELATIONSHIPS <i>I. Štempelová, O. Takáč</i>	5968
COMPARISON OF TEACHERS' AND STUDENTS' PERSPECTIVES ON DIGITAL COMPETENCIES OF UNIVERSITY TEACHERS: A CASE STUDY OF JAN AMOS KOMENSKY UNIVERSITY IN PRAGUE <i>J. Beseda, I. Šhánilová</i>	5974
INTELLIGENT SYSTEM GENERATOR OF EXERCISES OF CURVE ADJUSTMENT WITH GAMIFICATION <i>H. Pablo Leyva, R.B. Silva López</i>	5982
TRENDS IN THE ONLINE COMMUNICATION OF UNIVERSITIES: SOCIAL MEDIA CONTENT STRATEGIES USED IN HIGHER EDUCATION IN EUROPE <i>D.M. Cismaru, R.S. Ciochina, I. Burnei</i>	5990
IMPACT OF A LIVE-STREAMED COURSE ON INTERNATIONAL MEDICAL GRADUATES PLANNING TO JOIN THE UK DOCTOR HEALTH SERVICE <i>M. Seabrook, B. Yussuf, H. Knifton, J. Guy, A. Melemenis, K. Brahmhbhatt, H. Zaman, D. Bowrey</i>	5996
FROM THE PHYSICAL CLASSROOM TO THE DIGITAL CLASSROOM IN TIMES OF CRISIS: COVID-19, TOWARDS DIGITAL TRANSFORMATION <i>R.B. Silva López, H. Pablo Leyva</i>	5998
INTEGRATION OF PROJECT-BASED LEARNING AND BUILDING INFORMATION MODELING IN ENGINEERING EDUCATION: THE STUDENTS' PERSPECTIVE <i>A. Barrera Puerto, R. Seiz Ortiz</i>	6002
SUSTAINED SPEAKING EXPERIENCES WITH VIRTUAL HUMANS OVER TIME <i>E. Ericsson, S. Johansson</i>	6011
LEARNING WITH #ESTUDOEMCASA PROJECT: THE CASE OF ALGEBRA AND BLENDED LEARNING <i>C. Torres, L. Brito, C. Negra, E. Martinho</i>	6023
TOWARDS AN INTELLIGENT SYSTEM FOR ANALYSING CHILDREN'S SPEECH DISORDERS <i>P. Porcuna, L. Andreu, D. Baneres</i>	6029
TEACHING CRITICAL THINKING: SYSTEMATIC REVIEW AND META-ANALYSIS <i>A. Deroncele-Acosta, M. Nagamine-Miyashiro, D. Medina-Coronado</i>	6038
HELPING TO LEARN MODEL CONCEPTUALIZATION TASKS WITH MONO-GUIDE <i>M. Schaffernicht</i>	6046
DIFFERENT TYPES OF KNOWLEDGE ASSESSMENT IN THE PERIOD OF COVID IN PROFESSIONAL STUDIES AT THE FACULTY OF CIVIL ENGINEERING AND ARCHITECTURE OSIJEK <i>J. Matotek, A. Štefić, T. Mijušković-Svetinović</i>	6056
AN ONLINE TOOLKIT FOR FUTURE TEACHERS' TRAINING ON DIGITAL COMPETENCE <i>G. Biagini, A. Roffi, S. Cuomo</i>	6065

THE CUTTLEFISH CHALLENGE: A MULTIPURPOSE GAMIFICATION EXPERIENCE	6075
<i>A. Montero-Navarro, J. Rodríguez-Sánchez, T. González-Torres, R. Gallego-Losada, D. Corrales-Garay</i>	
IMPLEMENTATION OF ARONSON'S JIGSAW CLASSROOM TO ENHANCE THE TEACHING-LEARNING PROCEDURE ABOUT PSYCHOMETRIC CONCEPTS OF THE DEGREE IN PSYCHOLOGY	6080
<i>P. Sayans-Jiménez, M. Godoy-Giménez, A.F. Estévez, F. Cañadas, A. García-Pérez, I. Carmona-Lorente, I. Cubero-Talavera, I. Fernández-Ágís, J.M. Lerma-Cabrera, L. Esteban García, A. González Rodríguez</i>	
HOW DO DYSLEXIC CHILDREN READ? EVIDENCE FROM EYE TRACKING	6088
<i>N. Dostálová</i>	
REFUGEE AND MIGRANT LINGUISTIC INTEGRATION – BARRIERS AND CHALLENGES	6089
<i>D. Lupaşcu</i>	
FEATURE SELECTION OF STUDENT(S) AT RISK OF DROPOUT USING ADMINISTRATIVE DATA AT A UNIVERSITY IN SOUTH AFRICA	6090
<i>R.P. Ntema, E. Sonono</i>	
SOCIAL RESPONSIBILITY AND PEDAGOGICAL INNOVATION: A MISSION (IM)POSSIBLE?	6100
<i>A. Rodrigues, C. Vieira da Silva, P. Dias</i>	
NO LIMITS: CREATING CONTENT ABOUT BUSINESS MANAGEMENT	6109
<i>A. Montero-Navarro, R. Gallego-Losada, D. Corrales-Garay, J. Rodríguez-Sánchez, T. González-Torres</i>	
THE USE OF SERIOUS GAMES AS AN EDUCATIONAL METHODOLOGY IN GRADUATION IN NURSING	6114
<i>C. Nóvoa Fernandes, S. Rodrigues Rosado, F. Milani Magaldi, C. Cristine Antonietti Duarte, M. Moreno de Freitas</i>	
ACCESSIBILITY OF EDUCATIONAL WEBSITES IN ECUADOR AND EQUATORIAL GUINEA: A TALE OF TWO COUNTRIES	6119
<i>P. Nso-Mangue, T. Acosta, S. Luján-Mora</i>	
APPLICATION OF FLIPPED CLASSROOM METHODOLOGIES AND COLLABORATIVE LEARNING IN THE CONTEXT OF TWO PSYCHOLOGY DEGREE COURSES	6128
<i>M. Godoy-Giménez, P. Sayans-Jiménez, A.F. Estévez, F. Cañadas, A. García-Pérez, I. Cubero-Talavera, I. Carmona-Lorente, I. Fernández-Ágís, J.M. Lerma-Cabrera, L. Esteban García, A. González Rodríguez</i>	
TEACHERS' PERCEPTIONS ON STEM TEACHING WITH DIGITAL TECHNOLOGIES IN THE LOWER SECONDARY SCHOOL	6136
<i>A. Roffi, S. Cuomo, G. Biagini</i>	
ACCESS, EQUITY AND INCLUSION IN THE FACE OF UNCERTAINTY: STUDENT SUCCESS DURING THE COVID-19 PANDEMIC - "NO STUDENT LEFT BEHIND"	6142
<i>L.L. Lalendle, E. Johannes, R. Tsephe, I. Naidoo</i>	
DESIGN FOR (GLOBAL) RECOVERY: A PRODUCT DESIGN STUDIO FOCUSED ON SUSTAINABILITY	6149
<i>C. Battistoni, A. Buffagni, E. Porfido</i>	
POLYTRAUMA: AN IN SITU SIMULATION AS AN ESCAPE GAME FOR TRAINING NURSING STUDENTS	6159
<i>F. Santos Marques, G. Carazzolle Narciso, C. Nóvoa Fernandes</i>	
UNDERSTANDING USER EXPERIENCE (UX) FOR VIRTUAL REALITY BASED SURGICAL TRAINING	6166
<i>D. Topalli, Y.E. Cetin, B.K. Pamuk, A. Ugurlu, B. Catalok, N.E. Cagiltay</i>	
STUDENTS STUDY METHODS IN ELECTRONICS COURSES	6167
<i>V. Vasconcelos, L. Marques</i>	
MOBILITY AS A EUROPEAN EDUCATIONAL AREA: THE CONTRIBUTION OF HERITAGE DIVERSITY	6172
<i>M. Castro, M. Ribeiro</i>	
EDUCATIONAL APPLICATION FOR THE DEVELOPMENT OF COMPUTATIONAL THINKING SKILLS IN STUDENTS WITH SPECIAL NEEDS	6173
<i>J. Castaño, L. López, K. Cardona, J. Garzón</i>	
THE TECHNICAL SKILLS OF TODAY AND TOMORROW: INVESTIGATING THE CHANGING DEMANDS OF THE FUTURE SKILLS ECONOMY	6180
<i>P. Miglani, J. Fraeys de Veubeke, L. Gatto, L. Antonie, D. Gillis</i>	
INTERNATIONAL ACCREDITATION AS AN ELUSIVE QUALITY ASSURANCE ATTAINMENT: THE CASE OF A SOUTH AFRICAN BUSINESS SCHOOL	6181
<i>L.L. Lalendle, B. Muchara, R. Matshoba</i>	

THE USE OF THE MODEL FOR EVALUATION OF THE DESIGN OF DIGITAL EDUCATIONAL RESOURCES (LIBRAS/PORTUGUESE) <i>L. de Moraes, B. Gonçalves</i>	6187
"I JUST SAY I'M SICK": ENGAGING ALIENATED STUDENTS IN PHYSICAL EDUCATION CLASS <i>M. Kim</i>	6196
CULTURAL STUDIES AS THE FUNDAMENTAL PRINCIPLE OF LANGUAGE CURRICULUM <i>E. Polyudova</i>	6197
SOME EXPERIENCES IN STUDY PROGRAMME DEVELOPMENT <i>S. Zlatovic, B. Uremovic</i>	6203
IMPROVEMENT OF THE QUALITY ASSURANCE SYSTEM OF THE FACULTY OF PHARMACY: IMPLEMENTATION OF QUALITY INDICATORS <i>M. Córdoba-Díaz, M.J. Hernaiz, M. Sánchez, I. Iglesias, M.D. Tenorio, P. Gómez-Serranillos</i>	6209
STUDENT VOICE AND CHOICE: CULTURAL VALIDATION THEORY IN REDESIGNED COMPUTER SCIENCE COURSES <i>M. Clark-Ibáñez, F. Saldaña, Y. Ouyang</i>	6210
CONFIDENCE IN SPEAKING WITH NATIVE SPEAKERS <i>C. Miranda-Aldaco</i>	6217
RECONFIGURABLE PROTOTYPE FOR THE EXPERIMENTAL CHARACTERIZATION OF OPERATIONAL AMPLIFIERS IN ELECTRONICS LABS <i>Á. Gómez-Márquez, J.M. Carrillo, M.A. Domínguez, R. Pérez-Aloe, J.L. Ausín, J.F. Duque-Carrillo</i>	6223
CLOSING EQUITY GAPS IN COMPUTER SCIENCE WITH ACADEMIC COACHING <i>M. Clark-Ibáñez, M. Talicuran, Y. Ouyang</i>	6233
CULTURAL SENSITIVITY AND LINGUISTIC IDENTITY: CHALLENGES OF ACADEMIC MOBILITY <i>M. Ribeiro, M. Castro</i>	6239
CO-CONSTRUCTION OF KNOWLEDGE THROUGH THE CULTURAL RESOURCES INTERNATIONAL STUDENTS BRING TO THE WRITING CLASSROOM <i>T. Roose</i>	6240
CREATING AN INTERNATIONAL DIGITAL COURSE FOR DOCTORS OUTSIDE OF THE UK BEFORE STARTING THEIR WORK WITHIN THE NHS <i>M. Seabrook, K. Brahmhatt, H. Zaman, A. Melemenis, J. Guy, B. Yussuf, H. Knifton, D. Bowrey</i>	6241
GUIDELINES FOR THE DESIGN OF BILINGUAL EDUCATIONAL RESOURCES FOR THE DEAF PUBLIC: BRAZILIAN SIGN LANGUAGE AND PORTUGUESE <i>B. Gonçalves, M. Bandeira, L. de Moraes</i>	6242
PROPOSAL FOR AN EXPERT SYSTEM FOR KNOWLEDGE EVALUATION AND CORPORATE TRAINING SUGGESTIONS <i>D. Nascimento, P. Notargiacomo</i>	6250
LET US CREATE GAMIFIED EDUCATIONAL RESOURCES IN GENIALLY ABOUT EDUCATIONAL LEGISLATION! A TEACHING INNOVATION WITH PRE-SERVICE EARLY CHILDHOOD EDUCATION TEACHERS <i>M. Martín-Del-Pozo</i>	6258
A REVIEW OF APPLICATIONS OF BLOCKCHAIN TECHNOLOGY IN EDUCATION <i>B. Mihaljević, D. Beronić, M. Žagar</i>	6265
RESULTS ON THE KNOWLEDGE OF THE SDG WITHIN THE FRAMEWORK OF THE EDUCATIONAL INNOVATION PROJECT PIME/21-22/251 ON THE DEVELOPMENT AND CREATION OF STRATEGIES FOR SOCIAL PARTICIPATION WITH AUDIOVISUALS <i>R. Benavent Méndez, J. Moral</i>	6275
TASK-BASED LEARNING AS A KEY APPROACH FOR ENHANCING THE PERFORMANCE OF A TEACHER AND A STUDENT <i>T. Dilaverova, S. Dumbadze</i>	6284
PROJECT-BASED LEARNING IN THE CHEMICAL REACTORS SUBJECT USING CURRENT NEWS AS A MOTIVATING METHODOLOGY <i>F. López-Pérez, S.C. Cardona, V. Fombuena, C. Carbonell, I. Domínguez, J. Lora</i>	6288
POSTGRADUATE INVOLVEMENT IN HIGHER EDUCATION: VIEWS FROM CENTENNIALS AND KNOWLEDGE TRANSFER PROFESSIONALS <i>L.M. Cerdá Suárez</i>	6293
SOCIAL PRESCRIBING "ART-ON-PRESCRIPTION": CREATIVITY IS YOUR LIFELINE <i>M.S. Rogers, J.P.D. Rogers</i>	6300

ARTIFICIAL INTELLIGENCE AND EDUCATION 4.0	6309
<i>J. Udvaros, N. Forman</i>	
SIGNIFICANCE OF SOCIOCULTURAL PRAGMATIC COMPETENCE FOR EFL STUDENTS	6318
<i>S. Dumbadze, T. Dilaverova</i>	
CLINICAL SIMULATION AND THERAPEUTIC COMMUNICATION SKILLS IN A CONSULTATION CONTEXT: AN INNOVATION FOR NURSING STUDENTS' LEARNING AND ASSESSMENT	6323
<i>F. Pinto, A. Teixeira, C. Magalhães, R. Jesus, M.C. Augusto</i>	
FINE ARTS AS AN EDUCATIONAL RESOURCE IN THE DEVELOPMENT OF CREATIVE MINDS IN ESL CLASSROOMS	6324
<i>E. Polyudova</i>	
MAPPING OUT EMPLOYEE SKILL NEEDS WITHIN THE EUROPEAN HOSPITALITY INDUSTRY	6331
<i>N. Forman, J. Udvaros</i>	
LUDIC INTERVENTION ON GENERATIONAL CONFLICTS AMONG STUDENTS IN A PUBLIC SCHOOL IN CURITIBA	6339
<i>R. Lagos, N. Tassi, G. Silva, W. Garcia</i>	
HOW DO TOURISM STUDENTS' FEEL ABOUT INTERDISCIPLINARITY?	6344
<i>C. Melo, C. Mouta, P. Pereira</i>	
TACIT KNOWLEDGE YIELDING TO EXPONENTIAL FUNCTION AT THE UNIVERSITY LEVEL	6349
<i>L. Bartosovic, P. Demkanin, A. Slovak</i>	
CUSTODIAL GRANDPARENTS: AN ANALYSIS OF THE IMPACT SELECTED VARIABLES ON THE SOCIAL DEVELOPMENT OF AFRICAN AMERICAN CHILDREN AND ADOLESCENTS	6358
<i>T. Clark, N. Brown, H.L. Aubrey, K. Anderson, T. Jordan, D. Hill-Eley, H. Swanson, E. Cameron</i>	
PROFESSIONAL DEVELOPMENT OF TEACHERS AS A PEDAGOGICAL PROBLEM	6362
<i>F. Kuravin, E. Kuravina, E. Nikitina, I. Balandina, T. Moskvitina, L. Yuzdova</i>	
USING QUASI-PROFESSIONAL ACTIVITIES TO ENHANCE FOREIGN LANGUAGE LEARNING PROCESS	6367
<i>M. Novikova, P. Novikov</i>	
INTERFACE-SPACES FOR HYBRID HABITATS	6373
<i>M.E. Tosello</i>	
THE ROLE OF PARENTS IN THE ORGANIZATION OF ENVIRONMENTAL EDUCATION OF JUNIOR SCHOOLCHILDREN IN EXTRA-CURRICULAR ACTIVITIES IN THE CONDITIONS OF BLENDED LEARNING	6380
<i>E. Grigoreva, I.G. Kozlova, N. Titarenko, T. Moskvitina, I. Balandina, L. Yuzdova</i>	
LEARNING THE SKILLS OF DIGITAL PRIVACY THROUGH AN ONLINE COURSE	6385
<i>L. Robertson, B. Muirhead</i>	
USING SPEECH SYNTHESIS SOFTWARE TO IMPROVE STUDENTS' PRONUNCIATION: TOOLS FOR THE CLASSROOM AND SELF-STUDY	6394
<i>A. Kiseleva, P. Novikov</i>	
INITIAL FINDINGS FROM A STUDY OF MID-CAREER WORKERS WITH DISABILITIES IN THE CANADIAN CONTEXT	6399
<i>C. Anyinam, S. Coffey, L. Robertson, C. Dasilva, L. Graham</i>	
PAST, PRESENT, AND FUTURE OF ELECTROENCEPHALOGRAPHY IN EDUCATIONAL RESEARCH	6406
<i>T. Buckles, R. Almandawi, G. Gonzalez-Cuevas</i>	
STUDY ON BARRIERS TO LEARNING IN HIGHER EDUCATION IN ROMANIA	6407
<i>R.S. Kiru, L. Maftai</i>	
WORKING ON A GENDER PERSPECTIVE FOR ENTREPRENEURSHIP EDUCATION: AN EXERCISE IN EDUCATIONAL INNOVATION FOR COMPLEXITY	6413
<i>P.E. Alonso-Galicia, I. Álvarez-Icaza Longoria, M. Rodríguez-Díaz, A. Medina-Vidal, P. Suárez-Brito</i>	
WILLINGNESS TO COMMUNICATE (WTC) IN A HIGHER EDUCATION ESL CONTEXT: WHAT ARE SOME OF THE DRIVING FORCES THAT HINDER AND/OR PROMOTE STUDENTS' ACTIVE PARTICIPATION IN SEMI-GUIDED SPEAKING TASKS?	6419
<i>J. Fonseca-Chacana</i>	

EMOTIONAL WELL-BEING MATTERS: PROMOTING AFFECTIVE COMMUNICATION FOR TEACHERS AND STUDENTS DURING THE COVID-19 PANDEMIC	6424
<i>P. Avitia-Carlos, C. Trejo-Alba, S. Rodríguez-Gutierrez, K. Rosas-Burgos, R. Mijangos-Ortega, S. Ortega-Flores</i>	
HAS TEACHING IN DEGREES STABILIZED IN THE POST-PANDEMIC AT THE UNIVERSITAT JAUME I? THE INSTITUTIONAL REVISION OF THE BACHELOR'S DEGREE IN PUBLIC MANAGEMENT AND ADMINISTRATION	6431
<i>O. Coltell, B.S. Tomás, M. Camarero, A.M. Rodríguez, L.V. Lizán, S.J. Blasco, C. Pauner, J.A. Viguri, J. Clemente, M. Oller</i>	
INFORMATION LITERACY: ANALYSIS OF INSTITUTIONAL STRATEGIES TO DEVELOP INFORMATION LITERACY SKILLS FOR UNDERGRADUATE STUDENTS AT SELECTION COLLEGES AND UNIVERSITIES	6436
<i>H.L. Aubrey, N. Brown, T. Clark, T. Jordan, K. Anderson, D. Hill-Eley, H. Swanson, E. Cameron</i>	
MAEGAP: A PILOT INNOVATIVE EDUCATIONAL PROJECT TO IMPROVE THE PRESENCE AND ATTRACTION OF THE BACHELOR'S DEGREE IN PUBLIC MANAGEMENT AND ADMINISTRATION AT THE UNIVERSITAT JAUME I	6441
<i>O. Coltell, B.S. Tomás, C. Pauner, J. Clemente, J.A. Viguri, L.V. Lizán, M. Camarero, A.M. Rodríguez, S.J. Blasco, M. Oller</i>	
IMPROVING READING COMPREHENSION IN THE EFL CLASSROOM: THE MEANINGFUL COMBINATION OF TOP-DOWN AND BOTTOM-UP APPROACHES	6448
<i>O. Rotko</i>	
EDUCATION DOCTORAL PROGRAMS THAT TAKE AN EXPERIENTIAL AND INTEGRATIVE APPROACH HAVE THE CAPACITY TO CONTRIBUTE TO THE KNOWLEDGE ECONOMY	6455
<i>J. McAtavey</i>	
DATA PRIVACY AND SECURITY IN ONLINE LABORATORY MANAGEMENT SYSTEMS	6459
<i>A. Pena-Molina, M.M. Larrondo-Petrie</i>	
MINIMIZING THE EDUCATIONAL DISRUPTION THROUGH INCLUSION AND EQUITY	6466
<i>T. Hudson Matthew</i>	
A PATH ANALYSIS OF SOCIAL-ENVIRONMENT FACTORS, APPRAISALS, ANXIETY, AND PERCEIVED SUCCESS AMONG TEACHERS DURING THE PANDEMIC	6470
<i>R. Pahljina-Reinić, M. Bažon, B. Rončević Zubković, S. Kolić-Vehovec</i>	
INNOVATIVE USE OF A LEARNING MANAGEMENT SYSTEM TO SUPPORT AN INTERPROFESSIONAL AND CUSTOMIZED CURRICULUM FOR TELEHEALTH	6471
<i>K. Hoggatt Krumwiede</i>	
BACK TO CLASS AFTER A TWO-YEAR HIATUS	6472
<i>D. Morin, S. Lahmiri, S. Hossaini</i>	
DISABILITY SIMULATION LEARNING EXPERIENCE FOR JUNIOR SECONDARY SCHOOL STUDENTS	6473
<i>S.H.S. Lo, J.P.C. Chau, A.W.K. Chan, S.K.Y. Lam, S.Y. Chair, V.W.Y. Lee, H.H.M. Lo, M.W.M. Chan, L. Butt, K. Mirchandani</i>	
EFFECTS OF USING PATTERN CARDS ON STUDENTS' ACTIVITIES AND BELIEFS IN COOPERATION IN HIGH SCHOOL MATHEMATICS CLASSES	6474
<i>M. Komachi, Y. Watanabe</i>	
HOW KBCP-BASED INSTRUCTIONS AFFECT TO PROMOTE USING LEARNING STRATEGIES AND LEARNING OUTCOMES FOR HIGH SCHOOL STUDENTS IN MATHEMATICS?	6481
<i>H. Jitsukawa, Y. Watanabe</i>	
EFFECTIVE SUPPORT METHODS TO ENCOURAGE IMPLEMENTATION OF PRE-CLASS LEARNING IN FLIPPED CLASSROOM	6488
<i>R. Matsuoka, Y. Watanabe</i>	
THE WASP-ED AI CURRICULUM: A HOLISTIC CURRICULUM FOR ARTIFICIAL INTELLIGENCE	6496
<i>H. Lindgren, F. Heintz</i>	
PERSPECTIVES ON HIGHER EDUCATION INSTITUTIONS IN THE POST-COVID-19 ERA	6503
<i>I.D. Rahimi</i>	

CAN THE USE OF ZINES IN ARTS PEDAGOGIC PRACTICES IN HIGHER EDUCATION CHALLENGE THE DISPARITIES OF AWARDDING GAPS, DOMINANCE OF EUROCENTRIC KNOWLEDGE SYSTEMS AND TAKE UP THE CALL OF SYSTEMATIC CHANGE AS DEMANDED BY THE BLACK LIVES MATTER MOVEMENT?	6508
<i>R. Patel</i>	
DEVELOPMENT AND EVALUATION OF THE CAT SYSTEM TO REDUCE MATHEMATICS TEST ANXIETY IN JAPANESE HIGH SCHOOLS	6509
<i>Y. Kano, Y. Watanabe</i>	
MULTICULTURAL AND MULTIETHNIC CHALLENGES FOR HIGHER EDUCATION IN ROMANIA UNDER THE CIRCUMSTANCES OF THE UKRAINIAN	6516
<i>G.A. Necula</i>	
THE INDIGENIZATION OF ECOLOGICAL AND ENVIRONMENTAL EDUCATION IN THE MENA REGION: THE ROLE OF A NATURAL HISTORY MUSEUM	6517
<i>R. Sadek, L. Chehab, K. Knio, N. Sinnu-Saoud, M. Al Zein</i>	
EDUCATION IN THE FAMILY (HOMESCHOOLING) - THE REASONS FOR THE CHOICE OF PARENTS	6518
<i>E. Naidaitė, E. Stasiūnaitienė</i>	
EFFECTS OF THE ONLINE CLASS USING DIGITAL WHITEBOARD ON COMMUNICATION BETWEEN STUDENTS IN A CSCL ENVIRONMENT	6526
<i>K. Fujikawa, K. Shimizu</i>	
IMPROVING THE WORK ABILITY OF YOUNGER ADULTS WITH STROKE: DEVELOPMENT OF A NEW INCLUSIVE VOLUNTEERING PROGRAMME	6531
<i>S.H.S. Lo, J.P.C. Chau, K.C. Choi, M. Demers</i>	
PRELIMINARY ANALYSIS OF SELF-CONFIDENCE LABELS OF SECOND LANGUAGE UTTERANCES IN AN ONLINE ASSIGNMENT TO DEVELOP A LEARNING SYSTEM WITH FEEDBACK ADAPTATION	6532
<i>Y. Omori, M. Tamura, D. Ikeda</i>	
A PROPOSAL TO CREATE A PSEUDO-PARALLEL TEXT CORPUS FOR SIMPLIFYING JAPANESE USING DTW	6542
<i>E. Maekawa, H. Murao</i>	
COMPETENCES OF SECURITY MANAGERS IN THE FIELD OF SECURITY TECHNOLOGIES NECESSARY FOR SOLVING PANDEMIC SITUATIONS	6551
<i>A. Velas, M. Boros, K. Kampova, J. Durica</i>	
PROMOTING INTERDISCIPLINARITY AND SUSTAINABILITY SKILLS DEVELOPMENT IN FOOD-RELATED DEGREES: THE CASE OF THE UNIVERSITY OF PISA	6556
<i>S. Tomasi, A. Ferrara, C. Mignani, A. Cavicchi</i>	
TECHNOLOGICAL UNIVERSITY DUBLIN'S PATHWAY TO EMBEDDING SUSTAINABILITY IN FOOD DEGREES, NEMOS AND BEYOND	6566
<i>J. Dunne, C. Barry-Ryan, C. McMahon</i>	
STUDY OF THE ELECTRICAL CHARACTERISTICS OF ELECTRONIC COMPONENTS UNDER THE NI LABVIEW ENVIRONMENT	6576
<i>A.F. Toure, P.A. Cotfas, D.T. Cotfas, B. Diourte</i>	
CONCEPTUAL ILLUSTRATION FOR SUSTAINABLE DEVELOPMENT GOAL NUMBER 4: EDUCATION	6586
<i>S. Alcaraz González, M.P. Santiago Martín de Madrid, A. Canavese Arbona, A. Ferriols</i>	
DETERMINING FACTORS FOR STUDENT-STAFF INTERACTION: A SYSTEMATIC REVIEW	6587
<i>O. Oladipupo, S. Samuel</i>	
VIRTUAL AND AUGMENTED REALITY TECHNOLOGY USE IN ACTIVE LEARNING METHODOLOGIES: STUDENTS' PERCEPTIONS	6598
<i>C. Lucas, J. Morais, J. Lourenço, N. Neves</i>	
MANAGEMENT COMPETENCES AND INTERNSHIPS	6609
<i>R. Ferreras-Garcia, J. Sales-Zaguirre</i>	
DEVELOPMENT OF MANURIH MODEL INNOVATION AND MEDIA AUGMENTED REALITY TO IMPROVE PROBLEM SOLVING SKILLS	6610
<i>D.A. Pratiwi, A.R. Agusta, A. Suriansyah, A.P. Putra, N. Noorhapizah, H. Hartati, V. Santika, I.G. Kariasa</i>	
SHORT VIDEO FORMAT AS A NEW OPPORTUNITY TO LEARN AND POPULARIZE SCIENCE	6625
<i>A. Soto, J. Duran, A. Poater Teixidor</i>	

THE IMPACT OF DISTANCE-BASED EDUCATION DURING COVID -19 ON MATHEMATICS EDUCATION AT THE UNIVERSITY OF ŽILINA <i>Z. Malacká, I. Ilavská</i>	6633
A REVERSE ENGINEERING AND MAKING APPROACH TO ENHANCE LEARNING IN SCHOOL DESIGN PROJECTS <i>M. Greenholts, I. Verner</i>	6634
CHALLENGES, OPPORTUNITIES AND TRENDS IN ENTREPRENEURIAL EDUCATION IN THE EUROPEAN UNION <i>C. Ille, D. Badulescu</i>	6642
EDUCATING STEM STUDENTS TO BE THE FUTURE LEADERS OF THE QUANTUM COMPUTING REVOLUTION <i>E. Muñoz-García, G.L. Dugarte-Peña</i>	6649
SYSTEM DYNAMICS AS A CATALYST FOR THE DEVELOPMENT OF PROBLEM-SOLVING SKILLS IN ENGINEERING STUDENTS <i>G.L. Dugarte-Peña, E. Muñoz-García, N. Gordo-Herrera, C. García de Jesús</i>	6655
MANAGERIAL COMPETENCIES OF GRADUATES: REQUIREMENTS IN THE POST-COVID ERA <i>S. Shchelokova, I. Suslova</i>	6662
DESIGN AND USE OF A CARD GAME FOR LEARNING ABOUT QUANTITATIVE GENETICS AND VARIANCE COMPONENTS APPLIED TO ANIMAL BREEDING: A PILOT STUDY <i>A. Suárez-Vega, M. Alonso-García, R. Pelayo, P.A.S. Fonseca, J.J. Arranz, B. Gutiérrez-Gil</i>	6663
THEORETICAL ASPECTS OF INTRODUCING BLENDED LEARNING TECHNOLOGY IN PRIMARY EDUCATION <i>K. Zvyagin, I. Kozlova, L. Makhmutova, L. Yuzdova, T. Moskovitina, I. Balandina</i>	6668
A TRANSACTIONAL, TRANSFORMATIONAL OR A TRANSFORMATIVE APPROACH TO EDUCATIONAL LEADERSHIP IN LIBERAL ADULT EDUCATION? <i>L. Snellman</i>	6673
THE EXPERIENCE OF MENTORING FIRST-YEAR TECHNICAL UNIVERSITY STUDENTS <i>P. Račková, S. Hoskova-Mayerova</i>	6686
AGILE PRESENTATIONS IN HIGHER EDUCATION: PECHA KUCHA TECHNIQUE <i>C. Aragonés Jericó, P. Canales Ronda, I. Küster Boluda, N. Vila López, A. Hernández Fernández</i>	6694
THE RELATIONSHIP BETWEEN GOVERNMENT EXPENDITURE FOR EDUCATION AND ECONOMIC GROWTH: AN ANALYSIS ON CENTRAL AND EASTERN EUROPEAN COUNTRIES <i>C. Simut, R. Simut</i>	6695
ASSESSING STUDENTS' ATTITUDES TOWARDS ECONOMETRICS <i>A. Suárez Álvarez, M.R. Vicente</i>	6702
EXCESSIVE USE OF THE INTERNET BY CHILDREN DURING THE PANDEMIC <i>T. Chiorean</i>	6703
EDUCATIONAL OPPORTUNITIES IN CLOUD COMPUTING BY AN ENVIRONMENTAL MONITORING SOLUTION USING SELF-PROPELLED ROBOTS <i>U. Žaimis</i>	6709
DEEP LEARNING FOR THE TEACHING OF L2 FRENCH CLITIC OBJECT PRONOUNS <i>A. Jebali</i>	6715
PIONEERING MECHATRONICS EDUCATION AT MICHIGAN TECH: UNDERGRADUATE AND GRADUATE CURRICULA DEVELOPMENT <i>A. Sergeyev</i>	6716
INTERNATIONALIZATION OF THE MECHATRONICS EDUCATION: UNDERGRADUATE AND GRADUATE EXCHANGE AND DUAL-DEGREE PROGRAMS DEVELOPMENT AT MICHIGAN TECH AND HEILBRONN UNIVERSITY OF APPLIED SCIENCES <i>A. Sergeyev, U. Gleiter, A. Meroth</i>	6721
CURRICULUM DESIGN OF A HIGHER DIPLOMA IN ART TECH PROGRAM: THE HONG KONG EXPERIENCE <i>K. Chan, M. Fung, J. Lau</i>	6727
DISCOVERING THE OPPORTUNITIES FOR DEVELOPING CYBERSECURITY AWARENESS IN SECONDARY EDUCATION: A COMPARATIVE STUDY, WALES VS. SAUDI ARABIA <i>S. Meace, F. Carroll, L. Nawaf, D.M. Nouraddin Algahazzwai</i>	6728

INVESTIGATING A MOTIVATION MODEL FOR GAMIFIED E-LEARNING: A SELF-DETERMINATION APPROACH	6738
<i>A. Sen, J. Lean, J. Kelland, J. Moizer</i>	
COMMUNICATION PREFERENCES OF AIR TEMPERATURE FORECASTS AMONG STUDENTS ENROLLED IN METEOROLOGY-RELATED SUBJECTS	6746
<i>I. Gómez, E. Valor, S. Molina, R. Niclòs, V. Caselles</i>	
MEASURING SOFT SKILLS IN ENGINEERING EDUCATION: THE CASE OF THEIR TRANSMISSION THROUGH GAMIFICATION ACTIVITIES OR SERIOUS GAMES IN CERTAIN TECHNICAL SCHOOLS OF THE UPM	6747
<i>J.J. Morillas-Guerrero</i>	
ORAL PRESENTATIONS IN EFL CLASSES ONLINE: THE PROCESS OF PREPARATION	6754
<i>A. Daukšaitė-Kolpakovienė</i>	
THE DYNAMICS OF TALENT RETENTION: THE ROLE OF TERRITORIES, INDUSTRIES AND EDUCATION	6763
<i>J.A. Belso Martínez, M.J. López Sánchez, M. Sánchez Romero</i>	
USE OF SOCIAL MEDIA DURING THE COVID-19 PANDEMIC TO ENHANCE CRITICAL THINKING SKILLS IN GEN Z STUDENTS	6768
<i>A.L. Sanchez-Lopez, R. Garcia-Varela, Y. Perfecto-Avalos, M. Sepulveda-Villegas, M.I. Jimenez-Perez</i>	
DETERMINING EFFICIENCY IN SPANISH UNIVERSITIES (2015-2020)	6773
<i>J. Zafrá-Gómez, G. Pérez-Lopez, G. López-Pérez, L. Marquez-Arenas, P. Povedano-Fernández</i>	
A MAP OF WORRIES – HOW SOCIAL MEDIA IS IMPACTING THE PERCEIVED URGENCY OF ISSUES IN THE CURRENT COLLEGE GENERATION	6782
<i>J.C. Del Ama</i>	
THE RELATIONSHIP BETWEEN STRESS, ACADEMIC RESILIENCE AND LEARNING OUTCOMES OF STUDENTS DURING COVID-19 PANDEMIC	6792
<i>S. Chee Cheang, C. Siow Chin</i>	
EXPERIMENTAL TEACHING IN MICROWAVE ELECTRONICS: THE USE OF A ROBOT FOR PROTOTYPING	6802
<i>F. Pasadas, A. Medina-Rull, M. García-Palomo, S. Ortiz, M. Pantoja, E.G. Marin, F. Ruiz</i>	
SAFETY AND PRESERVATION OF HISTORIC CENTERS IN SEISMIC AREAS: METHODOLOGICAL APPROACHES, OPERATIONAL TOOLS, ITALIAN CASE STUDIES AND BEST PRACTICES	6803
<i>F. Maroldi, S. Li Sacchi, F. Dell' Arciprete</i>	
DEVELOPMENT OF A SIMULATOR FOR THE SELF-LEARNING OF ENZYMATIC KINETICS	6813
<i>M. Gómez Gómez, E. Gómez Gómez, J. Bastida Rodríguez, F. Máximo Martín, M.D. Murcia Almagro, S. Ortega Requena</i>	
DO QUESTIONS HELP COLLEGE STUDENTS LEARN FROM TEXTS?	6823
<i>A. Rubio-Peñarrubia, A.C. Llorens-Tatay, A. Cerveró-Carrascosa</i>	
MENTAL HEALTH AS A PREDICTOR OF ACADEMIC PERFORMANCE AND LIFE SATISFACTION DURING THE COVID-19 PANDEMIC	6824
<i>J. Bagraim</i>	
CITYTELLING - A MULTIDISCIPLINARY TRAINING COURSE FOR THE DEVELOPMENT OF SELF-AWARENESS IN RELATIONAL CONTEXTS STARTING FROM THE ARCHITECTURE OF THE CITY	6831
<i>F. Maroldi, M. Buccolieri, V. Cirello</i>	
SEIZING THE OPPORTUNITIES AND TACKLING CHALLENGES OF ENGLISH-MEDIUM INSTRUCTION IN HIGHER EDUCATION: TEACHERS' REFLECTIONS ON EMI TEACHING COMPETENCES	6840
<i>I. Fekete, R. Koris, M. Folmeg</i>	
TASK CONFLICTS IN ONLINE TEAM LEARNING	6841
<i>T. Elenurm</i>	
N2D: AN ONLINE APPLICATION FOR NFA-TO-DFA CONVERSION AND VISUALIZATION	6849
<i>C. Papastavrou, E. Papaioannou, C. Kaklamanis</i>	
PROMOTING SUSTAINABLE WATER MANAGEMENT IN THE EASTERN MEDITERRANEAN WITH A NEW INTERNATIONAL MSC PROGRAM	6859
<i>G. Zaimes, V. Iakovoglou</i>	
DIGITAL UNIVERSITY-WIDE LEARNING FACTORIES AS AN ANSWER TO THE CHALLENGES IN HIGHER EDUCATION IN THE FIELD OF INTERDISCIPLINARY AND APPLICATION-ORIENTED KNOWLEDGE TRANSFER	6866
<i>T. Peuschke-Bischof, S. Kubica</i>	

CROSS-CULTURAL ASPECTS OF LANGUAGE LEARNING ANXIETY: A CASE OF SEVEN JAPANESE LEARNERS OF ENGLISH IN THE U.S. <i>K. Ohata</i>	6875
SCRUMBAN: AGILE COLLABORATIVE ONLINE LEARNING <i>C. Aragonés Jericó, P. Canales Ronda, A.C. Cuenca Ballester</i>	6885
NEW APPROACHES FOR ON-LINE VIRTUAL REHABILITATION <i>E.T. Avramescu, N.A. Incel, M. Zheleva</i>	6886
PHYSICAL THERAPISTS' OPINION REGARDING ONLINE REHABILITATION AFTER TOTAL HIP REPLACEMENT <i>E.T. Avramescu, M. Mihailov, G. Cosma, M. Dragomir</i>	6892
MEASURING CHARACTER STRENGTHS IN ARMY CADETS: ARE SELF-RATINGS OR OTHER-RATINGS BEST? <i>H. Bang, F. Nilsen, O. Boe, J. Kibsgaard</i>	6899
GIVING VOICE TO MINORITY PUBLIC HIGH SCHOOL STUDENTS THROUGH A DATA LITERACY PROGRAM <i>A. Mello da Fonseca</i>	6900
TRANSLATION, CULTURAL ADAPTATION AND VALIDATION OF THE TPACK-21 QUESTIONNAIRE <i>A.C. Alemán-Saravia, A. Deroncele-Acosta, H. Robles Mori</i>	6910
LEARNING WITH THE CLASSICS: A PROPOSAL FOR ADVANCED VIRTUAL KNOWLEDGE ACQUISITION THROUGH ANCIENT ROME <i>J. Orozco Messana, A.M. Gonzalez Pons, M. Starek</i>	6919
FOSTERING SCIENTIFIC RESEARCH IN STUDENTS OF TECHNICAL DEGREES: AN ASSESSMENT AND CONTINUATION <i>M. Galiana Martínez, L. Seguí Gil</i>	6929
EDUCATIONAL PLATFORM AS A MEANS OF DISTANCE LEARNING FOR SCHOOL AND UNIVERSITY STUDENTS <i>L. Yuzdova, Y. Goltseva, R. Koutun, L. Nesterova, I. Balandina, T. Moskvitina</i>	6936
ENCOURAGING MORE SECONDARY SCHOOL PUPILS TO KEEP STUDYING COMPUTER SCIENCE: THE IMPORTANCE, THE CHALLENGES AND WHAT WORKS <i>C. Pulfrey</i>	6941
CHALLENGES IN TEACHING ARTIFICIAL INTELLIGENCE AND DATA SCIENCE SUBJECTS BY USING GOOGLE COLABORATORY AND JUPYTER NOTEBOOKS <i>D. Sokol, S. Mladenović, D. Krpan</i>	6942
WOMEN LEADERS - SPECIAL CHALLENGES IN THE ENERGY AND MINING SECTOR <i>S. Radović, K. Bojović</i>	6948
USING SIMULATION IN TEACHING ARTIFICIAL INTELLIGENCE <i>A. Prnjak, G. Zaharija, M. Mladenović, D. Nejašmić</i>	6954
PREDICTING STUDENTS' ACADEMIC SUCCESS IN HYBRID DESIGN STUDIOS WITH GENERALIZED REGRESSION NEURAL NETWORKS (GRNN) <i>V.M. Yonder, G. Elbiz Arslan</i>	6961
HOW DO UNIVERSITY STUDENTS PERCEIVE CLOTHING BRANDS' PERSONALITIES? A SCALE DEVELOPMENT TASK BASED ON MILLENNIAL'S INTERESTS <i>E. Mora, N. Vila López, I. Küster Boluda</i>	6968
INTERACTIVITY AND ANIMATION-SIMULATION TOOLS IN THE DIGITAL PRESENTATION OF EDUCATIONAL MATERIAL <i>N. Annuš, D. Paksi, M. Csóka</i>	6975
LEARNING MANAGEMENT SYSTEMS AND THEIR POSSIBILITIES IN EDUCATION - CASE OF SLOVAKIA <i>N. Annuš, M. Csóka, D. Paksi</i>	6981
INSTRUCTIONAL DESIGN STRATEGIES FOR INTENSIVE ONLINE COURSES: A COGNITIVE SCAFFOLDING APPROACH <i>Y. Dong</i>	6987
TEACHING STUDENTS ABOUT THE USE OF TEXTILE WASTE AS THERMAL INSULATING SYSTEMS <i>A. Bodoga, A. Nistorac</i>	6988
EDUCATIONAL TOOLS USED BY TEACHERS AND STUDENTS IN THE FIELD OF LEATHER GOODS DESIGN <i>A. Bodoga, M. Costea, A. Iovan-Dragomir, A. Nistorac</i>	6995

EFFECTIVE AND UNPRODUCTIVE CLASSROOM TACTICS WHEN DEVELOPING DIGITAL SKILLS, INTERCULTURAL COMMUNICATION & NEGOTIATION COMPETENCIES <i>O. Hernandez-Pozas</i>	7000
A META-ANALYSIS ON THE EFFECTS OF PERFORMANCE-BASED FINANCIAL INCENTIVES ON HIGHER EDUCATION STUDENTS <i>T. Lintner</i>	7008
FUNCTIONAL DISORDERS OF THE MUSCULAR SYSTEM OF UNIVERSITY STUDENTS IN THE STUDY PROGRAM SPECIAL PHYSICAL TRAINING IN SECURITY FORCES <i>R. Lenková, I. Boržíková, M. Ligday</i>	7009
LIFE AND HEALTH PROTECTION COURSE AS AN OPPORTUNITY FOR THE DEVELOPMENT OF KNOWLEDGE OF HIGH SCHOOL STUDENTS <i>R. Lenková, D. Dzugas, M. Ligday, T. Kláček</i>	7015
STUDENT VOICE, PEER REVIEW, AND STUDENT PERFORMANCE: A TRIANGULATION OF DATA TOWARDS HIGHER EDUCATION TEACHING QUALITY <i>J.P. Egan</i>	7021
YES, COVID-19 HAPPENED. HOW DID IT INFORM THE COGNITIVE OVERLOAD OF THE FACE-TO-FACE GENERAL CHEMISTRY LAB THEN AND NOW? <i>J. Ealy, B. Domínguez, L. Veras</i>	7026
QUALITATIVE RESEARCH SUGGESTS HOW TO ENGAGE GEN Z IN THE COLLEGE CLASSROOM TO IMPROVE LEARNING, DECREASE DROP-OUTS <i>M. Loda</i>	7027
LEARNING AND TEACHING METEOROLOGY THROUGH SHORT ANSWER QUESTIONS <i>L. Gimeno, R. Nieto, L. Gimeno-Sotelo, R. Sori, M. Vazquez, M. Stojanovic</i>	7028
ACCESSIBILITY BARRIERS OF VIDEOCONFERENCING TOOLS FOCUSED ON PEOPLE WITH VISUAL DISABILITIES <i>T. Acosta, P. Nso-Mangue, S. Luján-Mora</i>	7029
TWEAKING THE SOFTWARE ENGINEERING FORMAL EDUCATION FOR BETTER PREPARATION OF NOVICES IN THE SOFTWARE INDUSTRY <i>D. Nejašmić, A. Prnjak, D. Sokol, A. Granić</i>	7039
IS THE EDTECH INDUSTRY THE FIX FOR SCHOOLS? A PEDAGOGICAL PERSPECTIVE <i>O. Hadar, Y. Ben-David Kolikant</i>	7044
A COMPARATIVE TO UNDERSTAND E-LEARNING IN PANDEMIC BETWEEN SECONDARY AND UNIVERSITY STUDENTS <i>M. Martínez-Gómez, E. Bustamante García, C. Berná-Escriché, A. Pérez Avellaneda</i>	7049
LEARNING TO PROVIDE ADVICE ON THE HUMAN MICROBIOTA: ESSENTIAL ACTIVITY FOR NUTRITIONISTS, PHARMACISTS, AND FOOD SCIENCE TECHNOLOGISTS <i>P. Ortiz-Sandoval, A. Lopez-Moreno, A. Torres-Sanchez, A. Matilla, G. Luque, E. Gómez, A. Suárez-García, M. Monteoliva-Sanchez, M. Aguilera-Gomez, A. Ruiz-Rodriguez</i>	7056
THE IMPLEMENTATION OF THE DESIGN OF THINKING AND CO CREATION THEORIES IN HEI THROUGH T-CREPE PROJECT <i>M. Sigala, E. Vardakosta, G. Priniotakis, E. Gyalinou, D. Nikolopoulos, A. Tsikritsis</i>	7066
3D TECHNOLOGIES FOR DIGITALIZATION AND CREATION OF NEW EDUCATIONAL RESOURCES IN ENGINEERING <i>D. Chikurtev, A. Chikurteva, S. Gyoshev</i>	7073
EXPERIENCE FROM THE FIELD IN SIERRA LEONE ON CAPACITY BUILDING OF MEDICAL PARASITOLOGY <i>A. Peña-Fernández, M.A. Peña, G. Torrado, R.E. Guetiya Wadoun</i>	7082
TRAINING TO RESPOND TO PHARMACEUTICALS AND PERSONAL CARE PRODUCTS IN THE FOOD CHAIN <i>A. Peña-Fernández, G. Torrado, M.D. Evans, M.A. Peña</i>	7088
ELECTRONIC EXAMS WITH LARGE STUDENT COHORTS IN THE CLASSIC LECTURE HALL - AN IMPOSSIBLE VENTURE? CONCEPTS AND PRACTICAL EXPERIENCE WITH BIG BYOD EXAMINATIONS AT THE TECHNICAL UNIVERSITY OF MUNICH <i>M. Baume</i>	7093
READINESS FOR CHANGES IN LIFE AND EXPERIENCING THE EXISTENTIAL FULFILLMENT OF LIFE AMONG UNIVERSITY STUDENTS <i>G. Kozhukhar, E. Breus, A. Belousova</i>	7094

ONLINE PROCTORED EXAMS DURING THE COVID-19 PANDEMIC AT THE TECHNICAL UNIVERSITY OF MUNICH: HOW HAVE STUDENTS' PERCEPTIONS OF THIS EXAMINATION FORMAT CHANGED OVER THE COURSE OF FOUR PANDEMIC SEMESTERS?	7099
<i>M. Baume</i>	
THE UTILITY OF KAHOOT! TO EVALUATE CONCEPTUAL KNOWLEDGE ASSIMILATION IN THE SUBJECT "CELL BIOLOGY" IN THE DEGREE OF DENTISTRY	7110
<i>A. Bizy, C.J. Calvo, L. Such-Miquel, M.M. Bernabé Villodre, M. Zarzoso-Muñoz</i>	
CROATIAN TEACHING IN THE REPUBLIC OF SERBIA: TEACHERS' EXPERIENCES	7114
<i>A. Ordulj, R. Bušljeta Kardum, M. Uršal, L. Andreis</i>	
ENGLISH EDUCATION IN ITALY: A CASE STUDY	7115
<i>M. Verardi</i>	
TEACHERS' PERSPECTIVES OF THE IMPACT OF EMERGENCY REMOTE TEACHING ON ENGLISH AS A FOREIGN LANGUAGE STUDENTS WITH SPECIAL EDUCATIONAL NEEDS	7119
<i>A. Gatsotis, D. Vlachopoulos</i>	
USE OF SUBTITLED FILMS TO IMPROVE LISTENING IN ENGLISH FOR HIGH SCHOOL STUDENTS	7124
<i>A. Zambrano Delgado, R. Macias Sera, V. Alcivar Calderon, M.G. Maranon Delgado</i>	
USE OF GAMES TO IMPROVE READING COMPREHENSION IN ENGLISH FOR HIGH SCHOOL STUDENTS	7129
<i>M.G. Maranon Delgado, V. Alcivar Calderon, R. Macias Sera, A. Zambrano Delgado</i>	
SERVICE-LEARNING AND CASE-BASED ACTIVITIES IN PRACTICAL WORKSHOPS TO ENHANCE ACTIVE LEARNING AND INSTRUMENTAL SKILLS	7134
<i>C.J. Calvo, A. Bizy, M. Zarzoso-Muñoz</i>	
EMPOWERING YOUNG PROFESSIONALS THROUGH MENTORING: A PRACTICAL EXAMPLE FROM LOGISTICS	7142
<i>S. Eitler, R. Schodl</i>	
INTERCULTURAL SKILLS ACQUISITION THROUGH VIRTUAL EXCHANGE EXPERIENCES: GAINING AN EDGE IN INTERNATIONAL BUSINESS EDUCATION	7147
<i>E. Buckwalter, S. Robinson</i>	
TRAINING PHYSICS TEACHERS FOR EFFECTIVE ONLINE LESSONS: A VIRTUAL SCHOOL EXPERIENCE	7156
<i>M. Carli, O. Trevisan, L. Gabelli, S. Lippiello, M. Phillips, R. Gargiso, T. Mannix</i>	
SUPERVISED TEACHING PRACTICE: A WAY TO (RE)DEFINE THE INITIAL TRAINING OF STUDENTS IN HIGHER EDUCATION	7166
<i>M.F. Sampaio, M.F. Caldeira</i>	
A PROJECT TOWARD ASSEMBLING OF A NEXT-GENERATION ICT LEARNING ENVIRONMENT FOR CONTINUOUS LEARNING	7172
<i>R. Matsuba, A. Kai, T. Nagai, S.I. Kubota, Y. Suzuki, N. Hiraoka</i>	
INTERNATIONALISATION OF THE LEARNING- TEACHING PROCESS AT LATVIA UNIVERSITY OF LIFE SCIENCES AND TECHNOLOGIES (LATVIA) AND UNIVERSITY OF TOKUSHIMA (JAPAN) THROUGH INTERNATIONAL PROJECT ACTIVITIES	7177
<i>D. Grasmane, I. Gode</i>	
MOTIVATION TO STUDY COMPUTER SCIENCE AT UNIVERSITY	7189
<i>R. Suviste, S. Lannes, M. Säde</i>	
PROMOTING SOCIAL COOPERATIVE ENTREPRENEURSHIP IN HIGHER EDUCATION: A PRACTICAL CASE OF AN INTERNATIONAL JOINT EDUCATION PROJECT	7195
<i>R. Khan, M. Suonpää</i>	
DESIGN OF ADAPTIVE MICRO-MODULES FOR AI-RELATED COURSES USING 2D DEPTH MATRIX	7203
<i>H. Mokayed, M. Liwicki</i>	
SERIOUS GAMES IN LEARNING FOREIGN LANGUAGES: EDUCATIONAL BENEFITS	7208
<i>E. Vakoula, P. Psomos</i>	
DISTANT VS FACE-TO-FACE VS HYBRID LEARNING: PROS & CONS FOR PROFESSIONAL EDUCATION	7215
<i>I. Burak, T. Razumova</i>	
RELATIONSHIP BETWEEN ACADEMIC ACHIEVEMENT AND THE ESTIMATED FINANCIAL STATUS OF STUDENTS WHO ARE PERCEIVED BY THEIR CLASSROOM TEACHERS TO HAVE BEHAVIORAL DIFFICULTIES	7219
<i>N. Vlah, I. Batarelo Kokić</i>	

DESIGN AND APPLICATION OF AN ORIGINAL APP OF QUIZZES IN REAL TIME WITH GAMIFICATION ELEMENTS: A PILOT EXPERIENCE IN HIGHER EDUCATION ACCOUNTING SESSIONS	7223
<i>L. Saraitė-Sariene, C. Herrero-Sánchez, A. Haro-de-Rosario, A. Sáez-Martín, M. García-Tabuyo, M. Sierra-Fernández</i>	
A MULTI-STAGE APPROACH FOR INTRODUCING IOT PROTOTYPING INTO STEM-DRIVEN COMPUTER SCIENCE EDUCATION	7224
<i>R. Burbaitė, V. Štuikys, G. Ziberkas, R. Kubiliūnas</i>	
ALBERTO MANZI: POPULAR EDUCATION AND ADULTS' LITERACY. PEDAGOGY AND TEACHING STRATEGIES FROM TELEVISION BROADCASTS	7234
<i>C. Paganoni</i>	
SOCIAL MEDIA IN EDUCATION	7240
<i>S. Alles</i>	
INTRODUCING AN OPEN-SOURCE SOFTWARE FOR THE ENTERPRISE RESOURCE PLANNING IN THE BUSINESS MANAGEMENT DEGREE	7250
<i>A. Puig-Denia, B. Forés, J.M. Fernández-Yáñez, M. Boronat-Navarro</i>	
SUPPORTING PRIMARY STUDENTS' AGENCY AT SCHOOL THROUGH LIFE-WORLD EXPERIENCES	7259
<i>K. Nurmik, I. Timoštšuk</i>	
GOMA: AN ACTIVE PROGRAM THAT AIMS TO EMPOWER STUDENTS IN RURAL AREAS THROUGH EDUCATION AND SCIENCE	7267
<i>R. Branquinho, C. Sarabando, S. Ambrósio, C. Damião, J. Duarte</i>	
THE PHENOMENON OF ORCHESTRAL PRACTICE: IMPLICATIONS FOR STUDENT MOTIVATION AND LEARNING - TEACHERS' POINT OF VIEW	7276
<i>A. Fonseca</i>	
COUNTERING ONLINE DISINFORMATION IN ROMANIA: MEDIA LITERACY AS PART OF A WIDER FRAMEWORK	7285
<i>F. Durach, A. Ionescu, I. Călin, M. Enache</i>	
IN-SERVICE TRAINING FOR TEACHERS IN ENTREPRENEURSHIP EDUCATION IN ESTONIA	7296
<i>Ü. Kesli, M. Partei, L. Ariva</i>	
EMPOWERING SCIENTISTS TO COMMUNICATE SCIENCE - THE CASE OF SMALL-SCALE BIOLOGICAL COLLECTIONS	7306
<i>B. Vieite, A. Ravara, M.R. Cunha, P. Beça</i>	
SCHOOL LEADERS: FROM CRISIS MANAGEMENT TO DIGITAL TRANSFORMATION?	7310
<i>C. Caneva, C. Pulfrey</i>	
COACHING TEACHERS IN A DIGITAL EDUCATION REFORM: WHAT IS THE ROLE OF INSTRUCTIONAL COACHES?	7321
<i>C. Caneva, C. Pulfrey</i>	
THE CONTRIBUTION OF SCHOOL NETWORKS IN THE IMPLEMENTATION OF PUBLIC POLICIES: WHEN A RESEARCH PROJECT BECOMES A RESEARCH OBJECT – THE CASE STUDY OF THE ESCXEL NETWORK IN PORTUGAL	7322
<i>L. Pascueiro, P. Reis</i>	
MOTIVATION AND LEARNING STRATEGIES OF HEALTH SCHOOL STUDENTS FOR INFORMATICS COURSES	7328
<i>J. Šimunović, M. Mladenović, A. Alajbeg</i>	
WHAT CAN WE LEARN FROM DESIGNING A LEARNING GAME?	7337
<i>M. Voss, A. Geniets, N. Winters</i>	
MENTORING AND TUTORING: PROPAEDEUTIC PHYSICS	7342
<i>J. Daza, M.L. Escoda, M. Soler, J. Planella, J.J. Suñol</i>	
NEW TECHNOLOGIES APPLIED TO A PHYSICS LABORATORY	7347
<i>M.L. Escoda, M. Soler, J. Daza, J. Planella, J.J. Suñol</i>	
MOBILE LEARNING TRENDS AND USE IN ENGINEERING EDUCATION	7354
<i>L. Galleguillos Peralta, P. Backhouse, R. Romero, I. Santelices</i>	
DIGITAL TRANSFORMATION IN HIGHER EDUCATION: HOW LEGO® SERIOUS PLAY® EXPLORATORY STUDY MADE IT FUN	7365
<i>T. Lucio Nieto, Y. Martinez Treviño</i>	
AN EARLY PREDICTION OF ACADEMIC SUCCESS USING MULTI-SOURCE DATA MINING AND MACHINE LEARNING ALGORITHMS FOR STUDENTS TAUGHT IN ONLINE AND HYBRID MODES AFTER COVID-19	7374
<i>N. Anderson, A. McGowan, L. Galway, J. Adhikari, D. Cutting</i>	

CASE STUDY ON IMPROVING ADULT LEARNING	7375
<i>L.G. Popescu</i>	
CONNECTING THE DISCONNECTED: A STUDY OF ONLINE THEATRE LEARNING AND PRACTICE BY UNIVERSITY STUDENTS DURING THE COVID-19 PANDEMIC	7383
<i>M. Yang</i>	
COORDINATED TEACHING OF POWER SYSTEM SIMULATION IN A UNIVERSITY MULTICAMPUS STRUCTURE	7389
<i>M. Cañas-Carretón, A. Honrubia-Escribano</i>	
THE INFLUENCE OF FAMILY EDUCATION AND THE SCHOOL ENVIRONMENT ON MINIMIZING BULLYING IN SECONDARY SCHOOL STUDENTS	7398
<i>G. Gabrhelová, Z. Geršicová, B. Mačová, M. Masáriková</i>	
THE “STOP, PAUSE, AND BREATHE” DIGITAL MOVEMENT!	7405
<i>M. Regester</i>	
DEVELOPMENT OF HARD SKILLS FOR THE PROCESS OF DIGITAL ENTREPRENEURIAL EDUCATION IN HIGHER EDUCATION INSTITUTIONS	7406
<i>A.P. Garcez, M. Franco, R. Silva</i>	
TALK LIKE A PRO: FROM PSYCHOPEDAGOGICAL PROJECT TO SKILLS TRAINING	7412
<i>C. Costa-Lobo, H. Wafunga, V. Capellini, A. Vazzoler-Mendonça</i>	
THE ROLE OF THE INTERNSHIP MENTOR IN DEVELOPING THE SKILLS OF ENGINEERING STUDENTS	7417
<i>L.G. Popescu</i>	
HIGHER EDUCATION COURSES – BEFORE, DURING AND AFTER THE COVID-19 CRISIS	7422
<i>P. Mihnev, T. Zafirova-Malcheva</i>	
ACCELEROMETER-MEASURED PHYSICAL ACTIVITY IN PORTUGUESE CHILDREN FROM A RURAL AREA: A SCHOOL-BASED CROSS-SECTIONAL STUDY	7433
<i>C. Vasques, T. Sampaio, J. Teixeira, S. Ginja, P. Magalhaes</i>	
DESIGN, DEVELOPMENT & EVALUATION OF A SERIOUS GAME ON COMPUTATIONAL THINKING	7441
<i>P. Psomos</i>	
THE DEVELOPMENT OF A SOCIAL-HAPTIC COMMUNICATION DICTIONARY, A NEW COMMUNICATION RESOURCE FOR THE DEAFBLIND IN ITALY	7442
<i>L. Volpato</i>	
HOW DO NLP-SUPPORTED SCAFFOLDING TECHNIQUES SUPPORT STUDENTS’ WRITTEN REFLECTIONS?	7450
<i>A. Butt, S. Anwar, M. Menekse</i>	
SELF-ACTUALIZATION FEATURES AMONG EU AND RUSSIAN UNIVERSITY STUDENTS	7451
<i>I. Novikova, A. Guseynova, B. Vayderman</i>	
SUPPORTING TEACHERS’ PROFESSIONAL DEVELOPMENT ON INCLUSIVE LEARNING DESIGN: A CASE STUDY OF AN ERASMUS+ PROJECT	7456
<i>D. Persico, F.M. Dagnino, F. Manganello, M. Passarelli, F. Pozzi, N. Nikolova, K. Stefanov, K. Anagnostou, T. Georgieva, C. Kyriakides, M. Lonigro</i>	
PROPOSALS FOR THE IMPLEMENTATION OF AN AUTOMATED SYSTEM FOR ONTOLOGIES COMPARING	7465
<i>E. Smirnova, E. Manyashev, E. Gavrilova</i>	
KNOWLEDGE PILLS TO REINFORCE THE TEACHING-LEARNING IN THE PHARMACY DEGREE AT UCLM	7474
<i>J.M. Sánchez, A. Sánchez, J.A. Castro, J.C. García, G. Blázquez, A. Sousa, J. Tolosa, C. Alonso, M.L. Nueda, V. Rodríguez, M. Zougagh, A. Garzón, I. Bravo, C. Martín, M.F. Galindo, M.J. Santander-Ortega, P. Clemente-Casares, M.T. Alonso, M.R. Fernández-Santos</i>	
CORRELATION OF UNIVERSITY ENTRANCE EXAM SCORES WITH UNIVERSITY PERFORMANCE	7479
<i>J.A. López-Vázquez, A. Suárez-García, E. Arce-Fariña, R. Devesa-Rey, M. Novo-Pérez</i>	
ASSOCIATIONS BETWEEN BULLYING VICTIMIZATION, HARM SEVERITY PERCEPTION AND LOW ACADEMIC PERFORMANCE	7483
<i>V. Marcos, A. Montes, M. Novo-Pérez, J. Sanmarco</i>	
CLOSENESS AND CONFLICT BETWEEN TODDLERS AND EARLY CHILDHOOD EDUCATORS: WHAT IS THE ROLE OF THEIR PERSONAL CHARACTERISTICS?	7488
<i>S. Tatalović Vorkapić</i>	

EFFECTIVENESS OF CONCEPT CARTOONS USAGE ON STUDENTS' ATTITUDES TOWARDS PRIMARY SCIENCE CLASSES <i>A. Letina</i>	7498
INTRODUCTION OF SELF-PACED METHODOLOGIES IN BASIC ELECTRONICS LABORATORIES <i>E.G. Marin, A. Toral-Lopez, J. Cuesta-Lopez, A. Medina-Rull, F. Ruiz, A. Godoy, J. Banqueri, S. Cuadros, M.C. Fernandez, F. Pasadas</i>	7506
USING IPAC (INDIVIDUAL PEER ASSESSMENT OF CONTRIBUTION) SCORES TO INVESTIGATE INTERNATIONAL STUDENT COLLABORATION IN GROUP WORK <i>P.Y. Lam, T. Sharma, M.G. Sagoo, A. Wu</i>	7507
WHAT DO PARENTS THINK ABOUT THEIR COOPERATION WITH KINDERGARTEN AND THE LOCAL COMMUNITY DURING THEIR CHILDREN'S TRANSITIONS? – EMPIRICAL STUDY FROM CROATIA <i>S. Tatalović Vorkapić, D. Napijalo, D. Anđić</i>	7518
GOOD PRACTICE IN RESEARCH <i>F.J. Arteaga, A.I. Peirats</i>	7527
GOOD PRACTICES IN IMPROVING THE PROMOTING PROCESS OF FRENCH LANGUAGE PROGRAMS <i>M.V. Zerbes, D. Baron, R. Roman, L.G. Popescu, A. Olteanu</i>	7532
A SUGGESTIVE COURSE DESCRIPTION ON FORM DESIGN PRACTICE IN THE ARCHITECTURE STUDIO <i>M. Pirdavari</i>	7541
THE IMPACT OF FORM DESIGN PRACTICES ON THE STUDENTS' PERFORMANCE IN ARCHITECTURE DESIGN STUDIO. IMPROVING STUDENTS' ABILITY IN FORM FINDING AND DESIGN CREATIVITY: ANALYZING THE CASE STUDY OF DESIGN PROCESS GROUP'S ARCHITECTURE COMPETITIONS <i>M. Pirdavari, Z. Akbari</i>	7551
USING IMMERSIVE ENVIRONMENTS TO IMPROVE MOTOR PERFORMANCE IN FOOTBALL <i>A.B. Stănescu, A. Antonescu, R.V. Rughiniș</i>	7561
"THE GOLDEN TRIANGLE" – CULTIVATING ACADEMIC VOCABULARY TO PROMOTE LITERACY IN ARABIC AS A FIRST LANGUAGE IN MIDDLE SCHOOLS <i>B. Makhoul, T. Copti-Mshael, E. Olshtain</i>	7570
WHAT ARE THE PROBLEMS LIKE IN THE WORLD'S LARGEST INTERNATIONAL MATHEMATICAL OLYMPIAD? <i>M. Akveld, L. Caceres, O. Colon</i>	7580
A SOFTWARE MODEL COMPARISON APPROACH DESIGNED FOR SELF-ASSESSMENT TUTORIALS <i>S. Vaupel, D. Waldmann</i>	7581
NEW LEARNING OBJECTIVES FOR LANGUAGE AND COMMUNICATION TEACHING IN THE DIGITAL AGE: THE 2DIGI2 PROJECT IN FINLAND <i>D. Erent</i>	7591
CREATIVE AND INVENTIVE DESIGN SUPPORT SYSTEM: DX APPLICATION DESIGN PROCESS FOR STUDENT EDUCATION VIA A PROJECT-BASED LEARNING ENVIRONMENT <i>Y. Otsuka, M. Tsukamoto, H. Hasegawa</i>	7592
THE EDUCATION FOCUSED PROGRAM AT UNSW – BUILDING EDUCATIONAL ACADEMIC CAREERS IN A RESEARCH-INTENSIVE UNIVERSITY <i>K. Watson, C. Fleischer</i>	7600
HOW CAN THE USE OF PARTICIPATORY AND CO-CREATION APPROACHES ENHANCE YOUNG PEOPLE'S CIVIC PARTICIPATION FOR CLIMATE CHANGE ADAPTATION? <i>S. Pinheiro, A.C. Torres, J. Diógenes-Lima, B. Pereira, C. Malafaia</i>	7604
PERCEPTION OF DIGITAL TEACHER COMPETENCIES AMONG MEXICAN STUDENTS IN TEACHER TRAINING INSTITUTIONS <i>P.J. Canto Herrera, H.S. Flores Castro, A.S. Esquivel Guemes</i>	7611
DISTANCE LEARNING MODELS FOR ACADEMIC CONTINUITY DURING THE COVID-19 PANDEMIC <i>R. Benitez-Medina, S. Juárez Ordoñez, M. Uribe-Packza</i>	7612
ADVANCING STUDENT ENGAGEMENT THROUGH VIDEO ASSESSMENT FOR SKILL DEVELOPMENT AND FEEDBACK <i>P. Cancro, R. Best, L. Boblely, I. Rabinovitch</i>	7618

LEARNING HISTORY AND STUDENTS' SELF-AWARENESS OF ACADEMIC PROCRASTINATION IN ON-DEMAND COURSES	7619
<i>Y. Suzuki, S. Kubota, R. Matsuba, E. Kamishiraki, T. Obata, M. Nakashima</i>	
VISUAL COMMUNICATION DESIGN AND SUSTAINABILITY: REFLECTIONS FROM A PILOT COURSE WITH DESIGN FOR SUSTAINABILITY METHODS AND TOOLS	7624
<i>T. Bui, T. Ngo, P. Dang</i>	
CINEMA AND TV SERIES AS A PEDAGOGICAL RESOURCE IN ENGINEERING	7634
<i>E. Duran, M. Lorite-Diez</i>	
EDUCATION FOR SUSTAINABILITY THROUGH RENEWABLE ENERGY	7639
<i>D.T. Cotfas, P.A. Cotfas</i>	
THE INSTRUCTORS PERSPECTIVE REGARDING CAMERA USE IN DISTANCE LEARNING: ITS IMPACT ON BOTH INSTRUCTOR AND STUDENTS	7649
<i>S. Alim, S. Petsangsri, J. Morris</i>	
DYNAMICS OF THE SUPERVISION'S REQUESTS AMONG PSYCHOLOGICAL STUDENTS AT THE PSYCHOLOGICAL CLINIC OF ST. PETERSBURG STATE UNIVERSITY	7658
<i>E. Zinovyeva, N. Iskra</i>	
THE USE OF ART THERAPY TECHNIQUES IN THE MANAGEMENT OF THE EMOTIONAL STATE OF MILITARY PERSONNEL	7664
<i>Z. Madaliyeva, G. Kassen, N. Sadykova, L. Bainoldina, A. Gabdrakhman</i>	
BARRIERS IN THE SCHOOLING OF ADOPTED CHILDREN	7673
<i>N. Iskra, T. Dorofeeva</i>	
FUTURE OF INTERNATIONAL TERTIARY EDUCATION - OPERATING IN AN INSULAR WORLD	7678
<i>I. Meyer</i>	
THE PRACTICE OF INTERDISCIPLINARITY IN NEW ENGINEERING EDUCATION: CASE STUDIES FROM CHINA'S HIGHER EDUCATION INSTITUTIONS	7684
<i>X. Guo, Z. Zou, L.R. Zheng</i>	
STUDENT VOICE AND TEACHER ROLE: VIEWS OF PRE-SERVICE TEACHERS IN GREECE	7689
<i>K. Tsoli</i>	
THE IMPACT OF THE PANDEMIC ON UNIVERSITY STUDENTS AND TEACHERS	7699
<i>K. Kovacikova, M. Kovacikova, M. Balaz</i>	
THE IMPACT OF DUAL LEARNING IN HIGHER EDUCATION	7704
<i>A. Willems, M. De Wolf, S. Timmers, S. Bruneel</i>	
THEORETICAL-PRACTICAL CONFERENCES DELIVERED BY FORMER STUDENTS TO IMPROVE THE TRAINING AND MOTIVATION OF UNIVERSITY STUDENTS	7705
<i>N. Casado, J. Gañán, I. Sierra, S. Morante-Zarzero</i>	
DEVELOPMENT OF A SYSTEM TO SUPPORT GRASPING FOSTERING STATUS OF STUDENTS' QUALITIES AND ABILITIES FROM TEXT DATA OF REFLECTIONS ON LEARNING	7713
<i>K. Hagiwara, K. Maruyama, Y. Morimoto</i>	
CHOICE LEARNING THROUGH PLATFORMS IN ACCOUNTING EDUCATION	7723
<i>T. Filer, L. Davies</i>	
DEVELOPMENT OF A SUPPORT SYSTEM OF REFLECTION ON LEARNING IN METAVERSE USING CHANGE-POINT DETECTION	7724
<i>R. Tanaka, H. Edakubo, Y. Morimoto</i>	
PERSONALISED AND DEEPER LEARNING OPPORTUNITIES USING LEARNING EXPERIENCE PLATFORMS	7734
<i>E. Pranckūnienė, R. Girdzijauskienė</i>	
GAMIFICATION EXPERIENCE COORDINATED BETWEEN SUBJECTS OF THE DEGREE IN FOOD SCIENCE AND TECHNOLOGY AT THE REY JUAN CARLOS UNIVERSITY THROUGH SEVERAL ACADEMIC YEARS (2019-2023)	7742
<i>N. Casado, J. Gañán, S. Morante-Zarzero, G. Martínez García, D. Pérez-Quintanilla, I. Sierra</i>	
INTERNAL INFORMATION FLOW IN A HIGHER EDUCATION INSTITUTION: AN EXAMPLE FROM THE FACULTY OF SOCIAL SCIENCES OF UNIVERSITY OF TARTU	7752
<i>H. Urmann, E. Tubelt</i>	
COMPETENCE DEVELOPMENT THROUGH CHALLENGE BASED LEARNING EXPERIENCES	7760
<i>J. García-Hernández, C. Barrera, M.L. Castelló, A. Heredia, L. Seguí Gil</i>	

ENHANCING LIBRARIAN SKILLS WITH THE BIBLIO MOOC	7771
<i>A. Kameas, E. Georgakakou, I. Messalas</i>	
DEVELOPMENT OF A SYSTEM FOR LEARNING PATENT ACT TEXTS WHILE DRAWING THE MODIFICATION STRUCTURE BETWEEN CLAUSES OF THE TEXTS	7777
<i>T. Akakura, T. Kano</i>	
USING GA4 MEASUREMENTS TO CHARACTERIZE THE USE OF BIOSTATISTICS ONLINE SUPPORT DOCUMENTATION	7787
<i>J. Cruz, A. Freitas</i>	
DESIGNING E-LEARNING ACTIVITIES FOR SENIOR LEARNERS BASED ON CORE DRIVE ANALYSIS USING THE OCTALYSIS GAMIFICATION FRAMEWORK: RESULTS FROM THE EPA-COACH PROJECT	7792
<i>I. Buchem, V. Kauth, M. Kirschen, M. Katzer</i>	
IMPROVING CULTURAL RELATIONS BETWEEN POLYTECHNIC SCHOOLS OF NAPLES AND MADRID BY UNIVERSITY WORKSHOPS ON URBAN LANDSCAPE BETWEEN MATERIALS AND TECHNIQUES	7802
<i>R. Castelluccio, M. Fumo, G. D'Angelo</i>	
HOW IMPORTANT IS THE DISSEMINATION OF SCIENTIFIC KNOWLEDGE IN KIDS? WHEN THE FACULTY OF PHARMACY GOES TO SCHOOL	7808
<i>J. González Fuentes, J. Laborda, P. Clemente-Casares, M.V. Lozano, C. Ripoll, C. García, M.M. Arroyo-Jiménez, N. Villaseca-González, T. Argente, L. Castro-Vázquez, A. Sousa, A. Ruiz, J.C. García, M.R. Fernández-Santos, M.F. Galindo, E. Domínguez, D. Herrera, D. Capilla, I. Posadas, M.D. Pérez-Carrión, J. Selva, M.J. Santander-Ortega, C. Martín</i>	
ONLINE COURSE FOR ENHANCING TEACHERS' DIGITAL SKILLS THROUGH COLLABORATIVE AND PEER LEARNING	7814
<i>T. Panagiotakopoulos, F. Lazarinis, A. Kameas</i>	
IMPLEMENTING THE SUSTAINABLE DEVELOPMENT GOALS IN HIGHER EDUCATION: A RESEARCH AGENDA	7822
<i>R. González-Sánchez, M. Torrejón-Ramos, S. Alonso-Muñoz</i>	
NEW ATTEMPT TO FACILITATE TEAMWORK LEARNING AND FAIR ASSESSMENT OF COLLABORATIVE PROJECTS IN HIGHER EDUCATION	7830
<i>N. Rojo, A. Barona, B. Fernandez-Gauna, Z. Gomez de Balugera, D. Encinas</i>	
MAPPING THE ROLE OF ETHICS IN THE SUSTAINABILITY REPORTING. IMPLICATIONS FOR EDUCATION INSTITUTIONS	7837
<i>V. Correa Porcel, M.P. Casado Belmonte, M.M. Capobianco-Urriarte</i>	
THE ATTITUDE OF HIGH SCHOOL TEACHERS TO THE DIMENSION OF INTERNATIONALITY IN PEDAGOGICAL STUDIES	7838
<i>D. Straksiene, I. Kaffemaniene, E. Masiliauskiene, D. Razmaite</i>	
THE SCIENCE MAILBOX: SCIENTIFIC OUTREACH ON SOCIAL MEDIA DURING THE PANDEMIC	7844
<i>C. Cela Rodríguez, C. Majano López de Madrid, C.L. Utrilla Carriazo</i>	
WHEN ART MEETS PHYSICS: THE PERFECT ASYMMETRY	7852
<i>D. Domenici, E. Dané, E. Patrignanelli, S. Bertelli, P. Scoppola</i>	
RELATIONSHIP BETWEEN LEARNING AND CAREER DEVELOPMENT IN THE CIVIL SERVICE	7856
<i>A. Valickas, R. Pilkauskaite Valickiene</i>	
RE-IMAGINING ASSESSMENT IN A POST PANDEMIC WORLD	7860
<i>S. Ratner</i>	
FUTURE TEACHERS' OPINIONS ON THE QUALITY OF STUDIES AND THE POSSIBILITIES OF INTERNATIONALIZATION IN TEACHER TRAINING STUDY PROGRAMS	7867
<i>I. Kaffemaniene, D. Straksiene, E. Masiliauskiene, D. Razmaite</i>	
COUPLED HUMAN ACTION AS A CURRICULUM SUBJECT: THE URGENT NEED FOR RESTORATIVE HUMAN ACTION IN SCIENCE AND LEISURE	7876
<i>P. Felicio, M.L. Spazziani, N.N. Rumenos, E.J. Manoel</i>	
IDEAL PROJECT - INCLUSIVE DIGITAL EDUCATION FOR AUTISTIC PEOPLE LEARNING	7881
<i>M. Corbí, S. Rodríguez-Cano, J.L. Cuesta-Gómez, P. Morais-Barcina, M. Merino, M. Gómez-Gentil</i>	
USING THE ONLINE GAME 'WORDLE' IN THE LANGUAGE CLASSROOM	7882
<i>S. Connor</i>	
THE IMPORTANCE OF OUTDOOR SPACES IN THE DEVELOPMENT OF CHILDREN'S COMPETENCIES AND MOTOR AND SOCIAL SKILLS	7886
<i>C. Vasques, C. Ribeiro, C. Mesquita</i>	

A FRAMEWORK FOR TERTIARY CONSTRUCTION MANAGEMENT HEALTH AND SAFETY EDUCATION <i>J. Smallwood</i>	7887
THE LIVERPOOL EDUCATOR EXPERIENCE: ENHANCING REGISTERED HEALTHCARE EDUCATORS' EXPERTISE AND CONFIDENCE DURING THE COVID 19 PANDEMIC BY DEVELOPING AN ONLINE COURSE <i>D. Prescott, S. Canning, V. Barnes-Brown, M. Pountney</i>	7892
SYNTHESIZING A CONCEPTUAL FRAMEWORK FOR ASSESSMENT IN ONLINE EDUCATION <i>A. Millet, E. Dinc</i>	7893
COMPETENCES OF EMPLOYEES OF INDUSTRIAL ENTERPRISES IN ACCORDANCE WITH THE INDUSTRY 4.0 REQUIREMENTS <i>N. Vraňaková, M. Ml̄kva, P. Szabó</i>	7900
EVALUATION BEFORE AND AFTER THE COVID PANDEMIC: THE CASE OF UNIVERSIDAD AUTÓNOMA METROPOLITANA <i>M.G. Castillo-Tapia, J. Figueroa-González, S.B. González-Brambila, B.A. González-Beltrán, L. Sánchez-Guerrero</i>	7908
A MAN WHO MAKES NO MISTAKES USUALLY DOES NOTHING - THE ACADEMIC AND BUSINESS APPROACH TO GAME DEVELOPMENT EDUCATION - A CASE STUDY <i>M. Badurowicz, P. Gałach, S. Skulimowski</i>	7916
EVALUATION AND APPLICATION OF THE METHOD PROBLEM & PROJECT-BASED LEARNING IN THERMODYNAMICS FOR SUSTAINABILITY: 4E TECHNIQUES <i>S. Sánchez Orgaz, I. López Paniagua, C. González Fernández, J. Rodríguez Martín, A. Jiménez Álvaro</i>	7923
VISUAL LEARNING STATISTICS, WHAT CAN BE LEARNED FROM VISUALIZING DATA IN AN EDUCATIONAL ENVIRONMENT? <i>B.A. González-Beltrán, J. Figueroa-González, L. Sánchez-Guerrero, S.B. González-Brambila</i>	7930
PERCEPTIONS OF HIGHER EDUCATION STUDENTS ON REMOTE EDUCATION AFTER THE COVID-19 CRISIS <i>S. Sá, M.C. Fierro-Evans, A. Veraksa, C.A. Gomes, C.A. Meneses Sousa</i>	7937
GAMES LEARNING AS A SUPPORT FOR UNIVERSITY EDUCATION <i>P. Szabó, N. Vraňaková, M. Ml̄kva, S. Janík</i>	7942
IMAGINING A NEW ERA OF EDUCATION: THE INEVITABILITY OF EMBRACING DIGITAL TRANSFORMATION <i>H. Schoeman, K. Naidoo</i>	7948
SIMULATING AN INSTAGRAM EMPLOYER BRANDING CAMPAIGN BY IMPLEMENTING AGILE METHODOLOGIES <i>L. Andreu, S. Arenas, A. Soler, R. Porcuna</i>	7961
FAMILY AND PARENTING: A STUDY OF SUPPORT NEEDS IN TIMES OF COVID-19 IN THE ANGOLAN CONTEXT <i>C. Calengue, S. Sá</i>	7965
CHANGES IN THE PRIORITY OF EDUCATION IN INDUSTRIAL ENTERPRISES IN SLOVAKIA <i>Z. Gyurák Babel'ová, E. Kubišová, D. Babčanová</i>	7966
A LECTURER'S PERSPECTIVE ON A STUDENT-CENTRED LEARNING EXPERIENCE <i>H. Schoeman</i>	7974
SELECTED ASPECTS OF EDUCATION AT THE COLLABORATIVE WORKPLACES IN INDUSTRIAL ENTERPRISES <i>A. Pauliková, L. Jurík, Z. Gyurák Babel'ová</i>	7983
THE IMPACT OF REMINDER NUDGE ON STEM STUDENTS' APPLICATION ENGAGEMENT <i>A. Butt, M. Menekse</i>	7992
THE SOCIAL TURN IN SECOND LANGUAGE WRITING INSTRUCTION: A QUARTER-CENTURY OF RESEARCH <i>R. Lavin</i>	7993
RESPONDING TO A PANDEMIC, A PAN-INSTITUTE APPROACH <i>N. Harding, E. Kelly, G. McDermott, AM. O'Brien, C. O'Donoghue, N. Tierney, D. O'Hanlon, S. Ryan, G. Stack</i>	7998
CONSEQUENCES OF PSYCHOLOGICAL OWNERSHIP ON THE DEVELOPMENT OF OPEN EDUCATION RESOURCES (OER) <i>A. Schneider, M. Baumgart, C. Lindner</i>	7999

A CRITIQUE OF THE METHODOLOGICAL APPROACHES FOR CRITICAL REALISM (CR) USING A THEORY-DRIVEN RESEARCH DESIGN UNDERPINNED BY SOCIAL PRACTICE THEORY (SPT) <i>N. Harding</i>	8000
THE IMPORTANCE OF STUDENT EDUCATION IN THE FIELD OF CIVIL PROTECTION FOR SECURITY IN MUNICIPALITIES <i>J. Kubás</i>	8001
THERE'S NO PLACE LIKE THE CURRICULUM FOR INTERNATIONALISATION AT HOME <i>E. Kelly, C. O'Donoghue</i>	8007
THE USE OF VIRTUAL REALITY FOR THE EDUCATION OF CRISIS MANAGERS IN MUNICIPALITIES <i>A. Kelšček, J. Kubás, M. Ballay, K. Petrlová</i>	8014
LEARNING ANALYTICS OF TOTEMM VIRTUAL LEARNING RESOURCES - TRANSFORMING TRANSNATIONAL INTERCULTURAL SENSITIVITY FOR MIDWIFERY STUDENTS THROUGH AN INCLUSIVE MOBILITY MODEL <i>M. Pears, J. Henderson, A.M. Smit, M. Van Oost, S. Sara Borrelli, L. Walker, A. Nespoli, S. Fumagalli, S. Mets-Oja, A. Karema, H. Spiby, S. Konstantinidis</i>	8021
DIGITAL TECHNOLOGIES AND INNOVATIVE LEARNING ENVIRONMENTS: A PROJECT FOR STUDYING ITS IMPACT ON STUDENTS' PERFORMANCE AND WELLBEING <i>N. Pedro, L. Sardinha, J. Piedade, E. Cruz, N. Agonács, A. Pedro, A.L. Rodrigues</i>	8031
STUDENTS' CLUSTERING BASED ON THE LMS ACTIVITY <i>D. Oreski, M. Gligora Markovic, N. Kadoic</i>	8041
STATE MANAGEMENT ON DEVELOPING TEACHERS AT GENERAL SCHOOLS IN ACCORDANCE WITH THE NATIONAL EDUCATION SYSTEM FRAMEWORK: A CASE STUDY OF VIETNAM <i>H. Tran Huy, P. Tran Cong, H. Ngo Thi</i>	8048
DEVELOPING CAREER AND ENTREPRENEURSHIP EDUCATION IN ESTONIA <i>M. Partei, L. Ariva</i>	8058
EDUCATIONAL SCIENTIFIC TOURISM: A PROGRAM INCLUDING AN EXPERIMENTAL EDUCATIONAL DESIGN WITH TECHNOLOGICAL TOOLS IN PERU'S UPPER AMAZON CLOUD FOREST AND A PROPOSED ACADEMIC DEFINITION FROM A SYSTEMATIC REVIEW <i>F. Trama, J. López, J. Macavilca, N. Guillen, M. Berto, F. Rizo Patrón</i>	8065
MOBILE TECHNOLOGY FOR PROFESSIONAL DEVELOPMENT AND WELLBEING: THE REFLECTA PROJECT <i>R. Rochon, J. Jackson, J. Knight</i>	8074
SUSTAINABLE DEVELOPMENT ASSESSMENT METHODOLOGY FROM EDUCATION APPLIED TO ADDITIVE MANUFACTURING RESEARCH <i>C. Fredriksson, M. Dwek</i>	8079
INFEN LNF PUBLIC OUTREACH PROGRAM: EXPERIENCES IN BRIDGING SCIENCE AND SOCIETY <i>S. Bertelli, S. Arnone, D. Bifaretti, P. Di Nezza, D. Domenici, E. Patrignanelli, S. Reda, E. Santinelli</i>	8090
ENHANCING PHYSICAL CHEMISTRY KNOWLEDGE AND SOFT SKILLS BY SHORT IN-CLASS ACTIVITIES <i>J. Sanchez-Bodón, C. Martín, A. Benito, I. Rojo Bartolomé, L. Pérez-Álvarez, A.C. Lopes, J.L. Vilas Vilela, L. Ruiz-Rubio</i>	8095
USING MATHEMATICS TO ENHANCE MUSIC EDUCATION THROUGH AUTOMATIC ALGORITHMIC TRANSFORMED MOTIF IDENTIFICATION <i>V. Robila, S. Nita, J. Cho, B. Nita</i>	8099
ADVANCED ANALYSIS OF SCHOLARLY BIG DATA USING BIBLIOMETRIC ANALYSIS AND ARTIFICIAL NEURAL NETWORK MODEL <i>G. Elbiz Arslan, V.M. Yonder, G. Tayfur</i>	8109
THE REPRESENTATION OF YOUNG WOMEN AND THE DYNAMICS OF GENDER VIOLENCE ON TIKTOK: STORIES AND EVIDENCE FOR EDUCATION <i>E. Quiles-Fernández, B. Jarauta Borrasca, Z. Bozu</i>	8118
IMPROVING CUSTOMER SERVICE IN SCHOOLS BASED ON LEAN AND SIMULATION: A CASE STUDY <i>S.S. Cabrera-Paredes, M.L. Gonzales-Cotera, M.F. Ruiz-Ruiz, W. Yushimito</i>	8122
CANSAT SPAIN SCHOOL PROJECT: A NATIONAL STUDENTS' CHALLENGE AND ITS TEACHER TRAINERS NETWORK <i>E. Álvarez Castro, D. Escutia Muñoz, M.I. García Arenas</i>	8131

DESIGNING A BIOCHEMICAL ESCAPE ROOM FOR UNDERGRADUATE STUDENTS	8140
<i>N. Rodríguez-Henche, I.D. Román, L. Muñoz-Moreno, A. Herráez, J.C. Díez, L. Puebla, A.M. Bajo</i>	
DEBATE AS A MOTIVATIONAL AND ACTIVE LEARNING TOOL FOR STUDENTS OF FOOD SCIENCE AND TECHNOLOGY AREA, IN HIGHER EDUCATION	8147
<i>N. Betoret, I. Fita, C. Barrera</i>	
ORGANIZING EDUCATIONAL ACTIVITIES OF CULTURAL VALUES FOR HIGH SCHOOL STUDENTS: A CASE STUDY OF VIETNAM IN THE CURRENT PERIOD	8152
<i>H. Tran, P. Tran, H. Ngo Thi</i>	
CONVERGENCE OF COLLABORATIVE APPLICATIONS IN THE CLOUD FOR THE MONITORING OF EVALUATION IN HYBRID TEACHING IN UNIVERSITY STUDENTS	8162
<i>F. Leyva Picazzo, R. Córdoba Del Valle, J. Lau, A.M. González Márquez, J.A. Castro Zapata, D.M. Betancourt Trevedhan, C.A. Severino Parra, M. Rodríguez León</i>	
LEARNING EXPERIENCES IN THE KENYAN PRIMARY SCHOOLS WITH THE LENS OF PARADIGM SHIFT TO THE COMPETENCE BASED CURRICULUM (CBC)	8163
<i>Z. Ali, P. Kajoro, F. Mtenzi</i>	
ENGAGING AND COLLABORATING WITH RETURNEE PUPILS IN SCIENCE LESSONS: TEACHERS' APPROACH	8169
<i>R. Bilbokaitė, I. Bilbokaitė-Skiauterienė, M. Jovaišaitė</i>	
DEVELOPING A SEQUENTIAL AND MULTI-LEVELLED QUESTION BANK FOR SMALL CLASS TASKS	8176
<i>A.P. Lopes, F. Soares, J. Azevedo, M. P. Nunes, V. Oliveira</i>	
PERSONALIZING EVALUATIONS TO AID CHEMISTRY LEARNERS	8183
<i>E. Oliveira, F. Izo, W. Silva</i>	
INNOVATING PEDAGOGICAL PRACTICES IN HIGHER EDUCATION: THE IMPLEMENTATION OF AN ACTIVE AND AUTHENTIC LEARNING APPROACH IN TWO STUDY CYCLES	8190
<i>I. Saur-Amaral, S. Filipe</i>	
APPLICATION OF ACTIVE LEARNING TO THE TEACHING OF MANAGERIAL SUBJECTS	8200
<i>J. Mesárošová, J. Samáková, A. Stareček</i>	
ASSESSMENT OF ENGLISH AS A SECOND LANGUAGE STUDENTS AT KAZAN FEDERAL UNIVERSITY	8208
<i>D.F. Khakimzyanova, E.S. Khovanskaya</i>	
CHALLENGES AND BENEFITS OF TEACHING COMMUNITY INTERPRETING TO STUDENTS AT UNIVERSITY	8212
<i>E. Smirnova, E. Mukhametshina, A. Ibraeva</i>	
NURSING ESCAPE ROOM UAH: MOTIVATION TO LEARN IN THE BIOCHEMISTRY LABORATORY	8216
<i>N. Rodríguez-Henche, I.D. Román, A. Herráez, J.C. Díez, J. Recio-Aldavero, L. Muñoz-Moreno, L. Puebla, A.M. Bajo</i>	
PRESENTATION-PRACTICE-PRODUCTION APPROACH AS A MATTER OF EFFICACY IN TEACHING INTERPRETING AT UNIVERSITY	8224
<i>E. Smirnova, E. Mukhametshina, A. Ibraeva</i>	
EDUCATION AND DEVELOPMENT THROUGH E-GOVERNMENT SERVICES FOR CITIZENS	8228
<i>M. Murariu (Pleşca)</i>	
HIDDEN BLADES AND BLOCKS. ASSASSIN'S CREED AND MINECRAFT AND ITS EDUCATIONAL APPLICATIONS IN HISTORY OF ART	8233
<i>R. Gregori</i>	
HYBRID E-LEARNING APPROACH FOR CULTURE-SENSITIVE SOFT SKILLS TRAININGS IN VIRTUAL CLASSROOMS – CHALLENGES AND POTENTIALS	8237
<i>K. Hamann, A. Rickert, S. Yang</i>	
TOWARDS SUSTAINABILITY: IMMERSIVE METHODS FOR ENHANCING NATURE AWARENESS FOR YOUNG LEARNERS AND DEVELOPING THEIR ACTION COMPETENCIES	8248
<i>L. Gjedde</i>	
PROCEDURE FOR DESIGNING A PROCESS CARD FOR EDUCATIONAL ACTIVITIES IN THE FIELD OF MECHANICAL ENGINEERING	8249
<i>A. Paulíková, H. Hrablík Chovanová, H. Makyšová, D. Banáš</i>	

RETHINKING ASSESSMENT FOR A POST-COVID-19 EDUCATION DISPENSATION IN SOUTH AFRICA: CHALLENGES AND OPPORTUNITIES <i>M. Makgamatha</i>	8257
REAL PROJECT: REMOTE EDUCATION USING AN ACTIVITY MANAGEMENT SYSTEM FOR LEARNING PROJECT <i>A.M. O'Brien, D. O'Hanlon, N. Harding</i>	8258
MULTIMODAL INQUIRY: AN ALTERNATIVE APPROACH TO TEACHING DISCIPLINARY CONCEPTS IN HIGHER EDUCATION <i>G. McDermott</i>	8259
AUTOMOTIVE ENGINEERING PROGRAMS IN MEXICO: CHALLENGES AND EXPERIENCES <i>M. Lopez-Parra, R. Torres, J.C. Sánchez-Villegas</i>	8260
LOW-CODE AND NO-CODE APPROACH TO TEACHING ARTIFICIAL INTELLIGENCE <i>S. Mladenovic, A. Granic, G. Zaharija, D. Krpan</i>	8266
GENERATING DISCIPLINARY COMPETENCIES IN STUDENTS WITHOUT AN APPLICATION OF A KNOWLEDGE ASSESSMENT <i>L.H. González Guerra, V.M. de la Cueva Hernández</i>	8267
CAN TEACHERS AFFECT YOUTHS' EXTERNALIZING BEHAVIORS? SHORT-TIME ASSOCIATIONS BETWEEN PERSONALITY, TEACHERS' CHARACTERISTICS, AND PROBLEMATIC BEHAVIORS THROUGH SELF-REGULATORY SELF-EFFICACY IN ITALY <i>A. Favini, F. Cirimele, C. Lunetti, F. Culcasi, E. Basili, C. Remondi, E. Thartori, G. Gliozzo</i>	8272
DIGITAL GAME WORKSHOP ON FINANCIAL EDUCATION: IMPACT ON PLAYERS' AND GAME CREATORS' ENGAGEMENT AND LEARNING <i>S. Assoreira, M. Aresta, P. Beça</i>	8282
DEVELOPING TOOLS TO EVALUATE THE IMPACT OF OPEN SCHOOLING ON STUDENTS' SCIENCE LITERACY AND SUSTAINABILITY CONSCIOUSNESS <i>M. Romero-Ariza, A. Quesada, A.M. Abril, M. Martín-Peciña</i>	8287
INTENSIFYING KNOWLEDGE OF PROBLEM-SOLVING BY SUPPORTING BY SEMESTER CHALLENGE: CASE STUDY OF ANALYSIS AND DESIGN OF ALGORITHMS GROUPS <i>L.H. González Guerra, R. Martínez Martínez</i>	8294
APPLYING THE PRINCIPLES OF CONNECTIVISM IN TEACHING MS WORD TO UNIVERSITY STUDENTS <i>H. Hafičová, V. Piskura</i>	8298
COOPERATIVE TEACHING IN THE PREPARATION OF FUTURE TEACHERS AND THE POSSIBILITIES OF ITS APPLICATION IN THE CREATION OF AN INCLUSIVE ENVIRONMENT IN SCHOOLS <i>H. Hafičová, T. Dubayová</i>	8303
PERSPECTIVES FOR STEM TEACHERS: INSTRUMENTS, BASELINE STUDY AND SOME PRELIMINARY RESULTS IN THE SPANISH CONTEXT FROM A EUROPEAN PROJECT (3C4LIFE) <i>A. Quesada, M. Romero-Ariza, A.M. Abril, M. Martín-Peciña</i>	8308
ADOPTING DATA SCIENCE CURRICULA: A STUDENT CENTRIC EVALUATION <i>S. Wang, V. Janeja, D. Harding, C. Von Vacano, D. Lobo</i>	8309
TEACHERS' PERSPECTIVES TOWARDS EMBODIED LEARNING: A LITERATURE REVIEW <i>C. Kairu</i>	8316
GENDER, DIVERSITY AND ETHNICITY: RETHINKING THE EARLY EDUCATION LEARNING ENVIRONMENT <i>C. Ribeiro, M.L. Azevedo, C. Mesquita, Z. Altat</i>	8326
TEACHER COMPETENCE, ASSESSMENT AND INSTRUMENTS <i>M.J. Rodrigues, C. Mesquita, C. Ribeiro, M.L. Azevedo</i>	8333
EXPLORING INTERCULTURAL AND GLOBAL COMPETENCIES FOR EDUCATORS <i>A. Bordeianu</i>	8334
DIGITAL IMAGINATION LEADS TO DIGITAL INNOVATION <i>M. Fisher, C. Broadbent</i>	8335
BUILDING YOUR STUDENTS' CASA: CENTER FOR ACADEMIC SUCCESS AND ACHIEVEMENT <i>A. Bordeianu, L. Hurjui, I. Hurjui</i>	8340

ON THE SELF-REFLECTION OF BEGINNING UNIVERSITY STUDENTS ON THEIR OWN LEARNING PROCESS - A CASE STUDY REPORT <i>E. Lakoma</i>	8341
USING TASK-BASED LANGUAGE TEACHING APPROACH (TBLT) TO IMPROVE THE WRITING PROFICIENCY OF FIRST-YEAR MATURE UNIVERSITY STUDENTS <i>S. Adjei-Mensah</i>	8347
RETHINKING ASSESSMENT FOR THE ENGINEERING SOFTWARE COURSE WITH A SHIFT IN TEACHING PARADIGM <i>S. Datta</i>	8353
FACULTY AS ADVISORS, MENTORS AND COACHES - INTERNATIONAL STUDENTS AND FACULTY EXPERIENCES <i>L. Hurjui, A. Bordeianu, I. Hurjui</i>	8357
GLOBAL AND LOCAL: A PROJECT FOR THE EUROPEAN CITIES, IN MADRID GLOCAL SUMMER SCHOOL <i>M.A. Flórez de la Colina, P.C. Izquierdo Gracia, D. Gawryluk, D. Jankauskiene, D.A. Krawczyk, E. Brezgyte</i>	8358
INTERCULTURALITY AND INTERCULTURAL COMPETENCE IN INTERNATIONALIZATION OF HIGHER EDUCATION: A BRAZILIAN HIGHER EDUCATION INSTITUTIONS' PERSPECTIVE <i>L.E. Zilberberg Oviedo</i>	8366
PROBLEM BASED LEARNING (PBL) AND LEARNING BY DOING APPROACHES IN YOUNG ENGINEERS DESIGNS OF GLOCAL, ERASMUS+ STUDENTS TEAMS <i>D. Gawryluk, M.A. Flórez de la Colina, D.A. Krawczyk, D. Jankauskiene, M.M. Valiente López</i>	8367
THE INTEGRATION OF A PROBLEM-SOLVING BASED MEASURE OF TRANSFER IN A DIGITAL GAME-BASED LEARNING ENVIRONMENT <i>J. Nietfeld, S. Syal, M. Lewis</i>	8376
DESIGNING IMPACT EVALUATIONS FOR ACADEMIC AND INDUSTRY PARTNERSHIPS <i>C. Paat, G. Lee-Thomas</i>	8382
EDUCATIONAL RESEARCH EXPERIENCES BASED ON MATERIAL DESIGN FOR TRANSITION <i>J. Alarcón Castro, J. Brañes Alarcón, J. Brañes Alarcón</i>	8387
ENTREPRENEURSHIP INTENTION OF MBA STUDENTS INVOLVED IN ENTREPRENEURSHIP PROCESSES IN GUATEMALA <i>E.J. Morales-Fernandez, E.M. Zaczkowska, J.L. Trechera-Herreros, M. Pérez de Chen, P.V. Soto Arriovillaga</i>	8393
"I FEEL MUCH MORE CONFIDENT IN APPROACHING GENETICS IN MY WORKPLACE...": A SHORT COURSE IN PRACTICAL MEDICAL GENOMICS <i>D. Abeygunawardena, E. Oates, E. Palmer, B. Terrill</i>	8406
AN APPROACH TO THE ENTREPRENEURIAL PROFILE OF UNIVERSITY STUDENTS INVOLVED IN ENTREPRENEURSHIP PROCESSES IN GUATEMALA <i>E.J. Morales-Fernandez, E.M. Zaczkowska, J.L. Trechera-Herreros, M. Pérez de Chen, P.V. Soto Arriovillaga</i>	8407
GAME DEVELOPMENT TOOLS FOR PERSONAL EXPRESSIVE DIGITAL ART <i>G. Marlow</i>	8418
UNIVERSITY/INDUSTRY EXPERIENCES: TEACHING MATERIALS DESIGN BASED ON COLLABORATIVE PROJECTS WITH COMPANIES <i>J. Alarcón Castro, J. Brañes Alarcón, J. Brañes Alarcón</i>	8426
A FACULTY PERSPECTIVE: IS BICHRONOUS OR MULTIMODAL THE PREFERRED DELIVERY METHOD IN DISTANCE EDUCATION? <i>R. Best</i>	8432
DESIGN OF AN INTRODUCTORY UNIVERSITY PHYSICS COURSE IN THE LIGHT OF NEW NEUROSCIENCE KNOWLEDGE <i>L. Bartosovic, P. Denkanin, S. Novotna</i>	8433
POSSIBILITIES OF IMPROVEMENT OF INNOVATION PERFORMANCE OF SLOVAKIA <i>M. Zajko</i>	8440
LEADERSHIP IN VIRTUAL ORGANISATIONS: A CASE FOR SUSTAINABILITY? <i>M. Leiss</i>	8452
PC-LINK: A WEB APPLICATION FOR THE ASSESSMENT OF STUDENTS AND COURSES FOR ACCREDITATION IN ENGINEERING EDUCATION <i>T. Ustunkok, D. Topalli, G.G.M. Dalveren, G. Tirkes, A. Yazici</i>	8453

DESIGN OF SUSTAINABLE DEVELOPMENT GOALS (SDG) BASED CHALLENGES AS DRIVING FORCES FOR INTERDISCIPLINARY UNDERGRADUATE AND MASTER THESES	8454
<i>I. Moreno-Benitez, V. Palomares, G. Urgoitia, J.A. Carrero, A. Gredilla, M. Insausti, I. Gil de Muro, L. Ruiz-Rubio</i>	
CHALLENGE BASED LEARNING THROUGH NEW PRODUCT DESIGN AND DEVELOPMENT METHODS	8458
<i>S. Gonzalez-Garcia, L.P. Lopez-Vazquez, R. Belmonte-Izquierdo, R. Rodriguez-Calderon, D. Barriga-Flores, S.E. Garcia-Hernandez</i>	
EXPLORATION AND APPLICATION OF LEXICAL CHUNK THEORY IN RUSSIAN TEACHING IN CHINA IN THE CONTEXT OF EDUCATIONAL DIGITALIZATION	8465
<i>L. Zhuo</i>	
INTRODUCING 3D MODELING AS A COMMON TOOL IN THE CLASSROOM	8470
<i>C. Carbonell Urtubia, Á.A. Magreñán Ruiz, L. Orcos Palma</i>	
TRAINING PRONUNCIATION OF ENGLISH ACADEMIC VOCABULARY	8479
<i>H. Vancova</i>	
FLORIDA'S HOUSE BILL 7 (STOP WOKE BILL): A PRELIMINARY REVIEW OF THE LAW ON CULTURALLY RESPONSIVE THIRD GRADE SOCIAL STUDIES AND SCIENCE TEXTBOOKS	8480
<i>R. Chant, B. Zoellner</i>	
HOW DO MATHEMATICS TEACHERS IN PUERTO RICO PERCEIVE THE MATHEMATICS COMPETITIONS?	8481
<i>F. Henao, L. Caceres</i>	
CONCEPTUAL WEAKNESSES FOUND IN NEW STUDENTS OF PRECALCULUS I AT THE UNIVERSITY OF PUERTO RICO, MAYAGUEZ CAMPUS	8482
<i>J. Ortega, L. Caceres</i>	
SOFT SKILLS IN MATH - NON-FORMAL LEARNING CONTEXTS	8483
<i>A. Breda, C. Cruz</i>	
STUDENT RETENTION USING ADVANCED LEARNING VALIDATION SOFTWARE TOOL AND EDUCATIONAL DATA MINING: A CASE STUDY	8492
<i>A. Mutka, F. Zivkovic, M. Breka, M. Zagar</i>	
DEVELOPMENT OF LEARNING ASSISTANCE ENVIRONMENT WITH MULTI EDGE DEVICES FOR THE ERA OF COMPLEX MASSIVE NATURAL DISASTERS	8497
<i>S. Togawa, A. Kondo, K. Kanenishi</i>	
GENDER IN THE CONTEXT OF RESIDENTIAL CARE: PERSPECTIVES, EXPERIENCES AND IMPLICATIONS FOR THE TRAINING OF PROFESSIONALS	8503
<i>S. Mateus, D. Santa-Marta, S. Saleiro, T. Seabra</i>	
CHANGE IN INTEREST IN AND EFFECT ON THE COMMUNITY THROUGH DISCUSSIONS ON URBAN PLANNING	8504
<i>A. Kondo, S. Togawa</i>	
ENTREPRENEURS ON A MISSION: HOW TO LEARN SOCIAL ENTREPRENEURSHIP IN PRACTICE	8513
<i>C. Alves, M. Ferreira Dias, M. Amorim, C. Silva, A. Dias, J. Avoarelhão</i>	
LEARNING SCENARIOS: DEFINITION, EVOLUTION, AND RESEARCH	8518
<i>B. Carvalho, M. Amorim, M. Ferreira Dias, R. Castro Madureira, M. Rodrigues</i>	
ASSESSING THE QUALITY OF SCHOOL PERFORMANCE: THE CONTEXT OF TEAM MOTIVATION AND COMMUNICATION	8524
<i>R. Bilbokaitė, I. Bilbokaitė-Skiauterienė, G. Petrauskienė</i>	
OPPORTUNITIES FOR ETHICAL DECISION MAKING: A CASE STUDY IN K-NN	8525
<i>A. Goldstein, M. Alodadi, V. Janeja</i>	
SUSTAINABLE DEVELOPMENT GOALS AND DIGITAL COMPETENCE: CONNECTING TWO KEY ELEMENTS OF EDUCATION	8532
<i>J.C. Casañ-Núñez, C. Millán Scheiding</i>	
CENTERING RACIALIZED GIRLS' (MEDIA-MAKING) STORIES: A FEMINIST CASE-STUDY OF AN EXTRACURRICULAR, VIRTUAL VIDEO STORYTELLING PROGRAM	8533
<i>T. Terzopoulos</i>	
PROJECTS, PROBLEMS OR CHALLENGES? ACTIVE METHODS AS THE CORE OF PRE-SERVICE TEACHER EDUCATION	8534
<i>A. Cerveró-Carrascosa, A. Rubio-Peñarrubia, A.C. Llorens-Tatay, M.L. Martínez-Romero</i>	
TOWARDS A VIRTUAL SPORTS TECHNOLOGY LABORATORY: CASE VUOKATTI	8540
<i>M. Jäntti</i>	

CHALLENGE BASED WORKSHOP ON SPACEFLIGHT DYNAMICS FOR SOPHOMORE STUDENTS	8548
<i>E.M. Hernández-Cooper, R.D. Santiago-Acosta, J. Otero-Hernández, R. Gómez-Castillo</i>	
GOOD STORIES GO A LONG WAY: INSIGHTS INTO THE ACQUISITION OF FOREIGN LANGUAGES SPECIALIZED VOCABULARY	8555
<i>A.M. Toma</i>	
EXPERIENCES IN A DYNAMIC SYSTEMS MODELING COURSE WITH SEMI-ADAPTIVE LEARNING	8560
<i>R.D. Santiago-Acosta, E.M. Hernández-Cooper, R. Gómez Castillo, J.C. Del Águila Rodríguez</i>	
LEADERSHIP AND EDUCATIONAL POLICIES	8566
<i>M. Araujo</i>	
EXPRESSION OF SOCIAL RESPONSIBILITY FEATURES IN THE HIGHER EDUCATION INSTITUTION	8575
<i>I. Kepaliene, B. Zygaite, A. Guoba</i>	
COHERENCES OF BODY MOVEMENT AND ACQUISITION OF FOREIGN LANGUAGE	8584
<i>S. Jenko Miholic, V. Horvat, R. Kovaček</i>	
CHANGES IN SOME MOTOR SKILLS IN PRESCHOOL CHILDREN	8593
<i>V. Horvat, S. Jenko Miholic, I. Bokor</i>	
A COMPUTED BASED LOW STAKE QUIZ (LSQ) RESULTS FROM REAL EXPERIMENT IN AN EDUCATIONAL CONTEXT	8600
<i>R. Castro, D. Soares</i>	
SMART ELECTRICAL NETWORKS AND SYSTEMS LABORATORY BASED ON IOT PLATFORM	8607
<i>S. Skok, J. Srpak</i>	
THE REGIONAL IMPACTS OF FOREIGN STUDENTS: A CASE STUDY	8612
<i>J. Fernandes, S. Esteves</i>	
UTILIZATION OF INTERNET-BASED ONE-ON-ONE ENGLISH PLATFORMS FOR THE EXCHANGE OF PERSPECTIVES AND IDEAS IN STEM - AN EXPERIENCE	8620
<i>A. Harford</i>	
FEATURES OF COMMUNICATION CULTURE IN THE PROCESS OF TEACHING ENGLISH AS A FOREIGN LANGUAGE IN TECHNICAL UNIVERSITY	8624
<i>A. Boltaeva, I. Suvorova</i>	
IMPACT OF PRIMARY SCHOOL TEACHERS' DEMOGRAPHICS ON THEIR PSYCHOSOCIAL WORK HAZARDS: A CROSS-SECTIONAL SURVEY OF NIGERIAN TEACHERS	8631
<i>C. Okeke, C. Ugwuanyi</i>	
WHICH WORD DESCRIBES IT? AN ACTION RESEARCH ON BOOSTING LEXIS IN ONLINE SCHOOL STUDENTS	8639
<i>K. Rodriguez-Robles, K. Yambay de Armijos</i>	
THE MEDIATING ROLE OF PROACTIVE PERSONALITY IN THE RELATIONSHIP BETWEEN COGNITIVE FLEXIBILITY AND CAREER FUTURE IN UNIVERSITY STUDENTS	8647
<i>G. Sart, F.H. Sezgin</i>	
DEVELOPING TRANSFERABLE SKILLS IN ENGLISH AS A SECOND LANGUAGE CLASSES AT KAZAN FEDERAL UNIVERSITY	8655
<i>D.F. Khakimzyanova, E.S. Khovanskaya</i>	
RADICALIZED DISCOURSE IN THE EDUCATIONAL ENVIRONMENT: STRUCTURE AND FEATURES	8660
<i>E. Palekha</i>	
A DIFFERENT WAY FORWARD: A NEW PERSPECTIVE ON LEADERSHIP, A SAMARITAN LEADER	8667
<i>M. Suci, A.M. Bocaneala</i>	
IDIOMS AND IDIOMATIC PARONYMS IN EFL: COMMON LEARNING CHALLENGES	8672
<i>O. Rotko</i>	
CAREER TRAINING OF SOCIAL EDUCATORS IN PREVENTION AND INTERVENTION OF SOCIAL THREATS AMONG YOUNG PEOPLE IN SLOVAKIA	8673
<i>K. Liberčanová, A. Baranovská</i>	
THE ART OF DESIGNING AN INFORMATICS COURSE: HOW TO CREATE THE PERFECT LEARNING SPACE FOR STUDENTS?	8683
<i>M. Jancheski, S. Jancheska</i>	

BREAKING DOWN GEOGEBRA: TWO DIMENSIONS OF THE GEOGEBRA SOFTWARE APPLICATION	8684
<i>M. Jancheski, S. Jancheska</i>	
HOMEWORK, TELEWORK AND THEIR MANAGERIAL CONTROL, CHALLENGES FOR MANAGERS IN THE PUBLIC ADMINISTRATION IN ROMANIA	8685
<i>M. Murariu (Pleşca)</i>	
ACQUISITION OF BUSINESS TAXATION COMPETENCES THROUGH PROBLEM-BASED LEARNING	8692
<i>P.J. Cardenas-Garcia, A. Alcalá-Ordoñez</i>	
MULTIPERSPECTIVITY AS A SUPPORT FOR THE DEVELOPMENT OF STUDENT CREATIVE AND CRITICAL THINKING COMPETENCES – A CASE STUDY	8696
<i>C. Alexandrache</i>	
THE CONSEQUENCES OF THE FEMINIZATION OF EDUCATION IN SLOVAKIA	8704
<i>S. Dončevová</i>	
A JOURNAL FOR MASTER STUDENTS: THE EXPERIENCE OF ADVANCES IN EARTH SCIENCE	8711
<i>L. Gimeno-Sotelo, L. Gimeno, R. Nieto, M. Vazquez, R. Sori, M. Stojanovic</i>	
INNOVATIVE STRATEGIES TO IMPROVE THE ACTUAL STUDY-RESEARCH TRAJECTORY OF UNIVERSITY STUDENTS	8712
<i>A. Vagaská, P. Račková, M. Hubáček</i>	
COVID-19 IMPACT ON THE QUALITY OF INTERNSHIP PROGRAM IN ENVIRONMENTAL ENGINEERING STUDIES IN CROATIA – FOUR YEAR ANALYSIS	8722
<i>S. Tišma, S. Kalambura, R. Biondić, S. Kovač, H. Meaški, D. Dogančić, L. Nađ, A. Farkaš, I. Tolić</i>	
PARTICIPATORY ACTION INTERVENTION RESEARCH (PAIR) IN SUPPORT OF SCHOOL/COMMUNITY-BASED COPING AND RESILIENCE	8731
<i>R. Ferreira</i>	
COGNITIVE STRATEGIES AND PSYCHO-SOCIAL SKILLS THAT SUPPORTED TEACHER RESILIENCE DURING THE COVID-19 PANDEMIC	8732
<i>R. Ferreira, E. Williams, S. Dippenaar</i>	
APPLICATIONS OF LEARNING ANALYTICS TO STUDENT ENGAGEMENT DATA: A SYSTEMATIC LITERATURE REVIEW	8733
<i>O. Oladipupo, S. Samuel, C. Uzor, O. Ikoh</i>	
THE ROLE OF SELF-ADVOCACY TRAINING IN THE ACCESS AND INCLUSION OF STUDENTS WITH DISABILITIES	8743
<i>M. Nikolarazi, M. Papazafiri, C. Kasapi, C. Kofidou, V. Argyropoulos</i>	
BUILDING COMPREHENSION FOR ENGLISH LEARNERS	8749
<i>A. Gupta</i>	
UNLOCK - CREATIVITY THROUGH GAME-BASED LEARNING AT HIGHER EDUCATION	8753
<i>M. Věžienė, A. Daubarienė</i>	
LIVE NOTEBOOKS AND INTERACTIVE QUANTITATIVE TOOLS FOR INTERPRETATION OF RELEVANT AUTONOMIC METRICS UNDER KNOWN CARDIOVASCULAR TESTS IN THE EP-LAB	8760
<i>C.J. Calvo, M. Zarzoso, C. Roma, V. Victor, L. Such</i>	
BLENDED AND UBIQUITOUS LEARNING OF BIOPHYSICS OF THE HUMAN ACOUSTIC FIELDS: MATCHING AVERAGE STANDARDS WITH SELF-DETERMINATION OF THRESHOLDS AND EQUAL-LOUDNESS CONTOURS	8761
<i>C.J. Calvo, V. Victor, M. Zarzoso, C. Romà, A. Lloret</i>	
DIGITAL TRANSFORMATION AND SUSTAINABLE DEVELOPMENT OF EDUCATIONAL TECHNOLOGIES (ON THE EXAMPLE OF KAZAKHSTAN' STAGE DESIGN)	8762
<i>M. Zhanguzhinova, I. Lunga, K. Khalykov, S. Karzhaubaeva, R. Ashinov, T. Kashaganova, M. Kulseitova, A. Iskakova</i>	
INFORMATION AND MATERIAL SUPPORT TO ENVIRONMENTAL EDUCATION IN SLOVAKIA IN THE TIMES OF CRISIS	8763
<i>A. Bilčík, J. Bilčíková, S. Barnová, B. Mačová</i>	
DIGITAL STUDENT COMMUNITY: THIRD SECTOR, UNIVERSITY AND GENDER	8764
<i>A. Bohigues, M. Iranzo-Cabrera</i>	
RESEARCH FOR EDUCATION	8765
<i>V. Stoffová</i>	

INTERACTIVE BEHAVIOR OF URBAN AND RURAL TEACHERS' NETWORK COLLABORATIVE TEACHING AND RESEARCH COMMUNITY: CONNOTATION, MODE AND PROSPECT <i>Z. Zhang, M. Fulong</i>	8766
GOOD PRACTICES APPLIED IN E-TUTORING FOR UNIVERSITY TUTORS <i>F. Leyva Picazzo, R. Córdoba Del Valle, D. Vázquez Trujillo, A.M. González Márquez, J.A. Castro Zapata, D.M. Betancourt Trevedhan, C.A. Severino Parra, J. Rodríguez Bolaños</i>	8767
LESSONS LEARNED WITH THE STUDENTS' OF THE ACCOUNTING DEGREE IN LEARNING COVID19 CONTEXT <i>R. Bertuzi, C. Pereira, A. Monteiro, R. Soares</i>	8768
COMPLEMENTARY TRAINING FOR ENGINEERING STUDENTS IN ADDITIVE MANUFACTURING (3D PRINTING) <i>I. Del Sol, M. Ramirez-Peña, R. Bienvenido-Barcena, J.M. Vazquez-Martinez, J. Salguero, M. Batista</i>	8776
ASSESSMENT OF MANUFACTURING ENGINEERING SUBJECTS USING REAL INDUSTRIAL PROBLEMS <i>I. Del Sol, M. Ramirez-Peña, J.M. Vazquez-Martinez, J. Salguero, M. Batista</i>	8785
ARE INFORMATICS TEACHERS PEDAGOGICAL INNOVATORS? PRELIMINARY RESULTS FROM A CASE STUDY <i>P. Costa, M. Lucas</i>	8795
IT'S CHRISTMAS TIME, LET'S SHARE! - A PROPOSAL FOR TEACHING AND LEARNING FRACTIONS, DECIMALS AND PERCENTAGES <i>S. Ricardo, H. Campos</i>	8796
BALL IN THE WATER, WHO GETS THERE FIRST? A PROPOSAL FOR LEARNING MATHEMATICS <i>H. Campos, S. Ricardo</i>	8801
TEACHERS PROFESSIONAL ETHICS: THE ROLE OF THE NARRATIVE AND REFLECTIVE CAPABILITIES ON THE DIFFERENT STAGES OF PROFESSIONAL DEVELOPMENT <i>E. Seghedin</i>	8805
BETWEEN PAST AND PRESENT: PERCEPTIONS ON THE ROMANIAN COMMUNIST EDUCATIONAL SYSTEM – IMPLICATIONS FOR OUR DAYS EDUCATION <i>S. Nitu, E. Seghedin</i>	8806
ENHANCING SCIENTISTS' PUBLIC OUTREACH ACTIVITIES: THE SCICOMM4ALL PROJECT <i>S. Ambrósio, H. Dufour, F. Bilak, M. Varga, L. Martinelli, R. Ponce, R. Branquinho, M. Ferreira</i>	8807
SCIENCE COMMUNICATION IN EDUCATION: A FIRST OVERVIEW ON TRAINING EVALUATION <i>S. Ambrósio, S. Santos, R. Torres</i>	8808
EDUCATION IN A MULTICULTURAL SOCIETY: THE USE OF THE LEARNERS' MOTHER TONGUE IN THE ZIMBABWEAN CLASSROOM <i>P. Bhebhe</i>	8818
CHANGEMAKERS: EMERGING EXPERIENCE FOR YOUTH <i>M. Potes Barbas, A. Teles Vieira, P. Duarte Branco</i>	8825
ADJUSTMENT TO GOOD STUDY HABITS, MEMORY STRATEGY AND EVALUATION OF TEACHER STUDENT OUTCOME <i>D. Idika, E. Orji</i>	8835
EXPERIENCES IN THE CLASSROOM <i>T. Velasquez Perez, H. Castro, Y. Mendoza</i>	8836
PRE-TEST APPLICATION OF THE QUANTITATIVE INSTRUMENT POSITIVE DEVELOPMENT OF YOUNG PEOPLE IN THE DEPARTMENT OF NORTE DE SANTANDER <i>T. Velasquez Perez, N. Gaona, J. Gonzalez</i>	8842
ASSESSMENT OF ENTREPRENEURSHIP EDUCATION BY TECHNICAL VOCATIONAL EDUCATION AND TRAINING COLLEGE LECTURERS': THE VALUE OF FEEDBACK TO THE STUDENTS <i>M.S. Motsoeneng</i>	8848
A FRAMEWORK TO ENHANCING PROBLEM-SOLVING SKILLS OF ENTREPRENEURSHIP EDUCATION OF TECHNICAL VOCATIONAL EDUCATION AND TRAINING COLLEGE LECTURERS <i>M.S. Motsoeneng</i>	8849

- WORKING REMOTELY FROM NY TO KIEV - HIGH IMPACT APPLICATION OF "UNFRAMING" - IN RESPONSE TO HEIDEGGER'S CONCEPT OF "FRAMING" (GESTELL)** 8850
D. Koeddermann
- INVESTIGATING STUDENTS' MOTIVATION OF PLAYING VIDEO GAMES IN CLASS AND ITS IMPACT ON THEIR ACADEMIC PERFORMANCE: A CASE STUDY OF THE UNIVERSITY OF LIMPOPO MEDIA STUDIES STUDENTS** 8854
R. Rangata, C. Lesame
- THE IMPACT OF PRACTICUM COURSES IN SOCIAL EDUCATION ON PRIMARY STUDENT TEACHER'S TEACHING PRACTICES: QUALITATIVE STUDY** 8862
S.M. Al Karasneh, B.A. Alakashee, A.A. Al-Barakat
- THE INTERFERENCE OF NON-STANDARD VARIETIES OF ISIZULU IN ISIZULU LANGUAGE LEARNING ON STUDENTS' PERFORMANCE AT A UNIVERSITY OF TECHNOLOGY IN GAUTENG** 8863
Z.S. Gumede