ICERI2021 TABLE OF CONTENTS

LEARNING FROM BIOPHILIC DESIGN AFTER COVID-19 I. Guler, Z.N. Cetinkaya, D. Hasirci	1
THE SIGNIFICANCE OF THE DESIGN OF CHILDREN'S BOOKS AND ITS EFFECTS ON READING HABITS B. Hasirci, D. Hasirci	11
LEARNING IN A PANDEMIC AND BEYOND: FIRST YEAR LIBERAL ARTS STUDENT PREFERENCES AND PERSPECTIVES REGARDING ONLINE COURSES AT A LARGE PUBLIC UNIVERSITY IN THE UNITED STATES F. Vandover, A. Hammell	18
PERCEPTION OF MUSIC AND FOREIGN LANGUAGES BY PUPILS IN PRIMARY EDUCATION I. Košek Bartošová, P. Němcová, Y. Pohnětalová, K. Rejfová	27
THE IMPACT OF THE COVID-19 PANDEMIC ON MEDICAL STUDENT PREPARATION FOR FINAL YEAR CLINICAL EXAMINATIONS H. Ikhlaq, S. Bangi, J. Kabbani	35
CREATIVE APPROACH FOR TEACHING FINANCIAL INSTRUMENTS: A CASE STUDY OF PROFESSIONAL STUDENTS N. Alias, P.M. Ismail, N. Abu Bakar, R.B. Mohamed Sadique, N.H. Haron	39
THE ROLE OF UNIVERSITY FOR DESIRABILITY OF TECHNOLOGY ENTREPRENEURSHIP: EVIDENCE FROM BULGARIA D. Yordanova	40
THE DETERMINANTS OF A SUCCESSFUL HYBRID MODEL IN A COVID19 SCENARIO: A FSQCA APPROACH M. Rodríguez-García, J.F. Gallego-Nicholls, K. Ulrich-Belenguer, E. Pagan-Castaño	46
PARTIAL STANDARDIZATION OF ONLINE CURRICULUM: IT IS NOT ALL OR NOTHING C. Halupa	51
FIRST YEAR PRESERVICE TEACHERS' MOTIVATIONS FOR CHOOSING A TEACHING CAREER A. Rambuda	59
INSTITUTIONAL E-LEARNING MATURITY: A CASE STUDY FROM ISCAP P. Peres, M. Moutinho	60
SCHOOL MANAGERS FOR POST-COVID-19 SCHOOLS: REIMAGINING THE ART OF MANAGING SCHOOLS FOR THE FUTURE V. Msila	61
ONLINE MENTORING OF NEW ACADEMIC STAFF DURING TIMES OF TRANSFORMATION AND COVID 19: OPPORTUNITIES AND THREATS IN A DISTANCE EDUCATION ENVIRONMENT V. Msila	69
EXAMINING PROBLEM-SOLVING SKILLS USING TASKS REQUIRING COMPUTATIONAL THINKING K. Harangus	79
TEACHING BRITISH CULTURE AND CIVILIZATION FOR TRANSLATION AND INTERPRETING STUDENTS G. Kovács	84
EXAMINING THE MOTIVATION OF PREGRADUATE STUDENTS AT THE FACULTY OF MINING, GEOLOGY AND PETROLEUM ENGINEERING FOR LEARNING ENGLISH FOR PROFESSIONAL PURPOSES D. Pleše	91
CREATING DIGITAL RESOURCES FOR TEACHING INDUSTRIAL CONSTRUCTION FOR AN INDUSTRIAL ENGINEERING MASTER'S J. Ferreiro-Cabello, E. Fraile-Garcia, M. Corral-Bobadilla, F. Somovilla-Gómez	99
STUDENT TEACHERS' SELF-EFFICACY, ATTITUDES, AND BELIEFS TOWARDS EARLY SCIENCE TEACHING DURING THEIR STUDIES IN EARLY CHILDHOOD EDUCATION PROGRAM Y. Kesner Baruch, M. Kadury-Slezak	105
THE USE OF A GAME-BASED LEARNING PLATFORM IN THE TEACHING-LEARNING PROCESS AT THE UNIVERSITY N. Stalmasekova, J. Fabus	106

PRINCIPLES OF DESIGN AND IMPLEMENTATION OF LEARNING AND TEACHING SPACES: LESSONS LEARNT FROM GERMAN AND PORTUGUESE HIGHER EDUCATION T. Leiber, V. Carlos, S. Bruckmann, M.J. Rosa	111
AN ELECTRONIC ASSESSMENT TOOL INSPIRED BY THE PERSONALIZATION OF LEARNING PATHS P. Peres, A. Mesquita, P. Silva, L. Oliveira	121
INVESTIGATING THE READING COMPREHENSION SELF-REFLECTIVE VIEWS AND ABILITIES OF ENGLISH SECOND LANGUAGE LEARNERS IN SOUTH AFRICA T. Olifant	126
FROM THEORY TO PRACTICE: IMPLEMENTING UNIVERSAL DESIGN FOR LEARNING INTO CRAFT APPRENTICESHIP TEACHING C. Lawlor	127
ACCESSING SOCIAL NETWORK ACCOUNTS IN ORDER TO OBTAIN VALUABLE INFORMATION ABOUT PHYSICAL THERAPY E. Falcó, F.B. Pérez Dominguez, J. Casaña Granell, J.C. Benítez Martínez	131
KEEPING STUDENTS ENGAGED USING THE SOCIAL NETWORK TIK TOK IN PRACTICAL CLASSES OF PHYSICAL THERAPY E. Falcó, F.B. Pérez Domínguez, J. Casaña Granell, J. C. Benítez Martínez	132
TEACHING DURING LOCKDOWN: ADAPTATION OF THEORETICAL AND PRACTICAL SUBJECTS IN INDUSTRIAL DESIGN TO A REMOTE LEARNING SCENARIO. COMPARATIVE ANALYSIS OF PERFORMANCE IN RELATION TO PREVIOUS YEARS	133
F. Felip, J. Gual, M.L. García, J.L. Navarro Lizandra	120
THE CINEMA-BASED APPROACH IN THE SECONDARY SCHOOL ENGLISH CLASSROOM: FOSTERING ENVIRONMENTAL AWARENESS E. Sánchez	138
ECOVEM BUSINESS-SCIENCE-EDUCATION PLAN I. Miralles, M. Castro, E. San Cristobal	139
GRANDPARENTS AND THEIR ROLE IN THE CURRENT FAMILY E. Mendelová, H. Zelená	149
FINAL MASTER THESIS DISSERTATIONS OUTSOURCING THROUGH DIGITAL MARKETPLACES A. Ferrer Juan, R. Comas Forgas, A. Cerdà Navarro, M. García Parra	157
ACQUISITION OF TECHNOLOGIC, CORRELATION AND DEDUCTION SKILLS THROUGH USE OF ICT TOOLS AND PERFORM GLOBAL LEARNING STRATEGIES, RESPECTIVELY, IN TOXICOLOGY STUDENTS P. Moyano, J.M. García, J. García, A. Flores, M.V. Naval, L. Guerra, J. Sanjuan, E. Sola, A. Pelayo, M. Lobo, M.T. Frejo, M.J. Anadon, J. Del Pino	158
ACQUISITION OF ABILITY TO ADAPT TO DIFFERENT ENVIRONMENTS AND SELF- LEARNING CAPACITY BY USE OF FLIPPED LEARNING METHODOLOGY AND GLOBAL LEARNING STRATEGY IN TOXICOLOGY STUDENTS P. Moyano, J. Garcia, J.M. Garcia, A. Flores, E. Sola, A. Pelayo, M.V. Naval, L. Guerra, J. Sanjuan, M. Lobo, MT. Frejo, MJ. Anadon, J. Del Pino	159
JOIN IN & BREAK-OUT! SUSTAINING INTERNATIONALISATION IN HIGHER EDUCATION THROUGH A VIRTUAL EXCHANGE IN TIMES OF THE COVID19 PANDEMIC I. Buchem, M. Leiba	160
CO-CREATING CURRICULA FOR A POST-PANDEMIC WORLD M. Macintyre, S. Street, Y. Chen, H. Gao, H. Liu, R. Lu, J. Ma, Z. Meng, Y. Pan, L. Samuel, Y-H. Tsai, S. Wang, Y. Wei, W.K.E. Wong, X. Wu, X. Yang, Y. Yang, B. Zhan, X. Zhang, Y. Zhang	170
TARGETING 21ST CENTURY SKILLS: THE DEVELOPMENT OF UNIVERSAL COMPETENCES NOT AS A SUBSTITUTE FOR SUBJECT KNOWLEDGE A. Nurutdinova	171
RESULTS OF ESTIMATING THE DIDACTIC COMPLEXITY OF SECTIONS OF THE GENERAL PHYSICS COURSE R. Mayer	179
CYBERNETIC MODEL OF THE EDUCATIONAL PROCESS CONSIDERING DISTRIBUTION OF LEARNING MATERIAL ELEMENTS BY COMPLEXITY R. Mayer	188
POWERING STUDENT ENGAGEMENT WITH DIGITAL STORYTELLING AND MACHINE LEARNING N. Rizk	198

SENTIMENT ANALYSIS FRAMEWORK TO IDENTIFY STUDENT PROFILE N. Rizk	205
USE OF INFORMATION TECHNOLOGIES IN ACADEMIC EDUCATION AND SELF- EDUCATION WHILE STUDYING FOREIGN LANGUAGES I. Freidkin, S. Ksenofontova, M. Glickman	213
TRANSFORMING TEACHER-STUDENT COMMUNICATION UNDER COVID-19: COMPLETING ANALYSES OF REMOTE PROGRESS AND INFORMATION CONVEYANCE BY STUDENTS STUDYING ENGLISH AS A FOREIGN LANGUAGE AT JAPANESE UNIVERSITIES B. Rubrecht	218
TRAINING TEACHERS TO PREVENT THE IMPACT OF DESTRUCTIVE ONLINE COMMUNITIES ON ADOLESCENT BEHAVIOR D. Ilyasov, A. Sevryukova, E. Selivanova, N. Nikolov	228
VIRTUALIZATION OF TEACHING AND LEARNING IN CORONAVIRUS PANDEMIA TIMES M.J. Álvarez, M. Cuadros, M.I. Rodríguez-Lara, V. Sánchez, L.J. Martínez, C. Torres, P. Sánchez	237
ANALYSIS OF GENDER EQUALITY AND ITS IMPLEMENTATION IN GRADUATED STUDENTS AT UNIVERSITY OF GRANADA (SPAIN) M. Cuadros, C. Torres, P. Sánchez, V. Sánchez, L.J. Martínez, M.J. Álvarez, M.I. Rodríguez-Lara	244
CO-CONSTRUCTING PRACTICE AND EDUCATIONAL TOOLS: SUPPORTING SOCIAL PROFESSIONS' RESPONSES TO ONLINE ABUSE AND HARASSMENT F. Ó Súilleabháin, K. Burns, K. Cuskelly, P. Kelleher	249
CASE STUDY ANALYSIS OF ESTABLISHING A UNIVERSITY GRADUATE STUDY "LEADERSHIP" IN THE REPUBLIC OF CROATIA AND COMPARATIVE ANALYSIS OF GRADUATE STUDIES IN THE SOUTH-EAST EUROPE IN THE FIELD OF LEADERSHIP D. Tipurić, D. Hruška, A. Krajnović	255
UNIVERSITY-HIGH SCHOOL COLLABORATION IN PROMOTING ENGINEERING VOCATIONS USING SERVICE-LEARNING ACTIVITIES S. Blanco, B. Muñoz-Medina, M. García Alberti, A. Enfedaque, A.L. Lara	264
INSTRUCTIONAL DESIGN AS SOCIAL ACTION: CASES FROM A CANADIAN CONTEXT K. Campbell, D. Janes, L. Carter	272
TEACHING IN TRANSCULTURAL HIGHER EDUCATION: BELIEFS AND EXPERIENCES OF TEACHER EDUCATORS K. Gallagher	27 3
VALUE CO-CREATION THROUGH THINKING: A SPECTRUM RELATIONSHIP BETWEEN VISUAL AND VERBAL THINKING IN THE GROUP CONTEXT H. Jiang, M. Macintyre, C. Martin	281
POSTGRADUATE STUDENTS' PERCEPTIONS ON A CHALLENGE-BASED LEARNING EXPERIENCE BEFORE THE PANDEMIC AND DURING THE PANDEMIC J. García-Hernández, A. Heredia, L. Seguí, C. Barrera, M.L. Castelló	292
STRATEGIES THE ADOLESCENTS OF DIFFERENT AGE AND GENDER USE TO COPE WITH CYBERBULLYING L. Fenyvesiova, K. Hollá	298
A TOOL FOR TEACHER TRAINING: PRECOLUMBIAN ART AND MATHEMATICS IN PRESCHOOL N. Vargas Hernandez, J. Vargas Hernández, R. Hidalgo Chincilla	309
HOW OUR BRAIN CONTEMPLATES - AN ANCIENT DISCIPLINE FOR THE MODERN LEADER P. Martof	315
"IN THE SHOES OF ANOTHER": IMMERSIVE VIRTUAL ENVIRONMENTS FOR SOCIAL AND EMOTIONAL LEARNING M. Tan, S. Chye, K. Teng	32 3
ASSESSMENT OF COMPUTATIONAL THINKING SKILLS THROUGH DIDACTIC TASKS IN PRIMARY SCHOOLS L. Bryndová, M. Klement	324
EQUITABLE ACCESS TO HIGHER EDUCATION FOR STUDENTS WITH DISABILITIES AND STUDENTS FROM MARGINALIZED GROUPS IN NEPAL - EATHEN PROJECT I. Marova, H. Vaďurová, M. Mäkinen	330
LESSONS FROM A SHANGHAI READING LESSON J. Medwell, M. Lei, D. Wray	337

PRE-SERVICE TEACHERS UNDERTAKING INTERNATIONAL RESEARCH: DEVELOPING SKILLS OF REFLECTION J. Medwell, D. Wray	346
SCHOOL-BASED EARTHQUAKE PREPAREDNESS IN GREECE: THE NATIONAL POLICY AND "TELEMACHUS" PROJECT A. Kourou, N. Allagianni, A. Vella, A.M. Saber, S. Kyriakopoulos, T. Sidiropoulos	355
EXPERIENCE IN ASSESSING LEARNING OUTCOMES IN THE CONTINUING EDUCATION OF ENGINEERING EDUCATORS DURING THE COVID-19 PANDEMIC O. Fedotova, E. Platonova, I. Kotova, L. Ilchenko	365
EXPERIENCE IN SOLVING ETHICAL PROBLEMS IN THE PROCESS OF CONDUCTING A NEW TYPE OF ACCREDITATION EXPERTISE O. Fedotova, E. Platonova, I. Kotova, L. Ilchenko	371
THE RELATIONSHIP BETWEEN TECHNICAL THINKING AND DIGITAL LITERACY OF FUTURE TEACHERS OF TECHNICAL SUBJECTS C. Serafin	375
THE EXPERIENCE OF INVOLVING FIRST-YEAR STUDENTS IN RESEARCH ACTIVITIES E. Kazakova, E. Moshkina, O. Sergeeva, E. Tikhomirova	384
VERSATILE LEADERSHIP AND ACTION RESEARCH APPROACH TO MANAGERIAL SKILLS DEVELOPMENT – CASE OF ŠKODA AUTO COORDINATOR PREPARING FOR ADVANCEMENT K. Pavlica, I. Matoušková, K. Veselý	389
REDESIGNING MULTILITERACIES FOR TEACHER CANDIDATES R. Cendros Araujo	396
DEVELOPMENT OF A COURSE FOR E-LEARNING TO THE TEACHING OF THE SUBJECT ANALYSIS OF VARIANCE M. Pineda Becerril, O. García, A. Aguilar, F. León, N. Rosas	397
HIGHER EDUCATION, ARTIFICIAL INTELLIGENCE AND PERSONALIZED KNOWLEDGE: THE VALUES OF 'DYNAMIC INTELLIGENCE CULTURAL EDUCATION' (DICE) G. Gantzias	398
DEVELOPMENT OF INITIAL ACTIVITIES FOR THE EVALUATION AND REINFORCEMENT OF PREVIOUS COMPETENCES OF NEW UNIVERSITY STUDENTS IN A PHYSICS SUBJECT M. Rico, B. Montero, R. Bouza, J. López, C. Ramírez	399
VIRTUAL LEARNING ENVIRONMENTS: WHAT MAKES THEM EFFECTIVE T. Pontes, G. Miranda, D. Santos	407
FLUX OF LIGHT: EXPERIENCE-ORIENTED PLATFORM FOR THE SELECTION OF LUMINESCENT MATERIALS IN THE PRODUCT DESIGN FIELD L. Palma, F. Papile, A. Marinelli, B. Del Curto	418
VISUAL NARRATIVE AS AN EDUCATIONAL METHODOLOGY WITHOUT BARRIERS: MOTIVATION AS A FACTOR IN FEMALE ENTREPRENEURSHIP J.F. Lampón, E. Rivo-López, J. Turienzo, M. Villanueva-Villar	428
ONLINE MARATHON FOR THE DEVELOPMENT OF SOCIO-EMOTIONAL COMPETENCIES A. Pesha, M. Shavrovskaya, O. Borodina	434
REDUCING LEARNER ATTRITION THROUGH AI BASED PREDICTIVE MODELING Y. Qarout, D. Taylor, A. Ekárt, F. Campelo	440
THE ALL-DAY EDUCATIONAL SYSTEM AS AN EDUCATIONAL SPACE FOR IMPLEMENTATION OF THE FEUERSTEIN'S INSTRUMENTAL ENRICHMENT AND NYBORG'S CONCEPT TEACHING MODEL I. Šuhajdová	445
COMMUNITY-BASED LEARNING: HOW ACADEMIC STAFF RESPONDED TO COVID- 19	454
M. Andrade, L. Workman, J. Westover ACADEMY MEETS THE INDUSTRY – A STUDY OF THE USER PERSPECTIVE OF AN ONLINE CONTINUOUS EDUCATION IN BANKING AND INSURANCE COMPANIES P. Mozelius, A.D. Olofsson, M. Håkansson Lindqvist	455
MORE DATA AND MORE DATA: THE MAIN CHALLENGES FOR SMALL ORGANIZATIONS IN USING BIG DATA ANALYTICS S.A. Gbadegeshin, A. Al Natsheh, A. Kuoppala, K. Ghafel, A. Gray	461

WHAT IS AN ARTIFICIAL INTELLIGENCE (AI): A SIMPLE BUZZWORD OR A WORTHWHILE INEVITABILITY?	468
S.A. Gbadegeshin, A. Al Natsheh, K. Ghafel, J. Tikkanen, A. Gray, A. Rimpiläinen, A. Kuoppala, J. Kalermo-Poranen, N. Hirvonen	
IS A NATURAL DROP-OUT RATE POSSIBLE? WHAT KIND OF RELATIONSHIPS DO YOU ESTABLISH WITH PREMATURE, EARLY AND LATE DROP-OUT? J.L. Peñaloza Figueroa, A. Hernández, C.G. Vargas Pérez, M. De Castro, M.S. Aparicio, J.M. Martín,	480
J.L. Fennioza Figueroa, A. Hernandez, C.G. Vargas Ferez, M. De Castro, M.S. Aparicio, J.M. Iviartin, J.M. Guaita	
THE USE OF AN ONLINE TEACHING RESOURCE – CAPSULE – TO SUPPORT UNDERGRADUATE LEARNING FOR UK MEDICAL STUDENTS DURING THE COVID-19 PANDEMIC	489
D. Karunaratne, N. Karunaratne, J. Wilmot, N. Mahmood, T. Vincent, J. Wright, A. Sam, A. Tang, M. Reed, D. Howlett	
PERCEPTIONS OF TEACHER LEADERSHIP: A UAE CASE STUDY L. Halabi, Z. Hojeij, S. Baroudi	490
ANALYSIS OF HIGH SCHOOL STUDENTS' COMFORT OF LEARNING DEPENDING ON ACADEMIC SUBJECTS A. Maslak, A. Korobko	496
THE TECHNOLOGY OF TEACHING PROFESSIONALLY ORIENTED FOREIGN LANGUAGE IN THE CONTEXT OF INTERCULTURAL COMMUNICATION O. Frolova, E. Liakhova, L. Nesterova, I. Malykhina	503
DEVELOPMENT OF SUSTAINABLE CITIZENSHIP OF THE INDIVIDUAL ONLINE H. Friman, N. Matsliah, Y. Sitbon, I. Banner, Y. Einav, N. Shaked	512
SOFT SKILLS REQUIRED BY ELECTRICAL ENGINEERS AT THE COVID19 PERIOD AND IN GENERAL	518
H. Friman, N. Matsliah, H. Ragones, M. Balberg	E22
THE INTEGRATION OF DIALOGUE AND USE OF ICT/AI IN TEACHING LANGUAGE AND WORLDVIEWS DURING THE COVID-19 H. Obari	522
MOON THE ALIEN: DESIGN AND DEVELOPMENT OF A SERIOUS GAME IN UNITY FOR THE EARLY CHILDHOOD EDUCATION STAGE I. Argüelles Álvarez, K.E. Carrera Cuchapari, I. Cuadrado Argüelles, A. García Prieto, C. Garrido Corpa, F.E. Jurcán	528
PROFICIENCY LEVEL IN ENGLISH AND LANGUAGE SKILLS IN TELECOMMUNICATION ENGINEERING STUDENTS I. Argüelles Álvarez, N. Sáenz Lechón	535
PRO-ENVIRONMENTAL BEHAVIOURS FOR SUSTAINABLE DEVELOPMENT: A SURVEY WITH HIGHER EDUCATION STUDENTS C. Vasconcelos, J. Silva, T. Ribeiro	541
GEOETHICS: RESULTS OF AN INTERVENTION PROGRAMME IN HIGHER EDUCATION A. Cardoso, T. Ribeiro, C. Vasconcelos	548
LESSONS LEARNED: STUDENT PERCEPTIONS OF HIGHER EDUCATION IN UNCERTAIN TIMES L. Zizka, G. Probst	557
USING CINEMA PEDAGOGICS METHOD TO ACTIVATE TEACHERS' MOTIVATION TO CARRY OUT MENTORING IN SCHOOL D. Ilyasov, N. Yarychev, K. Burov	564
DRAWING PHYSIOLOGY: GRAPHIC NARRATIVE AND VISUAL METAPHORS TO ENRICH THE TEACHING OF PHYSIOLOGY IN HEALTH SCIENCES C. Romá-Mateo, G. Olaso-González, C.J. Calvo, J.L. García-Giménez, P. González-Cabo	572
VIRTUAL ESCAPE ROOM-BASED ACTIVITIES FOR THE TEACHING OF NUTRITION AND DIETETICS G. Olaso-González, C. Romá-Mateo, M. Piqueras	579
EDUCATIONAL MINI-VIDEOS AS TEACHING AND LEARNING TOOLS M. Corral-Bobadilla, R. Lostado-Lorza, E. Fraile-Garcia, J. Ferreiro-Cabello	588
TEACHING FOREIGN LANGUAGES IN HIGHER EDUCATION: DISTANCE LEARNING IMPACT ON STUDENT'S METACOGNITIVE SELF-REGULATION I. Karpovich, O. Sheredekina, M. Bernavskaya, O. Mikhailova	592
FLIPPED LEARNING IN TIMES OF COVID PANDEMIC J. Requies, L. Barrio, E. Acha, I. Agirre, N. Viar, I. Gandarias	602

THE ROLE OF PERSONALITY TRAITS IN SHAPING PRODUCTIVE COMMUNICATIVE SKILLS K. Chválová, P. Dubovska	608
SUICIDAL BEHAVIOR AT SCHOOL FROM THE PERSPECTIVE OF SCHOOL PSYCHOLOGISTS M. Herynková	617
TEACHING HISTORY IN HUNGARIAN MINORITY SCHOOLS IN SLOVAKIA IN LIGHT OF TEXTBOOKS L. Angyal	622
CONSTRUCTING A QUESTIONNAIRE FOR MEASURING EDUCATIONAL COMPETENCE A. Maslak	623
EXPERIENTIAL LEARNING: THEATER AS A TEACHING METHODOLOGY IN MANAGEMENT EDUCATION J.F. Lampón, J. Turienzo	631
PARTICIPATE IN KNOWLEDGE TRANSFER PROJECTS - CONTRIBUTIONS TO THE DEVELOPMENT OF NURSING STUDENTS AND NURSES C. Baixinho, Ó. Ferreira, M. Medeiros, E. Oliveira	636
THE EMERGING NEW SCHOOL CULTURE WITH ITS POTENTIAL CONSEQUENCES IN THE CONTEXT OF DISTANCE LEARNING DURING THE COVID-19 PANDEMIC P. Mikiewicz, M. Jurczak-Morris, J. Barzak	643
RESEARCH METHODOLOGY COURSE IN INDONESIAN UNDERGRADUATE CLASSES D. Setiawan	647
INCLUSION OF CHILDREN WITH TYPE 1 DIABETES MELLITUS IN CZECH ELEMENTARY SCHOOLS P. Kudlová, H. Skarupská, J. Chrastina	654
SCIENTIFIC DEBATE AS A RESEARCH COMPETENCE DEVELOPMENT TECHNOLOGY FOR MASTERS IN PEDAGOGY I. Salamatina, Y. Chernyakova	662
INFLUENCE OF DISTANCE LEARNING ON MENTAL HEALTH OF APPLICANTS OF HIGHER EDUCATION INSTITUTIONS OF THE STATE EMERGENCY SERVICE OF UKRAINE M. Fomych, L. Mokhnar, O. Diachkova	668
A HYBRID APPROACH TO REQUIREMENTS ANALYSIS ON AN EDUCATION ANALYTICS SYSTEM R. Kauppinen, K. Silpiö, J. Hyrkäs	672
THE IMPACT OF ANIMAL EXPERIMENTATION ON ROMANIAN YOUTH M.C. Spataru, A. Moldoveanu-Gaşcu, A.C. Grădinaru, C. Spataru, C. Chiruță	682
DEVELOPING DISRUPTIVE TEACHING AND LEARNING PROCESSES R. Bušljeta Kardum, M. Kardum	691
INTEGRATING THE CROSS-CURRICULAR COMPETENCE OF COMPUTATIONAL THINKING TO FACE THE NEW DIGITAL ERA J. Bilbao, E. Bravo, O. García, C. Rebollar, C. Varela	697
A MODE OF IMPLEMENTATION OF SMART EDUCATION PRACTICES C. Feniser, J. Bilbao, C. Radu, K. Brown, E. Bravo, O. García, C. Rebollar, C. Varela	706
EDUCATION AS A FACTOR OF LIFE SUCCESS IN THE ASSESSMENTS OF COLLEGES AND UNIVERSITIES STUDENTS IN RUSSIA G. Zborovsky	712
ARE RUSSIAN STUDENTS SATISFIED WITH THEIR EDUCATION? G. Zborovsky	719
SOCIAL BASES FOR STIGMATIZATION OF SUCCESSFUL AND UNSUCCESSFUL SCHOOLCHILDREN P. Ambarova	725
FRAGMENTATION OF THE UNIVERSITY COMMUNITY IN RUSSIA UNDER THE CONDITIONS OF ACADEMIC MANAGERIALISM P. Ambarova, S. Ermolaeva	732
BENEFITS AND IMPLICATIONS OF A HYBRID SERVICE-LEARNING MODEL K. Modić Stanke, I. Tomurad, M. Majdak	740
SENSE OF BELONGING IN ENGINEERING STUDENTS DURING COVID-19 PANDEMIC I. Bezerra	749

FEEDBACK OF ENGINEERING STUDENTS ABOUT REMOTE CLASSES DURING COVID-19 PANDEMIC J. Bezerra	754
SURVEY OF THE CURRENT SITUATION OF THE IMPLEMENTATION OF POLYTECHNIC EDUCATION IN KINDERGARTENS AND PRIMARY SCHOOLS IN THE CZECH REPUBLIC	759
R. Štěpánek, V. Švrčinová, S. Slovák, P. Dostál	
METHODOLOGY FOR EVALUATION THE LEVEL OF THE UNIVERSITY INTERNATIONALIZATION V. Beliaeva, E. Frolova	765
PREVENTION PROGRAM AS A TOOL OF PRIMARY INTERVENTION IN DRUG ADDICTIONS IN PRIMARY EDUCATION PUPILS I. Šuhajdová	771
THE METHODOLOGY OF DEVELOPING PROFESSIONAL CULTURAL COMPETENCE WHILE TEACHING ESP AT NON-LINGUISTIC UNIVERSITIES E. Liakhova, O. Frolova, I. Malykhina, L. Nesterova	776
ONLINE COMPUTER-SUPPORTED INQUIRY LEARNING IN STEM-EDUCATION DURING THE COVID-19 PANDEMIC A. Van Hoe, T. Rotsaert, T. Schellens	782
MOTIVATION IN DISTANCE LEARNING: STUDENT AND PROFESSOR PERSPECTIVES E. Kazakova, E. Moshkina, O. Sergeeva, E. Tikhomirova	792
EVOLUTION OF THE IDEA PROJECT C. Salis, D. Zedda, M.F. Wilson, F. Murgia	798
DUAL TEACHING AND INTERSPERSED PROGRAMMING: LEARNING TO TEACH WITH CODE A. Fuentes-Martinez	807
REGIONAL FEATURES OF EARLY DETECTION AND PREVENTION OF DEVIANT BEHAVIOR AND RADICALISM IN A MULTICULTURAL COMMUNITY OF THE REPUBLIC OF TATARSTAN S. Khusainova, E. Palekha	814
INVESTIGATION OF THE STUDENTS' SOLUTIONS IN TASKS FOCUSED ON SELECTED ELEMENTS OF PROPOSITIONAL LOGIC IN A SCIENTIFIC AND MATHEMATICAL CONTEXT IN TEACHER EDUCATION K. Szarka, Z. Fehér, L. Jaruska, E. Tóthova Tarová	822
THE AUTONOMY SUPPORTING ENTREPRENEURSHIP EDUCATOR: PEDAGOGIES AND PERCEPTIONS C. Donaldson, J. Villagrasa, F. Sánchez	832
ONLINE ENGAGEMENT AS A DECISION CRITERION IN DIGITAL COURSE DESIGN J.W.C. Tan, G. Gervais, H.C. Koh	843
KNOWLEDGE ABOUT COVID-19 AMONG BIOLOGY AND NON-BIOLOGY UNIVERSITY STUDENTS IN THE FACULTY OF EDUCATION OF J. SELYE UNIVERSITY IN SLOVAKIA	852
E. Tóthová Tarová, K. Szarka, I. Szenczi, S. Darvay, Z. Fehér, L. Jaruska, M. Nagy, P. Balázs	
LEARNERSOURCING IN HUMANITIES AND SOCIAL SCIENCES N. Mikelic Preradovic, G. Thakkar, I. Simeon	861
KEEPING STUDENTS ENGAGED AND MOTIVATED THROUGH WORKGROUP AND NEURAL NETWORKS-BASED GROUPS MANAGEMENT DURING AND AFTER THE COVID ERA C. De Castro	867
NON-ATTENDANCE IN DUAL TEACHING OF UNIVERSITY STUDENTS DURING THE COVID-19 CRISIS O. Driha, H. Simón, D. Balsalobre, R. Simón, J.M. Casado-Díaz, A.B. Casado-Díaz	872
COVID-19 EFFECT: FROM FACE-TO-FACE TEACHING TO FORCED DUAL TEACHING. TOLERANCE OF UNIVERSITY STUDENTS TO THE CHANGE IN THE SYSTEM O. Driha, J.M. Casado-Díaz, H. Simón, D. Balsalobre, A.B. Casado-Díaz, R. Simón	879
TOOLS FOR MEASURING KNOWLEDGE OF NURSES REGARDING DIABETES MELLITUS P. Kudlová	884
FROM FACE-TO-FACE TO REMOTE LEARNING: RUSSIAN MBA EXPERIENCE V. Gerasimenko, D. Kurkova	892

QUALITY MONITORING WITH BUSINESS INTELLIGENCE DASHBOARDS IN HIGHER EDUCATIONAL INSTITUTIONS USING NVIVO APPROACH TO SUPPORT QUALITATIVE ANALYSIS A. Sorour, A.S. Atkins, C. Stanier, F. Alharbi, R. Campion	897
PREDICTORS RELEVANT TO SOCIAL PARTICIPATION OF STUDENTS WITH CEREBRAL PALSY IN ELEMENTARY SCHOOLS IN THE CZECH REPUBLIC M. Zulić, V. Hájková, N. Brkić-Jovanović	905
THE INTERNATIONALIZATION OF UNIVERSITIES IN CANADA: RATIONALES AND STRATEGIES IN CROSS-BORDER PARTNERSHIPS M. Uzenat	916
DESIGNING EDUCATIONAL STRATEGIES TO IMPROVE QUALITY AND COORDINATION BETWEEN DIFFERENT CLASS GROUPS IN CULTURAL HERITAGE MANAGEMENT ON THE TOURISM DEGREE OF THE UNIVERSITY OF THE BALEARIC ISLES (UIB) M. Forteza Oliver, L. Melis Gomila, M. Novo Malvárez, J. Andreu Galmés	923
UNDERPINNING SUCCESS FACTORS FOR INNOVATION IN UNIVERSITIES A. Saihi, B. Madani, M. Ndiaye	933
ON SOME ISSUES RELATED TO STUDENT ACADEMIC DISHONESTY D. Dobrovská, D. Vanecek	944
HISPANIC DIALECT GEOGRAPHY IN THE UNITED STATES: LINGUISTIC AND CULTURAL DIVERSITY OF CURRENT SPANISH P. Ramirez Rodriguez	949
METHODOLOGICAL STRATEGIES FOR THE ACQUISITION OF CROSS CUTTING COMPETENCES IN CONSERVATION-RESTORATION BA TRAINING PROGRAMS L. Fuster Lopez, A.M. Garcia Castillo, E.M. Montesinos Ferrandis, S. Vicente Palomino	958
COMPARING STUDENTS' RESULTS DURING REMOTE LEARNING J. Pasáčková	964
PROBLEM- AND PROJECT-BASED LEARNING IN CONSERVATION-RESTORATION TRAINING PROGRAMS	969
L. Fuster Lopez, E.M. Montesinos Ferrandis, A.M. Garcia Castillo, S. Vicente Palomino EVALUATION OF AN INTENSIVE SUMMER RESEARCH TRAINING PROGRAM FOR AMERICAN INDIAN/ALASKA NATIVE HEALTH RESEARCHERS G. Cunningham, T. Becker, C. Donald, T. Firemoon, A. Thomas, T. Zaback	977
ACTIVE LEARNING ACTIVITIES AND STUDENTS' ENGAGEMENT IN ZOOM SESSIONS DURING THE PANDEMIC S. Zakareya, F. Al-Qahtani, D. Hausawi, R. Alzahrani, K. Albargan, K. Almazher, S. Almusleh	986
STUDENTS' ATTITUDES TOWARDS THE EQUALITY OF GENDER ROLES IN THE FAMILY R. Petani, M. Skoko, L. Ivanda	995
RETHINKING THE RULES OF ENGAGEMENT IN VIRTUAL DESIGN STUDIO CLASSES B. Butragueno, J.F. Raposo Grau, M.A. Salgado de la Rosa	1004
SOME NEW STRATEGIES TO TEACH A FEW ENGINEERING COURSES DURING THE COVID-19 PANDEMIC J.L. Pantoja-Gallegos, N. Dominguez-Vergara, D.N. Dominguez-Perez	1012
METHODS OF SOLVING SOME DIOPHANTINE EQUATIONS OF THE SECOND DEGREE V. Medvid	1021
HIRING MORE EMIRATI FACULTY AND EDUCATORS IN HIGHER EDUCATION IN THE UAE H. Alfalahi	1027
MOTIVATIONS FOR PURSUING A PROFESSION AS AN EDUCATOR H. Alfalahi	1034
DEEP LEARNING IN BIOINFORMATICS – A USE-CASE INSPIRED FROM HIV VACCINE RESEARCH V.R. Dănăilă, C. Buiu	1043
COMPETENCY-BASED ASSESSMENT IN A BASIC COURSE OF FLUID MECHANICS L. Parras, J.J. Serrano-Aguilera, P. Guitérrez-Castillo, A.J. Hijano-Reyes, M.I. Olmo-Sanchez, J. Aguilar-Cabello, F.J. Blanco-Rodriguez, C. del Pino	1052
REFORMS IN THE EDUCATION OF STUDENTS AND FUTURE TEACHERS AIMED AT STRENGTHENING THE CONTENT OF THE CURRICULUM TOWARDS INFORMATION TECHNOLOGY J. Kalová, J. Pech, K. Pazourek, M. Novák	1060

G. Beta, D. Role, A. Solomenika	1066
EDUCATION AS A DRIVING FORCE OF MOTIVATION IN THE PROCESS OF ADAPTATION TO CLIMATE CHANGE M. Titko, M. Sedliaková	1073
SELF-REGULATED LEARNING OF CZECH MILITARY PROFESSIONALS IN RELATION TO THEIR AGE, LANGUAGE PROFICIENCY AND EDUCATIONAL ATTAINMENT J. Rozsypalkova, H. Brzobohata, R. Nedoma	1078
IMPROVING DIGITAL COMPETENCES IN HEALTHCARE STUDENT'S BY MEANS OF ICT A. Martinez, J. Fabra, A. Gascón, M. Ruidíaz	1087
SOUTH AFRICAN LECTURERS' SURVIVAL STRATEGIES IN THE FACE OF COVID-19 GLOBAL PANDEMIC M.S. Mkhomi, M.S. Mkhomi	1094
WORKING ON MIDDLE AGES THROUGH A GAMIFICATION PROJECT IN PRIMARY SCHOOL A. Del Campo	1095
TEACHERS' DIGITAL LITERACY M. Ribeiro, A. Fernandes, A. Fernandes	1101
COLLABORATIVE DEVELOPMENT OF OPEN EDUCATIONAL RESOURCES FOR BUILDING COMPETENCIES IN THE USE OF DIGITAL TOOLS IN CHEMISTRY A.K. Mertineit, K. Schaper, C. Bohrmann-Linde, D. Burdinski, B. Zulauf, N. Meuter, H. Hackrath, R. Kremer, N. Knipprath	1111
THE CLUSTER APPROACH IMPLEMENTATION FOR ORGANIZING THE ACTIVITIES OF GENERAL-STUDIES DEPARTMENTS IN FEDERAL UNIVERSITIES OF RUSSIAN FEDERATION N. Klescheva	1119
USING PADLET TO FOSTER CROSS CULTURAL COMMUNICATIONS: A PILOT PROJECT IN CHINA AND ISRAEL K. Eini, C. Van Horne	1125
CRITICAL THINKING, LITERACY, NUMERACY AND EPISTEMICALLY SUSPECTED BELIEFS: COMPARISON OF PRE-SERVICE TEACHERS AND THE GENERAL POPULATION E. Ballová Mikušková	1133
PRE-SERVICE CHEMISTRY TEACHER EDUCATION; INCORPORATING METACOGNITIVE PEDAGOGICAL STRATEGIES J. Trimble, O.E. Finlayson, J. Lovatt	1141
WOMEN THREADS. KNITTING CIRCLES FOR WOMEN GARMENT WORKERS' WELL-BEING E. Borsato, G.M. Conti, M. Motta	1148
RETHINKING THE ASSESSMENT WITH "ON-LINE/OFF-LINE" FLEXIBLE RUBRICS B. Urbano, A.M. Bartolomé, D.A. Carpio, F. González-Andrés	1156
CURRICULAR CONTENT TRANSFORMATION IN A PRE-SERVICE ONLINE TEACHER PLACEMENT S. Chrysostomou, A. Triantafyllaki	1160
SCHOOL LOCATION AND EDUCATIONAL QUALITY: FINDINGS FROM INTERNATIONAL LARGE-SCALE STUDENT ACHIEVEMENT STUDIES AND NATIONAL SCHOOL LEAVING EXAMINATIONS R. Zelvys, R. Dukynaite, A. Jakaitiene	1165
DEVELOPMENT OF SPATIAL PERCEPTIONS IN PRESCHOOL AGE THROUGH MAZES IN THE APPLICATION OF GAME AND COMPETENCE APPROACH K. Dimitrova	1166
SUPPORTING EXHIBITION DESIGN WITH DIGITAL TOOLS IN AN ACADEMIC LIBRARY SETTING DURING THE COVID-19 PANDEMIC M. Reberg, M. von Essen	1172
VOICE TO TEXT APP: QUALITY TEACHING AND LEARNING WITH HIGH TECH (WWW.VOPIO.TECH) O.D. Anyaiwe, R. Mesquita	1180
BARRIERS TO ACADEMIC PERFORMANCE AMONG UNDERGRADUATE FIRST-GENERATION STUDENTS AT A PREVIOUSLY DISADVANTAGED UNIVERSITY IN SOUTH AFRICA M. Pienaar, A. Padmanabhanunni, M. Smith	1186

KEEPING STUDENTS ENGAGED IN DISTANCE LEARNING S. Polskaya	1192
TOWARDS PERSPECTIVES ON TEACHERS' PROFESSIONAL DEVELOPMENT S. Polskaya	1197
PSYCHOLOGICAL FEATURES OF STUDENTS' PROCRASTINATION DURING THE COVID-19 PANDEMIC V. Bugrov, A. Kovalenko, N. Rohal, O. Demchuk	1202
RESILIENCE IN A POST-PANDEMIC WORLD – INDIVIDUAL DIGITAL READINESS IN HIGHER EDUCATION J. Steinbacher, N. Flindt	1209
THE PLACE OF SOCIAL DEVELOPMENT, SOCIAL CAPITAL AND SOCIAL MEDIA IN PHARMACY EDUCATION F. Yuksel, G. Yegen, B. Aksu	1213
THE IMPORTANCE OF SOCIAL AND EMOTIONAL SKILLS IN EDUCATION LIFE OF GENERATION Y S. Al Alsaid Ahmed, G. Yegen, B. Aksu	1214
THE DEVELOPMENT OF TRANSLATION AND INTERCULTURAL COMPETENCIES IN THE COURSE OF TEACHING LOCALIZATION OF COMPUTER GAMES O. Ramantova, N. Stepanova	1215
INFORMATION AND COMMUNICATION TECHNOLOGY SKILLS FOR PRE-SERVICE AND IN-SERVICE TEACHERS FOR THE POST-COVID-19 ERA. IMPLICATIONS FOR POLICY AND PRACTICE A. Massouti	1225
ASSESSING THE SUITABILITY OF TEACHER-EDUCATION CANDIDATES BASED ON NON-COGNITIVE MEASURES: MESILA J. Goldenberg	1226
ASSESSMENT OF TEACHER-EDUCATION CANDIDATES: COMPARING REMOTE AND FACE-TO-FACE TESTING J. Goldenberg, D. Niv	1227
KNOWLEDGE CONTROL OF FOREIGN STUDENTS IN THE DISTANCE LEARNING FORMAT AT THE INITIAL STAGE OF TRAINING R.R. Zalyalova, A.G. Gataullina, R.G. Gataulina	1228
EFFECTS OF VIRTUAL REALITY USE ON JAPANESE ENGLISH LEARNERS' FOREIGN LANGUAGE ANXIETY Y. Satake, S. Yamamoto, H. Obari	1234
BETTERGEOEDU: THE USE OF MINECRAFT IN TEACHING THE IMPORTANCE OF RAW MATERIALS IN EVERYDAY LIFE. LEARNING TO MAKE CEMENT FROM MINERALS AND ROCKS FOR PRIMARY SCHOOL STUDENTS J. Herrera Herbert, J.L. Costafreda Mustelier, C. Peña Narciso, P. Westin, D.A. Martín Sánchez	1241
UNIVERSITY TEACHERS PREFERRED DIGITAL TOOLS FOR TEACHING ENGLISH ONLINE	1248
M. Mohamed Amin, F. Zubaid Akbar, N.R. Sallihuddin, N. Paiman, N. Che Musa, N. Asurah, W. Wahi, A.S. Nizam, S. Othman	
DESIGN AND OPTIMIZATION OF A RUBRIC SYSTEM IN A UNIVERSITY MULTIDISCIPLINARY TEAM OF PHARMACY TEACHERS M.I. López-Aliaga, N. Torres-Hernández, A.B. Pérez-Torregrosa, M.J. Gallego-Arrufat	1255
TRANSFORMATIONAL LEADERSHIP IN A MULTIDISCIPLINARY TEACHING TEAM OF HIGHER EDUCATION N. Torres-Hernández, A.B. Pérez-Torregrosa, M.J. Gallego-Arrufat, M.I. López Aliaga	1263
GOOD PRACTICES OF BULGARIAN MUNICIPALITIES FOR SOCIALIZATION OF CHRISTIAN CULTURAL HERITAGE M.S. Nikolova, S. Vasileva, I. Yankova	1271
SCP FOUNDATION COMPOSITION STUDY UNDER COVID-19 S.T. Wei, T.H. Wang	1275
TWO DIFFERENT METHODOLOGIES FOR IMPLEMENTING AN ADAPTIVE LEARNING GAME - EXPERIENCES FROM THE FIELD	1284
A. Grigic Magnusson, L. Bunting, Y. Hård Af Segerstad SCIENCE POPULARIZATION IN RUSSIA. CRUCIAL TASKS AND PROSPECTS N. Parkhitko, A. Panning	1285
N. Parkhitko, A. Penzina CRITERIA FOR EVALUATION OF EDUCATIONAL USEFULNESS OF ELECTRONIC EDUCATIONAL RESOURCES S. Tsankov	1291

RECORD	1297
C. Gellner, L. Perotti, A. Koppenburger, I. Buchem, M. Dietrich, A. Heimann-Steinert ROBOTIC ARM PLATFORM DEVELOPMENT FOR EDUCATIONAL PURPOSES	1307
R. Sánchez, A. Mora Velasco, R. Barber BANNING MOBILE PHONES - THE EXPERIENCES OF THE TEACHERS T. Ott, A. Grigic Magnusson	1317
TRADITIONAL TO ONLINE OVER NIGHT: HOSPITALITY STUDENT SATISFACTION DURING THE FIRST COVID-19 SEMESTER L. Zizka, I. Blal, R. Etamad-Sajadi, M. Sandoval-Alvarado	1318
COMPARATIVE STUDY OF ACADEMIC MOTIVATION OF INTERNATIONAL MEDICAL STUDENTS: UNIVERSAL VS. CULTURE-BOUND MOTIVATIONAL DRIVERS L. Prokofyeva, V. Zhura, Y. Rudova, M. Nevzorova, S. Mayboroda	1326
IMPLEMENTATION OF QUASI-AUTONOMOUS PEER-ASSESSMENT ACTIVITIES USING A SAKAI-BASED E-LEARNING PLATFORM J. García-Rupérez, M.J. Muñoz Portero, M.A. Bes Piá, M.E. Blasco Tamarit, L.A. Tortajada Genaro, M.J. Bañuls Polo, B. Vidal, P. Sanchis Kilders, M.L. Fenollosa Ribera, R. Sánchez Tovar	1335
DOES RESPONSE-OPTION POSITION AFFECT MULTIPLE CHOICE ITEMS' DIFFICULTY AND DISCRIMINATION? I. Serrano Blaya, C. García	1340
ENHANCING INTERCULTURAL LITERACY THROUGH INTEGRATING CRITICAL READING OF ONLINE NEWSPAPERS INTO THE COUNTRY STUDIES CURRICULUM FOR UNDERGRADUATE LEARNERS V. Yaremenko, O. Suleimanova, A. Vodyanitskaya	1348
NEW APPROACHES TO EVALUATION OF CORRECT PRONUNCIATION B. Petrášová, F. Sabo	1355
THE CO-CONSTRUCTION OF STUDENT REFLECTION: A DIALOGICAL PERSPECTIVE ON ONLINE ORAL EXAMINATIONS IN HIGHER EDUCATION C. Wiig, C. Sellberg	1365
THE INFLUENCE OF THE LEVEL OF SOCIAL COMPETENCIES OF A CHILD IN KINDERGARTEN: THE ADAPTATION OF A PUPIL IN THE 1ST GRADE OF PRIMARY SCHOOL J. Petrová, M. Fasnerová	1366
SCHOOL SUCCESS OF PUPILS IN THE SECOND GRADE OF PRIMARY SCHOOL IN RELATION TO POSTPONEMENT OF SCHOOL ATTENDANCE M. Fasnerová, J. Petrová	1373
ASSOCIATIVE STIGMA AND THE IMPACT ON EDUCATION: TEACHERS PERCEPTIONS OF PARENTS OF CHILDREN WITH SPECIAL HEALTHCARE AND EDUCATION NEEDS C. Olmstead	1379
EDUCATION AND INNOVATION - VET STUDENTS INTO TECHNOLOGY COMPANIES L. Gómez-Estrada, L. Pietra, C. Zoli, A. Soriano Martínez, P. Karampelas, A.M. Almeida, J.S. Nunes, J.M. Martínez Ardil, M.T. Guillot-Ferriols, S. Clara-Trujillo, C. Solano Martínez, L. Gómez-Estrada, J.L. Gómez Ribelles	1380
CO-CREATING TEACHING AND LEARNING: AN "EMOTIONAL SUSTAINABLE" TEACHING INNOVATION R. Silva, R. Bombieri	1386
THE READING COMPREHENSION – RECIPROCAL TEACHING PROGRAM TO IMPROVE TEXT UNDERSTANDING: THE IMPACT OF MODELING PRACTICES IN TEACHER TRAINING R. Vegliante, M. Santonicola, S. Miranda, A. Marzano	1395
DISTANCE LEARNING DURING THE FIRST COVID-19 LOCKDOWN: CRITICALITIES AND POTENTIALITIES R. Vegliante, C. Montefusco, S. Miranda, A. Marzano	1405
ENTREPRENEURSHIP EDUCATION: HOW POSITIVENESS AND INTUITION SHAPES ENTREPRENEURIAL ALERTNESS TO DISCOVER K. Fellnhofer	1413
TEACHING OF INSULATION CONSTRUCTIONS OF THE ELECTRICAL DEVICES VIA SOFTWARE ENVIRONMENT V. Raydovska	1414

A TECHNOLOGY-ENHANCED FLIPPED CLASSROOM USING REMOTE LABORATORY: ENHANCING SECONDARY STUDENTS' SELF-REGULATED LEARNING AND PERFORMANCE L.H. Lee	1420
DEVELOPMENT OF THE SPANISH LANGUAGE IN THE HISPANIC SOCIETIES OF CALIFORNIA AND NEW YORK: SOCIAL INFLUENCE AND CONSTRUCTION OF IDENTITY THROUGH PHRASEOLOGY P. Ramirez Rodriguez	1430
SERVICE DESIGN EXPERIMENTAL LEARNING IN ADULT EDUCATION O. Bogdanova, K. Brusila-Meltovaara, J. Iso-Aho, T. Vuorela	1438
LEARNING FRACTIONS IN PRIMARY SCHOOL SHOULD FOCUS ON REASONING OR ARITHMETIC? R. Barros, T. Nunes, L.E. Malmberg	1444
FROM BASIC TRAINING TO TRAINING FOR EMPLOYMENT IN THE TECHNOLOGICAL SECTOR, THROUGH A VIRTUAL AND PERSONALIZED LEARNING J. Rizo Albero, L. Gómez-Estrada, C. Solano Martínez, R. Sixto Iglesias, J.L. Gómez Ribelles	1452
ANALYSIS OF THE COMMANDERS' PREPARATION CONCEPT AT THE LEVEL OF DIRECT LEADERSHIP IN THE ARMY OF THE CZECH REPUBLIC E. Kozáková, R. Saliger	1459
PERCEPTION AND KNOWLEDGE OF HIGHER EDUCATION STUDENTS ABOUT THE IMPACT OF FOOD CHOICE ON CLIMATE CHANGE: A STUDY IN A PORTUGUESE INSTITUTION A. Almeida	1468
THE APPROACH OF SOCIOSCIENTIFIC ISSUES THROUGH CHILDREN'S LITERATURE: A SURVEY ABOUT THE IMPORTANCE GIVEN BY PRE-SERVICE TEACHERS A. Almeida, C. Gonçalves	1476
EXPLORING THE EFFECTIVENESS OF A PROGRAM THAT PREPARES CONTENT TEACHERS TO TEACH ENGLISH LEARNERS S. Vakil, L. Smolen	1484
PROPOSAL FOR A METHODOLOGY TO TRANSFER TECHNOLOGY AND KNOWLEDGE OF TECHNOLOGICAL DEVELOPMENTS TO THE MARKET AT THE UNIVERSITY OF GUANAJUATO, MEXICO	1491
R. Rodríguez-Carvajal, P. Isiordia-Lachica, J.A. Romero Hidalgo, E.R. Vázquez-González, R. A. Rodríguez Ojeda, J.R. Fuentes-Lara	
TEACHING THE SCIENTIFIC STYLE OF SPEECH TO FOREIGN STUDENTS: HISTORY, THEORY, METHODOLOGY L. Prokofyeva, N. Novikova, M. Budiltseva, I. Varlamova, O. Mikhailova	1500
AN APPROACH FOR ONLINE INFORMATION TECHNOLOGIES TRAINING E. Goranova, A. Kolev	1505
EDUCATION FOR SUSTAINABLE DEVELOPMENT – INFORMATION PROVIDED BY URBAN SUSTAINABILITY AUDITS S. Janoušková, E. Stratilová Urválková, T. Hák	1512
COLLABORATIVE E-LEARNING SYSTEM (CELS) A. Al Amroo, P. Newbury	1518
SMARTHANDS: USE OF DIGITAL REALITIES FOR MANUAL MEDICINE TRAINING A. Makhkamova, O. Gast, M. Funk, F. Norouzinia, D. Werth	1525
FEEDBACK IN UNIVERSITY DIDACTICS THROUGH ONE MINUTE PAPER TOOL C. Laici, M. Pentucci	1531
MANDATORY COMMUNITY SERVICE LEARNING AT A PRIVATE UNIVERSITY IN MALAYSIA: WAS IT WORTHWHILE? H.Y. Yeong, A.R. Md Deni	1541
FRAMEWORK FOR STUDYING STUDENTS' EXPERIENCES OF PRACTISING FOREIGN LANGUAGE SPEAKING SKILLS WITH CONVERSATIONAL AGENTS IN SPOKEN DIALOGUE SYSTEMS E. Ericsson, M. Jansson	1551
VIRTUAL TRAINING ON PROBLEM BASED LEARNING DURING COVID-19: THE POTENTIAL FOR SUCCESSFUL TRAINING TRANSFER D. Thompskoon, V. Vanjugnooda, T. Madhuhanoi, V. Parena, E. Vathrianachchi	1552

APPLICATION OF VIRTUAL AND AUGMENTED REALITY TO TEACHING AND DISSEMINATION ACTIVITIES IN CHEMICAL ENGINEERING J. Portela Miguélez, C.J. Álvarez Gallego, I. de Ory Arriaga, A.M. Blandino Garrido, I. Caro Pina, L. Casas Cardoso, C. Mantell Serrano, R. Martín Minchero, L.I. Romero García, J. Sánchez Oneto, A. Montes Herrera, F. Lorenzo Díaz	1553
RESEARCH COMPETENCES OF INCLUSIVE TEACHERS: A SURVEY M.V. Isidori, A.M. Ciraci, A. Santelli	1558
EFFECTIVENESS OF PROBLEM-BASED LEARNING METHODOLOGY IN TEACHING STATISTICAL INFERENCE A. Oya-Lechuga, A.M. Martínez-Rodríguez	1562
THE COLLABORATIVE TEACHER-STUDENTS' WORK: COMPILING THE E-GLOSSARY ON BRITISH STUDIES A. Zhuchenko	1563
THE ETHNOGRAPHIC RESEARCH ON TEACHERS' DIGITAL COMPETENCE AND LIFELONG E-LEARNING A. Zhuchenko	1570
TRAINING AND ROLE OF THE PARENT - A KEY FACTOR FOR PROPER HEALTHY DEVELOPMENT OF PRESCHOOL CHILDREN P. Kasnakova, A. Mihaylova, D. Bakova, M. Becheva	1578
INQUIRY / RESEARCH -BASED LEARNING (IBL/RBL) FOR THE DEVELOPMENT OF THE FINAL DEGREE PROJECT IN PHARMACY DURING THE SUPERVISED PRACTICUM AND FOCUSED ON PROFESSIONAL PHARMACY SERVICES A. Isla, A. Del Pozo-Rodríguez, J. Zarate, B. Calvo, J. Rodríguez-Castejón, I. Gómez-Aguado, M.A. Solinís	1585
DESIGN OF AUDIOVISUAL MATERIAL FOR A DISTANCE TEACHING METHODOLOGY IN THE FIELD OF GRAPHIC DESIGN AND TYPOGRAPHY J. Armijo-Tortajada, N. Tarazona-Belenguer, O. Ampuero-Canellas	1592
TYPOGRAPHY TEACHING EXPERIENCE AND METHODOLOGY J. Armijo-Tortajada, N. Tarazona-Belenguer, J. González-Del Río	1603
AN INNOVATIVE TURN OF LINGUODIDACTICS DURING THE PANDEMIC: THE EXPERIENCE OF IMPLEMENTING EDUCATIONAL AND SCIENTIFIC-METHODOLOGICAL ACTIVITIES IN THE REPUBLIC OF ARMENIA T. Cherkashina, IU. Chernova, T. Nechaeva, N. Novikova, T. Kolyadina	1610
THE PROBLEM OF IDEOLOGICAL CONVERGENCE IN A MULTILINGUAL EDUCATIONAL SPACE I. Chernova, T. Cherkashina, N. Novikova, T. Nechaeva, T. Kolyadina	1619
THE ORGANIZATION OF MULTIGRADE TEACHING IN PRIMARY SCHOOL. CHALLENGES AND CHANCES I.R. Acatrinei, A.O. Popovici	1627
COORDINATED MULTIDISCIPLINARY INTERVENTION IN THE DEGREE IN LAW INTRODUCING SUSTAINABLE DEVELOPMENT GOALS THROUGH INNOVATIVE PEDAGOGICAL STRATEGIES 1. Ordeñana Gezuraga, I. Suberbiola Garbizu	1634
IS IT POSSIBLE TO AVOID AND/OR MINIMIZE STUDENT DROPOUT IN THE FIRST YEAR OF THE DEGREE IN LAW? REPORT OF A TEACHING INNOVATION EXPERIENCE IMPLEMENTED FOR THIS PURPOSE IN THE SUBJECT PROCEDURAL LAW I. Ordeñana Gezuraga	1640
THE SHARING ECONOMY: BEHAVIOR AND MOTIVATIONS OF PORTUGUESE HIGHER EDUCATION STUDENTS M. Ribeiro, A. Fernandes, A. Fernandes	1646
LESSONS LEARNED AND REFLECTIONS FROM THE FIELD: CHANGING A FACE-TO-FACE LITERACY TUTORING PROGRAM TO AN ONLINE FORMAT DURING COVID-19 R. Salas	1655
USE OF GEOMETRIC TRANSFORMATIONS FOR THE DEVELOPMENT OF SPATIAL PERCEPTIONS IN KINDERGARTEN THROUGH THE IMPLEMENTATION OF COMPETENCY-BASED LEARNING APPROACH K. Dimitrova	1656
THE IMPORTANCE OF OBJECTIVE EVALUATIONS IN STIMULATING FAIR COMPETITIVENESS IN HIGHER VETERINARY EDUCATION A.C. Grădinaru, M.C. Spataru, G. Pavel	1661
CREATIVITY AND SPATIAL SKILLS IN SOLID GEOMETRY AND PLANE GEOMETRY IN PRIMARY SCHOOLS M. Kmetova, Z. Nagyová-Lehocká, T. Szabó	1666

ANALYSIS OF THE CURRICULUM AND EDUCATIONAL CONDITIONS OF SECONDARY ENGINEERING SCHOOLS WITH A CLOSER FOCUS ON DIGITAL TECHNOLOGIES V. Švrčinová, J. Malach, R. Štěpánek, S. Slovák, P. Dostál	1674
BRIDGING THE GAP BETWEEN EDUCATION AND PROFESSION: AN EXERCISE ON THE IMPLEMENTATION OF AN ACTUAL TELECOM NETWORK G. Pagiatakis, N. Voudoukis, D. Uzunidis	1680
TEACHING ETHICS AND ACADEMIC INTEGRITY – EDUCATIONAL CHALLENGES AND INSTITUTIONAL CONTEXTS C.C. Băiaș, C.T. Luminosu, S.F. Suciu	1684
RAISING AWARENESS AMONG ENGINEERING STUDENTS IN SUSTAINABILITY THROUGH CHEMICAL PRACTICES IN THE LABORATORIES R. Fernández, A. Morales, I. Egües, N. Izaguirre, M.A. Andrés	1690
TOWARDS ACTIVE AND SOCIAL LEARNING THROUGH THE COMBINATION OF FLIPPED CLASSROOM AND JUST-IN-TIME LEARNING V. Santamarina-Campos, M.A. Carabal-Montagud, M. Segarra-Oña, J.L. Gasent-Blesa	1695
MATHEMATICAL LITERACY FROM THE PERSPECTIVE OF PROSPECTIVE TEACHERS J. Laitochová, M. Uhlířová, N. Rusnoková	1710
ASTRAS, A PLATFORM FOR THE COGNITIVE TRAINING OF EXECUTIVE FUNCTIONS IN CHILDREN WITH NEURODEVELOPMENTAL DISORDERS: PRELIMINARY USABILITY AND GAME EXPERIENCE TESTING	1716
R. Nappo, G. Crisci, F. Ciaramella, V. Boccia, C. Carillo, M.M. Giugliano, I. Mammarella, A. Rega MATHEMATICAL NON-STANDARD TASKS FOCUSING ON ADDICTIONS,	1725
RELATIONSHIPS AND WORKING WITH DATA FOR HIGH SCHOOL STUDENTS J. Laitochová, M. Uhlířová, M. Škultéty	1723
IS WOMEN EMPOWERMENT ESSENTIAL IN EDUCATION? THE LEADERSHIP STYLES OF WOMEN POLICYMAKERS IN THE EDUCATION INDUSTRY S. Baqutayan, N.A. Yusof, A. Mahdzir, S.H. Salleh, I.S. Saimy	1731
VERIFICATION OF THE LEVEL OF KNOWLEDGE OF PRIMARY SCHOOL GRADUATES IN THE SUBJECT OF CHEMISTRY B. Tokárová, Z. Jenisová, M. Feszterová, D. Oremusová, M. Drexlerová	1739
IS THE COVID-19 A NEW CHALLENGE TO EDUCATION? LIFELONG LEARNING IN A CONTEXT OF FEAR FOR REFUGEE CHILDREN S. Baqutayan, S. Bagotayan	1749
GAME BASED LEARNING IN HIGHER EDUCATION AS A METHOD FOR ACHIEVING ESSENTIAL COMPETENCES FOR THE LABOR MARKET OF THE 21ST CENTURY D. Atanasescu, G. Prostean, O. Giuca	1754
DEVELOPING SPATIAL ORIENTATION IN PRESCHOOL CHILDREN THROUGH WORK WITH MAPS M. Uhlířová, J. Laitochová, G. Vrbová	1764
REFLECTING ON EDUCATIONAL BENEFITS OF MATHEMATICAL COMPETITIONS FROM THE VIEWPOINT OF PRIMARY SCHOOL TEACHERS M. Uhlířová, J. Laitochová, M. Škultéty	1774
EXPRESSION OF THE FEATURES OF THE MODEL OF LEADERSHIP FOR LEARNING IN THE PRESCHOOL EDUCATION INSTITUTION E. Masiliauskiene, K. Kudriavcevaite, J. Lenkauskaite	1781
EXPRESSION OF THE DIGITAL COMPETENCE OF PRESCHOOL TEACHERS E. Masiliauskiene, M. Daugirdaite, J. Lenkauskaite	1790
TRADITIONAL CHINESE FAMILY AS THE BASIS FOR RAISING A CHILD S.H. Zhang, Y. Du, C. Zhou	1800
DESIGNING AND COMPILING AN ELECTRONIC DICTIONARY FOR TEACHING OLD ENGLISH LINGUISTICS IN ENGLISH STUDIES A.E. Ojanguren López	1806
IOT: A NEW DIMENSION OF DIGITAL DIVIDE K. Rasheva-Yordanova, I. Kostadinova, S. Toleva-Stoimenova	1811
EXAMINING THE ROLE OF EMOTIONS IN LEARNING WITH TECHNOLOGY R. Kay, L. Banks, C.D. Craig	1817
INVESTIGATING THE EFFECTIVENESS OF SYNCHRONOUS LEARNING IN HIGHER EDUCATION	1823
R. Kay, C.D. Craio, L. Banks	

SELF-ASSESSMENT IN ONLINE LEARNING FOR HIGHER EDUCATION - A SYSTEMATIC REVIEW OF THE LITERATURE C.D. Craig, R. Kay	1824
EXAMINING PEER ASSESSMENT IN ONLINE LEARNING FOR HIGHER EDUCATION - A SYSTEMATIC REVIEW OF THE LITERATURE C.D. Craig, R. Kay	1832
DEVELOPMENT OF AN EVALUATION TOOL FOR ASSESSING THE USE OF INCLUSIVE LANGUAGE: AN INSTITUTIONAL PERSPECTIVE M. Díaz-Millón, I. Rivera-Trigueros, Á. Pérez-Contreras	1842
THE VISION OF LIBRARY SPECIALISTS REGARDING MOBILE DIGITAL LIBRARIES AND MOBILE LEARNING M. Garvanova, E. Tsvetkova	1848
APPROACHES TO LEARNING OF FIRST YEAR BIOTECHNOLOGY STUDENTS IN TWO DIFFERENT SUBJECTS L. Atarés-Huerta, M. Leiva-Brondo, N. Lajara-Camilleri	1854
OPPORTUNITIES AND CHALLENGES OF MASSIVE OPEN ONLINE COURSES (MOOC) IN CENTRAL EUROPE. THE CASE OF HUNGARY É. Berde, G. Kutasi	1862
ACCOMPANIED SELF-RENOVATION: A MASSIVE ONLINE COURSE TO MEET THE NEED OF A PROFESSIONAL REHABILITATION EXPERT IN PEOPLE-CENTERED AND LOW-COST RENOVATIONS	1863
B. Onecha, C. Cornadó, M. Bosch, M. Bosch Prat, E. Crespo, A. Pérez, R. Cabrera, J.R. Rosell, X. Casanovas	
DESIGNING A CURRICULUM OR TRAINING COURSE - MAIN ASPECTS OF A SYSTEMATIC APPROACH S. Tsankov	1870
INTERVENTION STUDY FOR TEACHERS IN INDONESIA TO ENGAGE WITH TWICE- EXCEPTIONAL CHILDREN IN THE CLASSROOM S. Maliha, P. Newcombe, R. Gillies, F. Mangunsong	1876
INNOVATIVE ACTIVE LEARNING METHODOLOGIES APPLIED IN BACHELOR THESIS RELATED TO HEALTH AND AGING TO ACHIEVE SUSTAINABLE DEVELOPMENT GOALS: IKASASUN-ODS PROJECT	1883
S. Gómez-Zorita, T. Morera-Herreras, M. Torrecilla, L. Sáenz-Del Burgo, G. Puras, E. Mateo, E. Eraso, E. Sevillano, A. Fernández-Quintela, I. Fernández, AM. Ochoa de Retana, I. Milton, MP. Portillo, C. Miguelez, A. Vallejo, L. Aguirre, S. Ballesteros, J. Ciriza, C. Bruzos-Cidón	
ENGLISH LESSONS PROJECT ACTIVITIES IN DEVELOPING STUDENTS' COMMUNICATIVE COMPETENCE AT THE ADVANCE STAGE OF TRAINING E. Harkova, K. Bashkirova	1884
SPEECH SKILLS FORMATION USING THE TED PLATFORM AT THE ADVANCE STAGE OF TRAINING E. Harkova, K. Bashkirova	1890
CREATIVE TEACHING AND LEARNING DURING THE PANDEMIC TIMES H. Blažková, M. Fasnerová	1897
#ECAPACITAR – A PATH TOWARDS AN INNOVATIVE AND TAILORED ELEARNING SOLUTION IN A HEI A. Loureiro, D. Rocha, P. Santos Silva	1903
PLAGIARISM CHECK OF LINGUISTICS THESES FOR BACHELOR'S AND MASTER'S DEGREES N. Popova, O. Bratel, M. Kostiuk, G. Syngayivska	1909
APPLICATION OF 3D TECHNOLOGIES IN THE TEACHING OF HUMANITARIAN SPECIALTIES S. Denchev, I. Trenchev, T. Trencheva, I. Peteva	1916
RESEARCH OF THE CONCEPTS IN THE TRAINING IN COMPUTER GRAPHICS I. Trenchev	1923
SCHOOL READINESS: BRIEF ANALYSIS OF USED DIAGNOSTIC MATERIALS IN THREE EUROPEAN COUNTRIES AND USA J. Vítová, J. Wolf, M. Maněnová	1931
THE ANALYSIS OF SUMMER CAMP SATISFACTION OF CHILDREN FROM CROATIA AND RUSSIA: INFORMAL LEARNING AS THE PATH TO CHILDREN WELL-BEING S. Tatalović Vorkapić, T. Cikač Dolić	1940

LEVEL OF SCHOOL MATURITY AND READINESS OF CHILDREN FROM PREPARATORY CLASSES IN CZECHIA J. Vítová, J. Wolf, M. Maněnová	1950
PREPARATION OF FINANCIAL STATEMENTS AND FINANCIAL RISK ANALYSIS M. Trencheva	1955
INTERNATIONAL AUDITING STANDARDS AND BANKING STABILITY M. Trencheva	1964
EXAMINING THE EVOLUTION OF MARKETING CURRICULA IN PORTUGAL – A LONGITUDINAL STUDY A. Estima, S. Marques	1972
THEATER-BASED LEARNING IN SALES EDUCATION: A LAB OF EMOTIONS AND SELF-DISCOVERY A. Estima, S. Marques, J. Marques	1981
THE APPLICABILITY OF MINORITY ONOMASTIC RESEARCH IN UNIVERSITY EDUCATION J. Bauko	1986
RESEARCH AND TEACHING OF THE BILINGUAL ONYMIC LANDSCAPE AT THE HUNGARIAN INSTITUTE OF CONSTANTINE THE PHILOSOPHER UNIVERSITY IN NITRA J. Bauko	1992
TRANSMEDIA AS AN EDUCATIONAL STRATEGY IN ONLINE EDUCATION N. McGowan	1999
TEACHERS' VIEW OF INTERNATIONALIZATION IN A LOCAL RUSSIAN UNIVERSITY T. Dubrovskaya, O. Musorina	2007
AFFORDANCES AND CHALLENGES OF IMPLEMENTING MATHEMATICAL MODELING IN SECONDARY CLASSROOMS: TEACHERS' PERSPECTIVES M. Amenya, A. Perkoski, R. Cane, J. Dinapoli	2014
MOBILE DIGITAL LIBRARIES AND MOBILE LEARNING – AN ANSWER TO THE MODERN DEMAND OF INFORMATION USERS M. Garvanova, E. Tsvetkova	2024
VALUES AS A UNIFYING POWER IN TEACHERS' ONLINE COMMUNITIES T. Dubrovskaya, E. Yuskaeva	2030
GREAT FUN BUT MY ROSE IS SOGGY! DEVELOPING LANGUAGE LEARNING MATERIALS THROUGH DIGITALIZED INTERCULTURAL TASK-BASED ACTIVITIES J. Buitrago	2038
THE MISSING LINKAGES BETWEEN EDUCATION AND ECONOMIC GROWTH IN SUB SAHARAN AFRICAN COUNTRIES: A HUMAN CAPITAL THEORY PERSPECTIVES M. Matashu	2039
SERIOUS GAMES: A TOOL WE CAN USE AS REAL WORLD SIMULATOR. "CITIES SKYLINES" IN THE LEARNING OF THE LAW ON EXPENDITURES I. Suberbiola Garbizu	2045
VIRTUAL AND AUGMENTED REALITY TECHNOLOGY IN EDUCATIONAL PROCESS: ISSUES AND PERSPECTIVES A. Nurutdinova, E. Dmitrieva, D. Shakirova, Z. Fazlyeva, E. Panfilova	2049
ACTIVE LEARNING METHODOLOGIES: HOW HAS ITS USE EVOLVED IN THE UNIVERSITY TEACHING? S. Guijarro-Romero, C. Casado-Robles, D. Mayorga-Vega	2058
SCHOOL DROPOUT RETURN: USING AR TO INTEGRATE FEATURED SCHOOL COURSES TO ENHANCE THE JUNIOR HIGH SCHOOL INDIGENOUS DROPOUTS' LEARNING WILLINGNESS S.T. Wei, J.F. Wang, T.H. Wang	2063
A PRACTICAL REPORT AND CONSIDERATION OF AN ONLINE INTERCULTURAL STUDY TOUR FOR UNIVERSITY STUDENTS IN FOUR ASIAN COUNTRIES C. Yoshida, K. Shimizu, J. Sakurai	2070
SURVIVING TROUBLED TIMES DURING THE GLOBAL PANDEMIC: CREATIVITY IS YOUR LIFELINE M.S. Rogers, H.B. Tilley	2079
A REVIEW OF LEARNING LOSS DURING COVID-19 H. Patrinos, R. Donnelly	2087

AT WORK EXPERIENCE M.T. De Monte, M. Hilzensauer	2088
MEDICAL HISTORY CONSTRUCTION: TEACHING WITH GAMIFICATION IN EMERGENCY MEDICINE V. Burgess, A. Fica, M. Rojas	2097
SENSORY STIMULATION AS A SUPPORT TOOL IN THE EDUCATION OF STUDENTS WITH MULTIPLE DISABILITIES G. Tigre, E. Tirado, M. Quizhpi	2104
HARDWARE AND SOFTWARE FOR TEACHING LORAWAN TECHNOLOGY IN ENGINEERING EDUCATION D. Tokmakov	2112
EXPLORING UNIVERSITY STUDENTS' EXPERIENCES AND PERCEPTIONS OF BREAKOUT ROOMS IN SYNCHRONOUS ONLINE CLASSROOMS DURING COVID-19 C. Savvidou, K. Alexander	2119
PECULIARITIES AND OPPORTUNITIES IN ACHIEVING MORAL EDUCATION IN PRIMARY SCHOOL A.O. Popovici, I.R. Acatrinei	2128
PROBLEMS OF ENGLISH AS A SECOND LANGUAGE STUDENTS' MOTIVATION FOR LEARNING ENGLISH E. Afonina, E. Chugunova, M. Lukoyanova, N. Batrova	2133
THE RESULTS OF THE FORMATION OF LINGUISTIC AND INFORMATION COMPETENCE OF FOREIGN MASTER OF ARTS STUDENTS STUDYING RUSSIAN AS A FOREIGN LANGUAGE M. Lukoyanova, N. Batrova, E. Chugunova, E. Afonina	2138
STUDENTS' PERCEPTION OF BLENDED ONLINE LEARNING DESIGN BASED COLLABORATIVE LEARNING MODEL AND ITS IMPACT ON LEARNING OUTCOMES D. Padmo, S. Julaeha, K. Kartono	2144
SERVICE-LEARNING SUPPORTING CAREER MANAGEMENT K. Modić Stanke, D. Galešić, D. Maslić Seršić	2153
CONSIDERATIONS OF THREE AGENTS INVOLVED IN THE TRAINING PROCESSES IN THE HEALTH SCIENCES: STUDENTS, TEACHERS AND PATIENTS BEFORE A TEACHING INNOVATION PROJECT IN THE FACULTY OF PHYSIOTHERAPY M.M. Bernabé Villodre, M. Aguilar Rodríguez, P. Serra Añó, M. Zarzoso Muñoz, V. Martínez Bello	2162
THE CREATION OF AUDIOVISUAL CONTENT ON MUSICALIZED MOVEMENT IN TERMS OF DIVERSITY AND INCLUSION V. Martínez Bello, M.M. Bernabé Villodre	2167
DIGITAL MATURITY MODEL FOR BULGARIAN SCHOOLS S. Gaftandzhieva, R. Doneva, M. Docheva	2172
THE USE OF INSTRUCTIONAL VIDEO IN DISTANCE LEARNING IN SECONDARY SCHOOL; CASE STUDY	2182
J. Ševčíková, J. Plischke, J. Nábělková, P. Hanáková, T. Lípová LEADERSHIP AND EDUCATIONAL MANAGEMENT IN PORTUGAL: A GUARANTEE FOR THE SUCCESS OF SCHOOLS A. Souto-Silva, S. Sá	2191
TEACHING LAB-BASED COMPUTER NETWORKING THROUGH PERFORMANCE- CENTERED APPROACH D. Tokmakov, A. Bekyarova-Tokmakova	2200
WHAT PARENTS THINK ABOUT DIGITAL MEDIA IN THE CLASSROOM: CASE STUDIES FROM A SECONDARY SCHOOL DURING THE COVID-19 PANDEMICS DISTANCE LEARNING G. Türken, G. Marci-Boehncke	2208
AWARENESS OF STUDENTS OF THE FACULTY OF EDUCATION OF THE PREVENTION OF RISKY BEHAVIOR ON THE INTERNET J. Miková, R. Kárníková	2216
CLIP THINKING OF MODERN PUPILS / STUDENTS: OBSERVATIONS OF TEACHERS OF UKRAINE S. Skvortsova, T. Symonenko, L. Nichugovska, R. Romanyshyn	2223
DEVELOPMENT OF FULL-SCALE 3D PRINTED MODEL OF HUMAN BODY WITH ORGANS AND ASSOCIATED ARTERIES FOR TRAINING NURSING STUDENTS L. Lioce, S. Tidwell, C. Gunter, M. Myler, D. Moeller, G. Maddux, B. Schroer	2231

DEVELOPMENT OF SPECIALIZED 3D PRINTED TRAINERS FOR TRAINING NURSING STUDENTS	2241
L. Lioce, S. Tidwell, M. Myler, C. Gunter, D. Moeller, G. Maddux, B. Schroer THE PERCEIVED INFLUENCE OF INSTRUCTIONAL LEADERSHIP ROLES PLAYED BY ACCOUNTING EDUCATORS ON LEARNER PERFORMANCE IN SOUTH AFRICAN SECONDARY SCHOOLS L. Nwosu, M. Matashu	2250
HOW DOES THE USE OF THE EDWIN ECOSYSTEM ENCOURAGE A CHANGE IN TEACHING AND LEARNING? L. Beaudin	2257
PROBLEM-BASED LEARNING AND TEACHER TRAINING IN MATHEMATICS: MAKING SENSE OF WORD PROBLEMS M. Cazzola	2258
TRAINING AND SUPPORT OF SECONDARY SCHOOL TEACHERS IN SLOVAKIA DURING COVID19 CRISIS J. Hudáková, V. Papcunová	2265
COMPARING TEACHERS' BELIEFS IN AND PRACTICES OF QUESTIONING IN THE UK AND CHINA W. Zhang, D. Wray	2271
MERGING SCIENCE AND SOFT SKILLS FOR MASTER STUDENTS N. Ten, M. Didkovskaia, M. Kurushkin, V. Limonova	2278
MACHINE SUPPORTED TEACHING – A VISION FOR USING MACHINE LEARNING TECHNIQUES TO ASSIST HUMAN LECTURERS E.G. Haffner	2286
THE USE OF PUPILS' PERSONAL MOBILE DEVICES AS THEIR OWN PHYSICS LABORATORIES P. Bohackova	2296
DEVELOPING HUMAN CAPITAL THROUGH INTERCULTURAL COMMUNICATION COMPETENCES E. Švejdarová	2303
CODE OF ETHICS AND SUSTAINABILITY STRATEGY – A CASE OF A DIALOGICAL STUDENT-CENTERED LEARNING PROJECT E. Švejdarová	2313
PROSPECTIVE TEACHERS' ATTITUDES TOWARDS EDUCATIONAL ROBOTS IN PRIMARY EDUCATION P. Oreški	2322
ARMDOCT PROJECT: REFORMING DOCTORAL EDUCATION IN ARMENIA IN LINE WITH NEEDS OF ACADEMIA, INDUSTRY AND CURRENT EUROPEAN UNION PRACTICES L. Oliveira, E.L. Cardoso	2332
COMMUNITY EDUCATION AS A TOOL FOR BUILDING ITS RESILIENCE IN DISASTER PREPAREDNESS E. Polcarová, M. Smetana	2333
IMPLEMENTATION OF DIGITAL SYSTEMS FOR NATIONAL EXAMS IN SWEDISH K-12 EDUCATION: CONSEQUENCES, CHALLENGES, AND POSSIBLE LEARNINGS E. Winerö, S. Serholt, J. Lundin	2342
TECHNOLOGY INTEGRATION IN A DISTANCE AND E-LEARNING CONTEXT: A TPACK PERSPECTIVE R.W. Maladzhi, L. Mbati	2349
DESIGNING IMPERFECTION AS A DRIVER OF INNOVATION. GLOBAL CHALLENGES NURTURE AN INTERNATIONAL NETWORK IN THE POST-PANDEMIC ERA A. Rebaglio, C. Predonzan	2359
TRANSFORMING HORIZONTAL TIES WITHIN ON-LINE/ OFF-LINE MIXED UNIVERSITY CLASSES K. Olkhovikov, S. Olkhovikova	2367
PROJECT WORK AS AN EFFECTIVE FORM OF PROFESSIONAL AND LINGUISTIC COMPETENCE FORMATION O. Satkovskaia	2372
USING INTERNET RESOURCES IN TEACHING ENGLISH AS A SECOND LANGUAGE	2373

ADAPTATIONS IN ENGINEERING TEACHING DUE TO COVID-19: A TRANSITION TOWARDS BLENDED LEARNING	2379
O. Miguel-Escrig, C. Díaz-Sanahuja, I. Peñarrocha-Alós, R. Sanchis-Llopis	
PRACTICING MONOLOGUE SPEECH THROUGH VOICING A VIDEO FRAGMENT AS A MEANS OF TEACHING LANGUAGE FOR SPECIFIC PURPOSES A. Kravchenko, L. Mayorova, V. Avdeeva, A. Bogatov, N. Kabanova	2387
FORMATION OF SELF-ORGANIZATION AS CONDITION OF PERSONAL DEVELOPMENT OF TRAINEE IN DIGITAL EDUCATIONAL ENVIRONMENT M. Artyukhina, E. Chekaleva, S. Mitrohina, N. Krivopustova, O. Abramova, L. Nesterova	2392
RECOMMENDATION SYSTEMS AND AI SOLUTIONS GUIDING OPEN (LIFE-LONG) LEARNING – A DEVELOPMENT PROJECT IN FIVE UNIVERSITIES OF APPLIED SCIENCES IN FINLAND	2397
P. Tani, S. Huttunen, H. Ahokallio-Leppälä, A. Moisio, T. Ruotsalainen, P. Toukkari DIGITAL DIVIDE AS A CATALYST TO ECONOMIC EXCLUSION: REMOTE LEARNING	2403
DURING COVID-19 PANDEMIC S. Chomunorwa, V. Mugobo	
LITERARY HERITAGE AND DIGITAL ARCHIVES N. Tomova	2404
BARRIERS AND THEIR CATEGORIES IN THE EDUCATION OF TEACHERS, MANAGERS AND SPECIALISTS R. Rak, D. Kopencová, V. Šulc, P. Chriasteľ	2411
STUDENT PERCEPTIONS OF AN ENGINEERING COURSE CO-TAUGHT BETWEEN AN ENGLISH AND ENGINEERING INSTRUCTOR AT AN ENGLISH MEDIUM INSTITUTION UNIVERSITY N. Ayish	2419
APPLICATION OF A VIRTUAL FACTORY FOR LEARNING GRAFCET WITH PLC O. Trull-Dominguez, A. Peiró-Signes, C. Gómez-Palacios, J.A. Cabrero	2420
LEARNING TO SHARE SCIENTIFIC RESULTS ONLINE: THE INTERNATIONAL ONLINE SYMPOSIUM OF YOUNG OPTOMETRISTS (SIYO) A. Gené-Sampedro, M.J. Luque, M.A. Díez-Ajenjo, M.C. García-Domene, J.J. Esteve, I. Bueno, F. Sañudo, R.M. Hernández	2425
SENSORY-INTEGRATED TRANSITIONAL APPROACH TO REINFORCING RETENTION (STARR) COLLABORATION: A PILOT PROGRAM L. Starr, N. Pardee, A. Leslie	2430
THE IMPLEMENTATION OF GAMIFICATION SYSTEMS: A CRITICAL PERSPECTIVE T. Spieß, S. Schlögl, C. Ploder, T. Schuler	2436
A MOODLE PLUGIN TO PROMOTE STUDENTS' INTERACTIONS IN VYGOTSKIAN COMPUTER-BASED LEARNING ACTIVITIES U. Dello Iacono, T. Amorese, M. Cuciniello, D. Durand	2441
THE CONCEPT OF EDUCATION MANAGERS IN THE AREA OF INTEGRATED RISK MANAGEMENT M. Hudakova, P. Lahuta, P. Kardoš	2447
ACHIEVED KNOWLEDGE OF PREPUBESCENTS ABOUT PUBERTY IN HUNGARY M. Bartošová, M. Rašková, A. Vavrdová	2455
TRAINING OF THE MODIFIED FMEA METHOD FOR MANAGERS IN THE INDUSTRY M. Hudakova, P. Kardoš, P. Lahuta	2456
CONSTRUCTIVIST TEACHING OF MATHEMATICS USING A VISUAL APPROACH M. Kmetova	2464
AN ANALYTICAL DASHBOARD FOR THE COMPARISON OF UNIVERSITIES' ENTRY QUALIFICATIONS ON STUDENTS' ACADEMIC PERFORMANCE N. Paltalidis, Y. Tao	2470
BEST PRACTICES IN THE IMPLEMENTATION OF VIRTUAL LABORATORIES IN ONLINE EDUCATION: A CASE STUDY OF THE SCHOOL OF ENGINEERING AND TECHNOLOGY AT UNIVERSIDAD INTERNACIONAL DE LA RIOJA M. Fraile Narvaez, N. McGowan	2479
THE PRICE OF REGIONS AND THE IMPORTANCE OF THEIR CITIES M. Steiner	2486
HAS THE COVID-19 PANDEMIC ALTERED PRIMARY SCHOOL CHILDREN'S PERCEPTION OF "HEALTH" AND "ILLNESS"? A PRELIMINARY STUDY M.T. Gómez-Sagasti, O. Barrutia	2487

PREFERENCES OF OLDER ADULTS FOR DESIGNING E-LEARNING CONTENT TO USE THE ELECTRONIC HEALTH RECORD WITH CONFIDENCE L. Perotti, A. Heimann-Steinert	2497
INSTAGRAF: A NEW TOOL MIXING INFOGRAPHICS AND SOCIAL MEDIA NETWORKS TO STIMULATE GROUP WORK AND VISUAL LEARNING L.M. Bermejo, A. Aparicio, E. Rodríguez-Rodríguez, B. López-Plaza, A. Peral-Suárez, M.D. Salas-	2508
González, A.M. Lorenzo-Mora, I. Martín-De la Torre, A. Amores, L.G. González-Rodríguez, V. Loria- Kohen, M.C. Lozano, R.M. Ortega, A.M. Lopez-Sobaler	
GLOBAL ENGLISH ACQUISITION COURSE: SUPPORTING ENGLISH LANGUAGE ACQUISITION THROUGH PROJECT BASED LEARNING WITH A FOCUS ON E-GAMING M. Grothman	2515
EMERGING WEARABLE TECHNOLOGIES, MINDFULNESS AND EMOTIONAL INTELLIGENCE LEARNING FOR A MORE HOLISTIC ENGINEERING LEADERSHIP DEVELOPMENT B. Zoghi, M. Norton, L.A. Fierro	2518
INVESTIGATION OF THE VOCATIONAL REHABILITATION OF THE GRADUATES OF PUBLIC VOCATIONAL SCHOOLS IN GREECE P. Anagnostou, N. Nikolova	2519
OSCE IN VIRTUAL REALITY AS A PROPOSAL FOR INNOVATIVE EDUCATIONAL PRACTICE J. Libório, I. Gonçalves, C. Santos, B. Pereira, D. Nascimento, W. Santos, S. Passos, J. Sachett	2526
EXAMINING THE RELATIONSHIP BETWEEN GLOBALISATION AND COMMUNICATION AND ITS EFFECTS ON BILINGUAL EDUCATION C. Freitas, V. Gonçalves, P. Krassner	2531
OPPORTUNITIES FOR GAINING PRACTICAL EXPERIENCE AND IMPROVING PRACTICAL SKILLS OF STUDENTS OF ARCHIVAL AND DOCUMENTARY STUDIES IN THE CONTEXT OF MODERN KNOWLEDGE SOCIETY S. Eftimova	2538
ATTITUDES TOWARDS PROFESSIONAL REALIZATION OF STUDENTS MAJORING IN ARCHIVAL AND DOCUMENTARY STUDIES AFTER GRADUATION S. Eftimova	2544
COMMUNICATION PROBLEM WITHIN DISTANCE LEARNING G. Varakina, N. Yakushkina, M. Yudin, O. Kuprina, A. Solyankin	2550
ONLINE ACTIVITIES DURING PANDEMIC COVID-19 AND THEIR FITNESS TO THE AIM OF VETERINARY MEDICAL EDUCATION G. Pavel, A.C. Grădinaru	2560
THE LEARNING SCHOOLS PROJECT: PROMOTING CHANGE, INNOVATION AND LEADERSHIP IN SCHOOLS M.L. Sierra, L.A. Bruton, A.C. Romea, M. Aguareles	2565
DEEP LEARNING IN INFORMATICS BY APPLYING ACTIVITIES OF THE DASH ROBOT K. Czakóová, J. Udvaros	2573
STRATEGIES FOR EFFECTIVE SUPPLEMENTAL INSTRUCTION TO ENHANCE ACADEMIC PERFORMANCE OF FIRST YEAR ACCOUNTING STUDENTS M. Mokhampanyane	2578
FEATURES OF THE DIGITALIZATION OF THE EDUCATIONAL SPHERE: STATE OF THE ISSUE O. Sheredekina, A. Pyatnitsky, N. Dmitrieva, O. Mikhailova	2579
NEUROCOGNITIVE AND EMOTIONAL PARAMETERS IN LEARNING AND EDUCATIONAL PROCESS E. Gkintoni, P.M. Meintani, I. Dimakos	2588
A FIRST ANALYSIS OF THE EXPERIENCE AND EDUCATIONAL IMPACT OF THE INTERNATIONAL COOPERATION AT THE FACULTAT D'INFORMÀTICA DE BARCELONA M.T. Abad-Soriano, N. Castell-Ariño, J.A. Pastor-Collado	2600
RESILIENCE AND DEMOGRAPHIC CHARACTERISTICS OF GREEK FAMILIES WITH MEMBERS WITH AND WITHOUT SPECIAL EDUCATIONAL NEEDS AND DISABILITIES DURING COVID-19 PANDEMIC A. Tsibidaki	2610
CONSEQUENCES OF THE COVID-19 PANDEMIC ON GREEK STUDENTS' MENTAL HEALTH: QUALITY OF LIFE AND TRAUMA STRESSFUL EVENTS CORRELATION E. Gkintoni, I. Koutsopoulou, H. Antonopoulou, P. Christopoulos	2615

WAYS OF COPING IN FAMILIES RAISING A CHILD WITH CEREBRAL PALSY IN GREECE AND ITALY A. Tsibidaki	2622
MORAL JUDGMENT OF SLOVAK TEACHER STUDENTS – APPEALING FOR A REDESIGN OF UNDERGRADUATE TRAINING M. Kosturková	2627
DIGITAL CAPITAL OF MEXICAN TEACHERS DURING THE CONTINGENCY: SURVIVAL AND INEQUALITY P. Baptista-Lucio, M.C. González-Videgaray, C.A. Covarrubias-Santiago, L. Sánchez-Rojas	2632
THE IMPACT OF LANGUAGE GAMES AND ICT INCORPORATION ON MOROCCAN HIGH SCHOOL STUDENTS' CLASSROOM INTERACTION A. Mouaziz, I. El Byad, M. El Biadi, J. Moumni	2641
TEACHING GREEN CHEMISTRY IN ENGINEERING DEGREES: THE SUSTAINABLE APPROACH M. González, M.A. Andrés, F. Hernández, I. Dávila, P.L. de Hoyos, M.M. Antxustegi	2649
PERSONALIZED LEARNING TO IMPROVE SCHOOL CULTURE AND INCREASE SCHOOL RETENTION, A QUANTITATIVE STUDY A. Harrison-Surgeon	2653
ENGAGING NEW PROBLEM SOLVING TASK FOR CHILDREN V. Berg, M. McMahon, M. Garrett, S.L. Rogers	2660
THE EVALUATION OF THE ONLINE ACADEMIC TUTOR E. Aguilar Canseco, M.P. Enríquez Gómez, B.E. Grajales Briscón, M.E. Carmona Guzmán, A. López Saldiña	2667
IMPACT OF THE ONLINE SOCIAL SERVICE MODALITY ON THE LINKAGE WITH THE PRODUCTIVE SECTOR E. Aguilar Canseco, R. Orduña Hernández, M. Pérez Mugica, S. Gallegos Cázares, T.B. Quintero Bastos	2675
LEARNING OF CREATIVE ARTS IN THE ITINERARY OF WEBQUEST: AN INTERPRETATIVE STUDY	2685
S. Eneje, M. Odewumi STUDENT PERFORMANCE DURING DISTANCE LEARNING IN TIMES OF COVID19	2694
J. Hudáková, V. Papcunová ALL YOU CAN LEARN: INCREASING LEARNERS' DECISION-MAKING CAPACITY THROUGH SELECTIVE EDUCATION EXPERIENCES WITH HIGHLY VULNERABLE GROUPS AMONG THE FORCIBLY DISPLACED. PILOT EXPERIENCE IN PALERMO, ITALY L. Ardizzone, G. Barbieri, J. Mazaj	2699
PROFESSIONAL PROBLEMS OF BEGINNING TEACHERS AND CONDITIONS OF THEIR ADAPTATION I. Červenková, Z. Sikorová, M. Václavík	2709
A REFLECTIVE APPROACH TO THE PROFESSIONAL TRAINING OF STUDENTS OF TEACHER TRAINING FOR CZECH LOWER SECONDARY SCHOOLS I. Červenková	2716
PERCEIVED PARENTING STYLE AND GENDER AS PREDICTORS OF ADOLESCENT RISK BEHAVIOR IN CONTEXT OF EDUCATION OF FUTURE TEACHERS M. Verešová	2717
DEVELOPING OF DOMESTIC WASTE AND RECYCLING THEMED EDUCATIONAL GAMES H. Altunbey, D. Çelikler	2727
FIGURING OUT THE NEW NORMAL IN TEACHING AND LEARNING: SHIFT OF STUDENTS' ATTITUDES AND EXPECTATIONS DUE TO THE PANDEMIC N. Dubauskienė, V. Kumpikaitė-Valiūnienė, J. Vasauskaitė, A. Daunorienė, J. Barynienė, V. Jakštienė, V. Malinauskienė	2734
PHYSICS EXPERIMENTS AND PEER-ASSESSMENT: AN HIGH-SCHOOL – UNIVERSITY PROJECT R. Mazzola, P. Gondoni, M. Bozzi, A. Scagliola, S. Pagnoni, M. Zani	2739
TEST DEVELOPMENT STUDY: 7TH GRADERS AWARENESS ON DOMESTIC WASTE AND RECYCLING H. Altunbey, D. Çelikler	2746
GETTING PEER-MATCHED BY STUDY INTEREST: STUDENTS' EXPECTATIONS AND INITIAL EXPERIENCES WITH A DIGITAL STUDY ASSISTANT F. Seufeli, M. Lübeke, K. Wannemacher	2752

TASKS FOR THE MATHEMATICAL LITERACY DEVELOPMENT IN PRIMARY PROSPECTIVE TEACHERS TRAINING R. Dofková, J. Wossala, S. Novotná	2758
TRAINING WHAT YOU CAN'T PERCEIVE A. Laus, E. Ciani, H. Handy	2764
ONLINE TEACHING AT A SELECTED UNIVERSITY IN THE CZECH REPUBLIC AND ITS TECHNOLOGICAL CLAIM M. Beranová, M. Navrátilová	2774
UNSUPERVISED DEEP IMAGE ENHANCEMENT FOR DETECTING MUSEUM EXHIBITS IN THE DARK K. Moriya, F. Kusunoki, S. Inagaki, H. Mizoguchi	2780
PEDAGOGICAL COMPETENCIES OF COACHES A. Alajbeg, M. Hraste, A. Mršić Zdilar	2784
A TEST OF WIKI IN HEI AS A LEARNING TOOL S. Eneje, M. Odewumi	2790
THE IMPACT OF COVID-19 ON THE MENTAL WELL-BEING OF FIRST-YEAR UNIVERSITY STUDENTS L. Vanderstraeten, E. Opdecam, P. Everaert	2797
EVOLUTION OF STUDENTS LEARNING APPROACH BETWEEN TWO DIFFERENT SUBJECTS IN CONSECUTIVE YEARS M. Leiva-Brondo, C. Esteras, A. Pérez-de-Castro	2806
ENHANCING KNOWLEDGE AND SKILLS IN DEALING WITH EMERGENCIES M. Luskova, L. Mariš	2814
EXPLORING THE GLOBAL PICTURE OF UNIVERSITIES – WHAT CAN WE LEARN USING GOOGLE TRENDS? J. Hernik, A. Minguez-Vera	2820
THE MASSIVE OPEN ONLINE COURSES OF THE HELLENIC OPEN UNIVERSITY: CONFIGURATION AND ANALYSIS OF SPECIFICATIONS FOR THE SELECTION OF THE MOST SUITABLE PLATFORM	2830
T. Kouvara, C. Karachristos, D. Karakatsoulis, T. Orfanoudakis, D. Sideris	
STRUCTURING THE CONTENT FOR DEVELOPING EDUCATORS' DIGITAL COMPETENCIES – BASED ON FRAMEWORKS DIGCOMPEDU AND DIGI.KOMPP A. Krebs	2837
A COMPARATIVE STUDY ON HOW SOCIAL ROBOTS SUPPORT LEARNERS' MOTIVATION AND LEARNING H.S. Yun, J. Chevalere, M. Karl, N. Pinkwart	2845
PRE-SERVICE TEACHING FROM AFAR: THE IMPACT OF COVID-19 ON CORE PRACTICES IN TEACHER EDUCATION STUDIES S. Zilbernagel, G. Dushnitzky, R. Hosblat, B. Bashan, J. Goldenberg	2851
ERASMUS+ TEACHING STAFF MOBILITY: ONLINE AND OFFLINE EXPERIENCE M. Golovushkina, H. Krekhtunova, O. Voyachek	2852
LEARNING ENGLISH REMOTELY: STUDENTS` VIEW M. Golovushkina, N. Dankova, N. Vidineeva	2858
PROJECT-BASED LEARNING IN THE DISCIPLINE "RADIO COMMUNICATION TECHNOLOGIES" I. Tsvetkova, A. Borodzhieva	2866
THE POLEMICAL DEBATE BETWEEN THE STEM APPROACH OR PURE MATHEMATICS IN 7TH GRADE IN SPAIN L. Moliner, G. Lorenzo-Valentin, F. Alegre	2874
VISUALIZATION OF EDUCATIONAL DATA MINED FROM E-LEARNING PLATFORMS: A COMPARATIVE EVALUATION OF TOOLS V. Siafis, M. Rangoussi	2875
WHAT'S WRONG WITH MATHEMATICS TEACHERS' PUBLIC ACCESS EXAMINATION SYSTEM IN SPAIN? EXAMINEES, EXAMINERS AND EXAMINATION TRAINERS' OPINIONS	2885
L. Moliner, G. Lorenzo-Valentin, F. Alegre	
COMPETENCES OF UNIVERSITY STUDENTS IN THE FIELD OF "INFECTION PREVENTION AND CONTROL FOR COVID-19 VIRUS": ARE OUR STUDENTS ABLE TO USE EFFICIENTLY THE PERSONAL PROTECTIVE EQUIPMENT? I. Koleya, R. Yoshinov, B. Yoshinov	2886
I NOIPOU N YOSHINOO B YOSHINOO	

THE IMPACT OF DIGITAL TECHNOLOGIES AND ONLINE LEARNING ON CONFLICT SITUATIONS IN FAMILY G. Atanasova, B. Ilieva	2894
PRE-COURSE PREDICTION OF OUTCOMES FOR CONVERSION MSC PROGRAMMING COURSES A. McGowan, P. Sage, J. Adhikari	2900
IMPROVING THE QUALITY OF UNIVERSITY STUDIES IN THE FIELD OF CRISIS MANAGEMENT AND RISK MANAGEMENT K. Buganová, J. Šimíčková	2909
HIGHER EDUCATION IN COVID-19 PANDEMIC IN DIFFERENT COUNTRIES L. Movchan, N. Komisarenko, E. Polishchuk, I. Chuchmii	2917
ASSESSMENT OF ALGORITHMIC THINKING OF SLOVAK AND HUNGARIAN SECONDARY SCHOOL STUDENTS: RESULTS OF A PILOT STUDY S. Gubo, L. Végh	2924
CONCEPTUALIZATION, DESIGN, PRODUCTION AND IMPLEMENTATION OF IMMERSIVE RESOURCES: WELCOME TO ATHENS EXPERIENCE AS EDUCATIONAL INNOVATION TO TRANSFORM THE TEACHING-LEARNING OF CITIZENSHIP AND DEMOCRACY G. Gándara, G. Rodríguez, P. Aldape	2934
VERBAL AND NON-VERBAL FORMS OF ARGUMENTATION AT KINDERGARTEN F. Arcidiacono, J. Convertini	2941
UNDERSTANDING OF MODERN PHYSICS CONCEPTS AT CROATIAN STATE MATURA P. Nikolaus, M. Dželalija	2947
EMPOWERING HEALTHCARE PROFESSIONALS THROUGH REMOTE DESIGN THINKING: SHARING EXPERIENCES FROM THE UNIVERSITY EMERGENCY REMOTE TEACHING TO RETHINK EFFICIENCY IN OPERATING ROOMS IN TIMES OF COVID-19 G. Victorino, R. Henriques	2955
A NETWORK APPROACH TO THE DEVELOPMENT OF UNIVERSITIES IN THE ERA OF DIGITALIZATION: THE EXPERIENCE OF RUSSIA G. Bannykh	2960
THE PROPOSAL OF TEACHING AND CURRICULUM PRIORITIES OF THE SUBJECT VIDEO SURVEILLANCE SYSTEMS DURING DISTANCE EDUCATION IN THE TIME OF COVID-19 M. Luskova, L. Mariš	2968
DO WE HAVE A MATCH? COPING WITH BUSINESS REQUIREMENTS IN VOCATIONAL TRAINING COURSES C. Amaral Santos, B. Benedicto, I. Souto, B. Barbosa, F. Costa, A. Melo, S. Filipe, G. Dias, C. Rodrigues	2975
DOCUMENTATION FOR THE STAFF TRAINING - STANDARDIZED STRUCTURE OF THE REGIONAL CRISIS STAFF L. Karda, M. Smetana	2983
PHYSICAL CHEMISTRY TOWARDS STRENGTHENING FUTURE CHEMISTS' AWARENESS OF SUSTAINABILITY: RESEARCH BASED LEARNING R. Sola-Llano, L. Gartzia-Rivero, A. Veloso, L. Ruiz-Rubio, L. Pérez-Álvarez, J. Bañuelos, J.L. Vilas-Vilela	2988
DICTIONARIES AND TEXTS ON CULTURAL HERITAGE PRESERVATION IN TRANSLATOR TRAINING PRACTICE L. Devel, N. Popova, N. Kirillova, V. Goncharova, M. Odinokaya	2995
FROM INTUITION TO PHILOSOPHIZING – USING VR GAMES FOR MORAL DILEMMA DISCOURSES IN PHILOSOPHICAL-ETHICAL LEARNING CONTEXTS M. Römer, P. Maisenhölder	3002
STUDENT'S POLYMER JOURNAL: ROLE-PLAY ACTIVITY TO IMPROVE THE TRANSVERSALS SKILLS ON OPTATIVE POLYMER CHEMISTRY COURSE L. Ruiz-Rubio, A. Veloso, R. Sola-Llano, L. Pérez-Álvarez, L. Gartzia-Rivero, J. Bañuelos, J.L. Vilas-Vilela	3010
DESIGN THINKING MODEL IN THE ACQUISITION OF THE CONTENT OF THE SUBJECT "DESIGN AND TECHNOLOGY" – EXAMPLE OF LATVIA A. Strode	3014
BASED ON THE DIGITAL AGE: THE PRACTICE AND EXPLORATION OF AI PERSONALIZED TEACHING Y.J. Li, L. Zhuo	3022

AN INNOVATIVE WAY OF TEACHING TECHNICAL SUBJECTS USING SIMULATION SOFTWARE	3027
L. Knapčíková, M. Trojanová, J. Husár, S. Hrehová	
A COLLABORATIVE EASSESSMENT TOOL TO DEVELOP TACTICAL UNDERSTANDING IN GAME TEACHING N. Suzuki, H. Ono, T. Fujimoto	3033
MATHEMATICS IN VOCATIONAL EDUCATION AND TRAINING: A STRENGTH OR A WEAKNESS? C. Amaral Santos, I. Souto, B. Benedicto, B. Barbosa, S. Filipe, F. Costa, A. Melo, G. Paiva Dias, C.	3040
Rodrigues	
ADULT EDUCATION TEACHER'S PERCEPTION OF GAMIFICATION IMPLEMENTED IN DISTANCE EDUCATION F.G. Gunnars, A.P. Palmquist, M. Sundgren	3049
DEVELOPING SOFT SKILLS AND PROFESSIONAL SKILLS M.J. Myers	3057
ETHICAL AND PRIVACY ISSUES OF LEARNING ANALYTICS IN HIGHER EDUCATION B. Šlibar, L. Zlatić, N. Begičević Ređep	3064
ENGLISH LANGUAGE TEACHING THROUGH THE PRISM OF THE GLOBAL PANDEMIC T. Genova	3075
ASSESSMENT USING ARTIFICIAL INTELLIGENCE IN PHYSICAL EDUCATION N. Suzuki	3079
INNOVATIONS FOR BETTER ON-LINE LEARNING M.J. Myers	3084
STUDENTS' COLLABORATIVE ACTIVITY ALGORITHMIZATION IN LEARNING FOREIGN LANGUAGE AT TECHNICAL UNIVERSITY L. Devel, N. Popova, M. Odinokaya, A. Kuzmina, D. Gromova	3090
EXEMPLARY LEADERSHIP IN PRIMARY AND SECONDARY SCHOOL TEACHERS IN SLOVAKIA IN RELATION TO THE GENDER AND MARITAL STATUS M. Strenáčiková, Z. Vašašová, B. Žitniaková Gurgová	3096
EPISTEMIC NETWORK ANALYSIS OF STUDENTS' CHAT DATA ON A COLLABORATIVE SOLVING OF OBJECT-ORIENTED PROGRAMMING ASSIGNMENT A. Christou, M. Satratzemi	3103
PREDICTING APPLICANT ACADEMIC PERFORMANCE FOR SHORTLIST AND OFFER DECISIONS P. Rao	3113
AN ELEMENTARY SCHOOL IN INDIA FROM THE GROUND UP: LEARNING THE INDIAN WAY D. Cline	3121
COOPERATIVE LEARNING AND INCLUSIVE DIDACTICS: A PILOT STUDY A. Magnanini, G. Morelli	3122
ASSESSING THE IMPACT OF A FORMATIVE EXAMINATION PREPARATION COURSE IN THIRD YEAR MEDICAL STUDENTS BY ANALYSING ITS EFFECT ON SELF-RATED CONFIDENCE SCORES	3129
E. Murphy, I. Jaly, D. Thanki, E. Hutchison, A. Hawash	
PODCAST AS A VIABLE ALTERNATIVE FOR PAIN EDUCATION: A PILOT STUDY A. Mansdorf, M. Padilla, S. Richeimer	3134
USER EXPERIENCE DESIGN EDUCATION - THE DEVELOPMENT AND EFFICACY OF A COLLABORATIVE, MULTIDISCIPLINARY, PROBLEM BASED LEARNING MINOR PROGRAM J. Morris	3135
AUGMENTED REALITY FOR DISTANCE EDUCATION: A SYSTEMATIC LITERATURE REVIEW F. Gutiérrez, C. de Armas, G. Bressan, R. Tori, S. Kofuji	3142
	61
THE CONTRIBUTION OF THE ERASMUS+ PROGRAMME TO UNIVERSIDADE PORTUCALENSE - A CASE STUDY M.M. Silva, D. Alves, D. Castilhos, P. Gandra	3152
TEACHING AND LEARNING CASE STUDY ON SOCIAL MEDIA ANALYTICS FOR SMALL AND MEDIUM-SIZED ENTERPRISES M. Willetts, A.S. Atkins, C. Stanier	3158

PEDAGOGICAL STUDENT PROJECT COLLABORATION ON THE DIFFERENCES BETWEEN E-BUSINESS SERVICES FROM AN EASTERN AND WESTERN PERSPECTIVE M. Aho	3168
MARTES SOLIDARIOS: COOPERATION AT THE UNIVERSITY J. de Mingo Martín, R. Núñez de la Fuente, B. González Rodrigo, N. Merayo Cuevas, J.A. Mancebo Piqueras	3174
QUALITY COMPONENTS IN ONLINE LEARNING DURING COVID-19 IN TEACHER TRAINING INSTITUTIONS - THE STUDENT'S PERSPECTIVE L. Eyal, N. Elyakim, Y. Navon	3180
BIAS AND NOISE AS SEVERE PROBLEMS OF ASSESSMENT AND TEACHER TRAINING F. Brosow	3185
INCREASING STUDENTS' MOTIVATION IN THE COURSE "DIGITAL SIGNAL PROCESSING" USING ACTIVE LEARNING A. Borodzhieva, I. Tsvetkova	3192
BUILDING BRIDGES BETWEEN THE CLASSROOM AND REALITY R. Núñez de la Fuente, J.A. Mancebo Piqueras, B. González Rodrigo, N. Merayo Cuevas	3202
MULTICULTURAL SENSITIVITY – HOPE DURING COVID-19 I. Elisha-Primo, S. Sandler, N. Tauber-Levy, A. Lyubman, Z. Burstein	3208
DIGITAL TRANSFORMATION IN TEACHERS' EDUCATION J. Dzerviniks	3214
DEVELOPING THE PRE-SERVICE FOREIGN LANGUAGE TEACHER'S PROFESSIONAL CAPABILITIES DURING THE COVID-19 UNCERTAIN PANDEMIC PERIOD E. Zakirova, E. Kulikova, I. Belyaeva	3222
UNDERSTANDING THE INDIVIDUAL STUDENT JOURNEY TO GENERATE STUDENT INSIGHTS WHICH INFORM THE ONGOING ENHANCEMENT OF THE PERSONALISATION PROJECT R. Welton, A. Vickerstaff	3226
INNOVATION WITH AUGMENTED REALITY TO ERASMUS STUDENTS V. Gonçalves	3232
DEVELOPMENT OF PERSONALIZED E-LEARNING PROGRAMS BASED ON THE PRIOR KNOWLEDGE OF THE LEARNERS G. Vassileva, I. Blagoev, V. Monov	3238
SELF-EVALUATION IN THE CONSTRUCTION OF THE EDUCATIONAL PROJECT TO IMPROVE THE QUALITY OF TEACHING IN THE AUTONOMOUS REGION OF MADEIRA G. Dória, S. Sá	3246
IMPROVING INDIVIDUAL ASSESSMENT IN COLLABORATIVE PROJECT-BASED INSTRUCTION: PROJECT KNOWLEDGE VALIDATION J. Gonzalez	3247
HOW PANDEMIC AND REMOTE LEARNING AFFECT STUDENTS' STUDY AND LIFE AT UNIVERSITY M. Taheri, D. Javeid	3253
INCLUSIVE EDUCATION IN RUSSIA: CURRENT SITUATION T. Ivanova, E. Kulikova	3262
REHABILITATION IN SARS-COV2: STRUCTURATION OF AN EDUCATIONAL MODULE AND EVALUATION OF STUDENTS' COMPETENCES AND SATISFACTION I. Koleva, B. Yoshinov, R. Yoshinov	3266
MACHINE LEARNING METHODOLOGIES IN THE FRAMEWORK OF A DOCTORAL THESIS IN THE FIELD OF GENOME-WIDE ASSOCIATION STUDIES D. Álvarez Gutiérrez, F. Sánchez Lasheras, V. Martín Sánchez	3275
PERCEPTION OF HUNGARIAN AS A FOREIGN LANGUAGE AMONG LANGUAGE LEARNERS AT THE UNIVERSITY OF NITRA K. Presinszky	3280
EXAMINATION OF BILINGUAL PHENOMENA IN HUNGARIAN DIALECTAL AUDIOBOOKS IN SLOVAKIA K. Presinszky	3286
USE OF GOOLE CLASSROOM IN REMOTE LEARNING OF PHYSICS AND CHEMISTRY CONTENTS: A CASE STUDY DURING COVID-19 ISOLATION IN 2021 C. Costa, P. Catarino, J. Bernardino Lopes	3293

INVOLVEMENT OF PARENTS IN SUPPORTING EXTRACURRICULAR EDUCATIONAL ACTIVITIES WITH YOUNG PEOPLE A. Fantana, N. Nicoleta Alina	3300
INCLUSION AND MAINSTREAMING AS A CONDUIT FOR BUILDING EFFECTIVE EARLY CHILDHOOD CARE AND EDUCATION (ECCE) PARTNERSHIPS N. Tyilo	3306
A STRUCTURED SET OF PROCEDURES FOR LEARNING SYSTEM DYNAMICS MODEL CONCEPTUALIZATION SKILLS M. Schaffernicht	3313
INFLUENCE OF ONLINE LEARNING ON PUPILS' MOTIVATION FOR STUDYING MATHEMATICS K. Niedialkova, S. Skvortsova, T. Korostiyanetc, A. Tumbrukaki	3321
COVID-19 PANDEMIC: THE IMPORTANCE OF PSYCHOLOGICAL SUPPORT TO STUDENTS IN HIGHER EDUCATION A. Noronha-Sousa, P. Silva, S. Sá	3330
ASPECT OF COLLABORATION IN THE DESIGN STUDENTS' INVOLVEMENT IN TEXTILE LASER PROCESSING RESEARCH S. Mezinska	3331
VOCATIONAL TRAINING IN CNC TECHNOLOGIES P. Kuna, A. Hašková, J. Haller	3340
THE ACTIVITY OF LITERARY MUSEUMS IN THE DIGITAL ENVIRONMENT IN THE CONTEXT OF E-EDUCATION M. Burima, I. Kupšāne	3347
GEOGRAPHY FIELD LEARNING: FOUR LEVELS OF GEODATA CAPTURING V. Vozenilek	3352
INSTRUCTOR PERCEPTIONS OF LEARNER WRITING AND ENGAGEMENT IN ONLINE DISCUSSION FORUM VS WEB ANNOTATION R.M. Avadhanam, R. Kreml	3362
COMPARISON OF TERTIARY STUDENTS' HOME SCHOOLING DURING THE TWO CORONAVIRUS WAVES M. Šebo, A. Hašková	3363
PRACTICE GONE VIRTUAL: RETHINKING TEACHING AND LEARNING COMPUTER ASSISTED TRANSLATION DURING A PANDEMIC C. Tavares, A. Albuquerque	3371
EXPLORING OPTIMAL DIALOGUE INTERACTIONS TOWARDS ENHANCING CRITICAL THINKING IN NETWORKED LEARNING: FINDINGS FROM A HIGHER EDUCATION ENVIRONMENT I. McGowan	3380
E-PORTFOLIO: TECHNOLOGY TO SUPPORT ACTIVE PEDAGOGIES AND KNOWLEDGE MANAGEMENT IN HIGHER EDUCATION C.I. Peña-de-Carrillo, I.C. Barragán-Arias	3391
OUTREACH WITHOUT IN-PERSON: PIVOTING STEM-BASED OUTREACH PROGRAMMING TO UNDERREPRESENTED COMMUNITIES DURING THE COVID-19 PANDEMIC V. Hui, T. Boart, M. Fletteris-dis, N. Loure, Truler	3400
V. Hui, T. Peart, M. Elefteriadis, N. Lopez Taylor VIDEO GAME FUTURES PLAYING YESTERDAY AND DESIGNING TOMORROW	3408
V. Hui, Y. Wong, A. Huang, H. Curteanu BUILDING BLOCKS TO BUILDING FUTURES M. Al-Saqqar, S. Haider, V. Hui, H. Kauremszky, R. Sidhar	3418
SMALL TALK: A BIG CHALLENGE FOR CHINESE GRADUATE STUDENTS IN CANADA H. Xu	3428
INFORMATION TECHNOLOGY PROMOTES THE DEVELOPMENT OF TEACHERS' LIFELONG EDUCATION Y.J. Li	3437
WHAT MAKES AN EFFECTIVE LEARNER-CENTERED EMI CLASSROOM IN HIGHER EDUCATION? A QUALITATIVE SYSTEMATIC EXAMINATION OF STUDENTS' PERCEPTIONS USING THEMATIC SYNTHESIS APPROACH M. Ismailov, Y. Yamamoto	3438
DON'T STOP QUESTIONING: DEVELOPING CURIOSITY IN ENGINEERING STUDENTS IN CHINA THOUGH PROJECT BASED LEARNING T. Rakedzon, C. Van Horne	3447

ADVANTAGES OF HAVING A SECOND LANGUAGE LIVING ON THE MEXICO-USA BORDER	3453
M. Rios Gracia, F. Ortiz-Rodriguez, M. Sahagun	
PYTHON, STACK AND MOODLE: PROGRAMMING AND PRODUCTION OF THOUSANDS OF MATH EXAM EXERCISES WITH SPECIFIC STEP-BY-STEP FEEDBACK G. Pulido-Rodríguez, R. López-Bautista, I. Gutiérrez-Rodríguez	3454
EDUCATIONAL BLOG OF THE TEACHER AS AN EFFECTIVE TOOL IN DISTANCE EDUCATION OF UNIVERSITY STUDENTS OF FOREIGN LANGUAGES L. Naumenko, E. Chelpanova, E. Shmidt, M. Bolina, V. Novikova	3463
TRANSFORMING UNDERGRADUATE EDUCATION IN THE SCIENCES AND HUMANITIES WITH VIRTUAL REALITY: THE CASE AT MOREHOUSE COLLEGE (ATLANTA, GA, USA) T. Clark, O. Hamilton, M. Morris, E. Vereen	3467
A PROPOSED DEVELOPMENT AND VALIDATION OF TNLC-PBL CARTOON CONCEPT FOR TEACHING HISTORY MODULE M.N. Md Zabit, T.Z. Zachariah Omar, M.T. Borhan, F. Othman, A. Ariffin	3468
UNDERSTANDING AND DEVELOPING DIGITAL TEACHING-LEARNING SCENARIOS AT UNIVERSITIES AS VALUE PROPOSITIONS M. Baumgart, A. Schneider	3475
CONTEMPORARY UNIVERSITY EDUCATIONAL APPROACHES IN THE OPEN SOURCE INFORMATION ANALYSIS AS A RESEARCH METHOD FOR STUDYING THE "NEW" FORMS OF WAR S. Denchev, R. Yotova, S. Yordanova	3481
EDUCATIONAL ACTIVITIES FOR CHILDREN OF MOTHERS AS SHELTER USERS IN THE CZECH REPUBLIC Z. Nováková, D. Pitnerová, P. Hanáková	3486
MINING STUDENT'S SATISFACTION TOWARDS INNOVATIVE METHODS FOR TEACHING PHYSICAL EDUCATION ONLINE DURING THE COVID-19 PANDEMIC A.A. Haisan, E.F. Grosu	3494
DEFINING AND UNDERSTANDING DECOLONISATION IN THE CONTEXT OF THE 14 TO 18 CURRICULUM IN ENGLAND J. Greatorex, V. Coleman	3504
PROBLEMS OF PEDAGOGICAL PRACTICE: DISINFORMATION IN MEDIA AND CREDIBILITY FACTORS IN A GROUP OF HIGH SCHOOL STUDENTS IN SLOVAKIA H. Tkáčová, M. Pavlíková, P. Maturkanič, A. Kobylarek	3514
TAKING CARE OF THE OTHER, TAKING CARE OF THE SELF IN THE PHARMACY PROFESSION: AN INTERCULTURAL AWARENESS TRAINING PROGRAMME IN CYPRUS E. Stamatogianni	3523
MATLAB - A TOOL FOR LEARNING STUDENTS IN THE FIELD OF ANALYSIS OF DATA M. Trojanová, S. Hrehová, L. Knapčíková, J. Husár	3524
INFORMATION QUALITY ASSESSMENT: A LITERATURE REVIEW K. Leftheriotis, A. Triantafyllidis, G. Vranopoulos	3533
THE HEALING BOOKS - THROUGH THE EYES OF THE WRITER P. Mukanova, S. Eftimova	3539
TEACHING INFORMATICS IN UPPER SECONDARY SCHOOL - PREPARING STUDENTS FOR THE FUTURE K. Salum, P. Luik, M. Lepp, M. Laanpere	3544
THE PLACE OF THE LIBRARY IN A PERIOD OF CRISIS: THE EXPERIENCE OF REGIONAL LIBRARIES IN BULGARIA DURING A PANDEMIC P. Mukanova, S. Eftimova	3554
THE INFOGRAPHIC LANGUAGE, ADAPTED TO UNIVERSITY TEACHING, AS A PEDAGOGICAL TOOL	3561
M.A. Carabal-Montagud, M. de-Miguel-Molina, V. Santamarina-Campos, J.M. Taroncher-Ballestero	
INTERNATIONAL PROJECTS AS THE MAJOR FACTOR IN THE DEVELOPMENT OF INTERCULTURAL COMMUNICATION COMPETENCE N. Popova, O. Labenko, L. Artemova, N. Chorna	3568
EXPERIENCING FLIPPED CLASSROOM METHODOLOGY IN GRAPHIC ENGINEERING TEACHING	3574
R. Plumed, N. Jarque-Bou, A. Roda-Sales, M.J. Agost, V. Gracia-Ibáñez	

HOMOGENEITY - A MECHANISM RESPONSIBLE FOR STUDENTS' CONFIDENCE IN DISINFORMATION IN THE SOCIAL MEDIA ENVIRONMENT H. Tkáčová, M. Pavlíková, P. Maturkanič, A. Kobylarek	3583
WORK ENGAGEMENT OF PRIMARY SCHOOL TEACHERS IN THE CONTEXT OF SELF- DETERMINATION THEORY V. Očenášek, K. Wolfová, Z. Slováčková	3591
ACADEMIC EFFORTS TO SUPPORT DIGITALIZATION AND IMPLEMENTATION OF CONSTRUCTION 4.0 IN THE CONSTRUCTION SECTOR IN SLOVAKIA Z. Struková, A. Tažiková, J. Čabala	3600
POSSIBILITY OF USING AUGMENTED REALITY IN TEACHING APPLICATION SOFTWARE S. Hrehová, M. Trojanová, J. Husár, L. Knapčíková	3608
ANALYSIS OF EXPERIENCES OF COLLEGIAL COOPERATION PROMOTING TEACHERS' PERSONAL PROFESSIONAL DEVELOPMENT N. Kaunickienė, R. Bubnys	3613
DISTANCE LEARNING OF TECHNOLOGICAL AND ECONOMIC SUBJECTS AT THE FACULTY OF CIVIL ENGINEERING IN KOŠICE A. Tažiková, Z. Struková, J. Čabala	3621
THE INTELLIGENCE CORPUS, AN ANNOTATED CORPUS OF DEFINITIONS OF INTELLIGENCE: ANNOTATION, GUIDELINES, AND STUDENT RESEARCH PROJECTS D. Monett, L. Hoge, L. Haase, L. Schwarz, M. Normann, L. Scheibe	3626
MANIFESTATION OF REFLECTIVE PRACTICE IN THE GENERAL EDUCATION SCHOOL AS A LEARNING ORGANISATION R. Vasilevičienė, R. Bubnys	3635
THE APPLICATION FREQUENCY OF STRATEGIES OF SYSTEMATIZATION BY FUTURE TEACHERS INTO THE EDUCATIONAL PROCESS DURING PEDAGOGICAL PRACTICE N. Kozárová, D. Gunišová	3641
TAXONOMY OF TECHNOLOGY-BASED SUPPORT FOR ACCELERATED LEARNING OF SCHOOL MATH A. Cunska	3647
DIGITIZING THE HERITAGE OF THE ORIENT. ACHIEVEMENTS AND PERSPECTIVES TO THE DIGITIZATION OF THE OTTOMAN ARCHIVES IN SOFIA H. Atanasov	3657
DIGITIZATION AND FALSIFICATION. DIGITIZATION OF THE ARCHIVAL HERITAGE OF NATIONAL HEROES – SOME OBSERVATIONS AND CONCERNS FROM BULGARIA H. Atanasov	3665
FOLK RIDDLES IN TEACHING ENGLISH AT SCHOOL: IMPROVING COMMUNICATIVE COMPETENCE IN THE CONDITIONS OF DISTANCE LEARNING IN RUSSIA	3671
A. Karimova, O. Khasanova, D. Giliazova IMPLEMENTATION OF VIRTUAL REALITY INTO THE PROCESS OF EDUCATION IN CONSTRUCTION J. Čabala, Z. Struková, A. Tažiková	3676
SUCCESSFUL CASES AND LEARNED LESSON AFTER TWO COURSES USING PBL+ FOR PRACTICAL TRAINING OF ENGINEERING STUDENTS B. Urbano, X. Gomez, M.E. Sánchez, R. Mateos, C. Fernández, E.J. Martínez, O. Martínez-Morán, A. Morán, F. Gonzalez-Andres	3681
VOLUNTARY MUNICIPALITY FIRE BRIGADE UNIT MEMBERS' EDUCATION AND TRAINING IN THE CZECH REPUBLIC AS A FORM OF VOCATIONAL TRAINING S. Kavan, Z. Freitinger-Skalická	3688
CHALLENGES FOUND IN TEACHING ACTIVITIES DURING COURSES 2019-2021: ADAPTING LEARNING SYSTEMS TO COVID-19 PANDEMIC SCENARIO D.A. Carrillo-Peña, N. Ortiz, B. Urbano, F. Gonzalez-Andres, X. Gómez	3695
CO-TEACHING IN PRIMARY SCHOOL WITH STEM METHODOLOGY A. Goltsiou, F. Papazis, I. Kapsali	3701
TRANSDISCIPLINARITY OF VOCATIONAL EDUCATION IN THE CONTEXT OF STEM- TEACHING OF PHYSICS O. Kuzmenko, M. Rostoka, Y. Topolnik, P. Vasyuchenko	3711
DRIVING DIGITAL TRANSFORMATION IN REGIONS – CREATIVE TAKE HOME SCENARIOS FROM 4.0-PLAYERS IN THE NUREMBERG METROPOLITAN REGION (CASE STUDY) N.W. Kaiser	3722

RESEARCH. THE FACULTY OF A COURSE INTERTWINING TEACHING, LEARNING, AND RESEARCH. THE FACULTY DEVELOPMENT PROGRAM "A JUMP INTO QUALITY" L. Mortari, A. Bevilacqua, R. Silva	3729
EXPANDING PEER MENTORING OFFERINGS DURING COVID-19 TO AID STUDENT RETENTION AND ENHANCE EMPLOYABILITY C. O'Donnell, B. Murphy, B. Hunter, A. Toye	3739
THEY UNDERSTAND WHAT IT TAKES: TEACHER AGENCY IN UNIVERSITIES M. Kusters	3745
EXPERIENCE ON THE IMPLEMENTATION OF RUBRIC-BASED ASSESSMENT IN HIGHER EDUCATION A. Domínguez-Martín, M. Gómez-Guzman, J. Díaz-Castro, J. Moreno-Fernández, M. Sánchez-Santos, M. López-Frías, M.J.M. Alférez, M. López-Viota, J. Valverde-Pozo, A. Soriano-Lerma, M. García-Burgos, M.J. Sáez, M.E. García-Rubiño, I. López Aliaga	3746
THE ROLE OF SCHOOL COOPERATIVES IN INCREASING STUDENTS' ENTREPRENEURIAL SKILLS TO PREVENT EARLY SCHOOL LEAVING. A MAPPING OF THE EDUCATORS' MENTAL REPRESENTATIONS C. Girelli, A. Bevilacqua, M. Micheletti, F. Covolan, G. Mion	3754
PROJECT-BASED LEARNING APPLIED IN THE PANDEMIC SCENARIO. CASE STUDY: FLUID-MECHANICAL ENGINEERING M. Pérez-Sánchez, P.A. López-Jiménez, R. Sanchis	3764
THE RESEARCH AND STUDIES ON GOVERNMENT FINANCE IN THE YEAR OF PANDEMICS - THE CASE OF LITHUANIA G. Dubauskas	3770
HABIT DYNAMICS DURING THE COVID-19 PANDEMIC: THE CASE OF PHYSICAL EXERCISES A.A. Haisan, E.F. Grosu	3776
INTRODUCTION TO THE PROBLEMATICS OF BULLYING, CYBERBULLYING AND CYBER-AGGRESSION - ANALYSIS OF SELECTED METHODS OF PREVENTION AND INTERVENTION E. Zovinec, B. Sender	3783
IMPACT OF MEDIA CONSUMPTION HABITS ON ACADEMIC PERFORMANCE J.C. Del Ama, M. Mealy, Y. Kim	3795
DIGITAL ART THERAPY AS AN EFFECTIVE FORM OF PREVENTION OF CYBERBULLYING DURING DISTANCE LEARNING B. Sender	3803
MUSEUMS FOR ALL: STUDENTS WITH INTELLECTUAL DISABILITY AND ACCESSIBLE INFORMATION G. Paoletti, E. Bortolotti	3807
THE EXPERIENCE OF IMPLEMENTING PROFESSIONAL SUPPORT FOR GIFTED CHILDREN ON THE BASIS OF REGIONAL INNOVATIVE EDUCATIONAL CENTERS OF THE RUSSIAN FEDERATION V. Kudinova, O. Kudinova, N. Kondratenko, S. Shashkova, A. Zshabrov	3813
BULLYING AND VIOLENCE PREVENTION AMONG PEERS AND FRIENDSHIP AS A PROTECTIVE FACTOR D. Angelova, V. Angelova, N. Glushkova	3818
CROSS-BORDER MANAGEMENT OF DIGITAL SAFETY AND DIGITAL COMPETENCES IN HUNGARY AND IN SLOVAKIA DURING COVID-19 L. Bott Domonkos, R. Pawera	3825
AUTOMATING THE ASSESSMENT AND REPORTING OF LABORATORY BASED LEARNING OUTCOMES N. Palmer	3832
THE IMPACT OF FINANCIAL LITERACY ON UNDERGRADUATES' ENTREPRENEURIAL INTENTION A. Molina-García, M.J. Martínez-Romero, R. Martínez-Alonso, J. Diéguez-Soto	3841
DIGITAL HUMANITIES AS A WAY OF TEACHING DISCIPLINES OF PHILOLOGICAL SERIES O. Kudinova, V. Kudinova, N. Kondratenko	3846
EDUCATIONAL ELECTRONIC PORTFOLIO AS A MECHANISM TO ASSESS STUDENTS' COMPETENCES AND PERSONAL PROFESSIONAL QUALITIES T. Shanoshnikova, A. Gerashchenko, T. Shahanova, K. Khoroshun, M. Romanova	3852

DIMENSIONS OF A MATURITY MODEL FOR INFORMATION SYSTEMS IN HIGHER EDUCATION INSTITUTIONS R.H. Pereira, J.V. Carvalho, Á. Rocha	3859
PROBLEMS OF THE E-LEARNING ON COMPUTER ENGINEERING COURSES IN THE CONTEXT OF COVID19 PANDEMY	3866
O. Tomov KNOWLEDGE AND SKILLS ACQUISITION INDEX AS AN INDICATOR OF STUDENTS' EDUCATIONAL LEVEL: A CASE OF STUDYING PHYSICS	3872
T. Shaposhnikova, A. Gerashchenko, V. Minenko, K. Khoroshun, M. Romanova PROFESSIONAL VOCABULARY AND DIDACTIC REFLECTIONS OF STUDENT	3878
TEACHERS IN THE ANALYSIS OF VIDEO GRAPHED TEACHING UNITS M. Delere, H. Höfer	
EXPLORING STUDENTS' MOTIVATION FOR CHOOSING HEALTHCARE DEGREE COURSES L. Messineo, L. Seta, M. Allegra	3886
MEDIA LITERACY FOR PRIMARY SCHOOL CHILDREN T. Fisenko, R. Segol, O. Baliun, O. Husak	3895
ACTIVE AND EXPERIMENTAL LEARNING IN STRUCTURAL ENGINEERING SUBJECTS: SIMULATION AND TESTING OF A STEEL BOX GIRDER A. Aragón, J.A. Martínez, R. Moradillo, M. Crespo, F. Cambronero, G. Aragón	3903
ROBOT PROGRAMMING VIA ARDUINO MICROCONTROLLER AND ACCESSORIES IN THE EDUCATIONAL PROCESS M. Pollak, J. Tkac, M. Kocisko	3911
ENVIRONMENTAL EDUCATION IN THE CHEMICAL ENGINEERING DEGREE: EXPLORING THE POTENTIAL OF BIOPLASTICS AND BIOCOMPOSITES F. Serra-Parareda, Q. Tarrés, M. Delgado-Aguilar, H. Oliver, M. Alcalà	3919
ANALYSIS OF EDUCATIONAL SITUATIONS IN MATHEMATICS EDUCATION M. Škultéty, R. Dofková, J. Suchánek	3925
MASTER'S IMPLEMENTATION THESES IN SOCIAL SCIENCES AND HUMANITIES. THE COMMERCIALIZATION OF LEARNING OUTCOMES AT POLISH UNIVERSITIES L. Hajduk	3931
CROSS-BORDER DOCTORAL TRAINING AND TRANSVERSAL COMPETENCES: AMONG ACADEMIA AND IN THE WORKPLACE M. Alcalà, M. Palma, M. Pérez-Cabaní, F. Julián, J. Tresserras, F.X. Espinach	3937
CONTEXT AND SIZE MATTERS: INTEGRATED AMBIENT LEARNING SPACES FROM MOBILE TO IMMERSIVE MEDIA M. Herczeg, A. Ohlei, T. Schumacher, L. Willer	3945
STRATEGIC LEARNING IN TIMES OF PANDEMIC: TRAINING PARENTS OF CHILDREN UNDERGOING CANCER TREATMENT IN NUTRITIONAL EDUCATION VIA SOCIAL NETWORKS	3956
A.P. Moraes Ventura, V. Messias Fechine Muniz, C. Pereira Nogueira, R. Dália Paulino, P. Vasconcelos Leitão Moreira, J. Aires Moreira, C.E. Barbosa de Lima, J. Moreira da Silva Neto, R. Moreira da Silva	
PSYCHO-PEDAGOGICAL PREVENTION OF UKRAINIAN STUDENTS ON COUNTERACTING THE COVID-19 PANDEMIC S. Grynyuk, A. Zasluzhena, S. Miroshnyk, A. Sabitova, H. Bilokon	3962
AMBIENT LEARNING SPACES: CONSTRUCTING TIMELINES THROUGH DISTRIBUTED COLLABORATIVE LEARNING M. Herczeg, A. Ohlei, T. Reins, T. Schumacher	3972
PHOTOPLETHYSMOGRAPHY AND DETERMINATION OF THE TRANSMITTANCE AND REFLECTANCE BY TRANSFER MATRIX J. Kúdelčík, P. Hockicko	3982
GAMIFICATION IN FOOD BIOCHEMISTRY TEACHING AT UFPB BRAZIL IN PANDEMIC A.P. Moraes Ventura, S. Araújo de Andrade, C.E. Barbosa de Lima, J. Moreira da Silva Neto, J. Aires	3990
Moreira, P. Vasconcelos Leitão Moreira, R. Dália Paulino, R. Moreira da Silva ELEMENTARY CRYPTOGRAPHY GAMES FOR PRIMARY SCHOOL STUDENTS THROUGH WIMS	3997
M. Cazzola, V. Grazian E-SERVICE-LEARNING: TRANSNATIONAL APPROACH TO THE TRANSFORMATIVE	4006
LEARNING EXPERIENCE N. Mikelic Preradovic, G. Dima, C. Albanesi	

USE OF CARDIAC COHERENCE AND RESPIRATORY INTERVENTION IN THE TRAINING OF MILITARY PROFESSIONALS R. Dont, T. Trnková, M. Polach	4012
DISCOURSE ANALYSIS OF NATIONAL PECULIARITIES OF JUDICIAL COMMUNICATION IN THE SUPREME COURT OF CANADA E. Dmitrieva	4018
MOODLE QUIZ AS A TOOL FOR DISTANCE EDUCATION J. Jánský, J. Jekl, V. Růžička	4026
ANALYSIS OF LEARNERS' ATTITUDES DURING ONLINE COURSES: DEMONSTRATION OF THE NOTION OF RESILIENCE AND STRUCTURAL APPROACHES ON THE ROLE OF THE PLATFORM FOR THE NOTION OF RESILIENCE S. Charraire-Fraoua, A. David, C. Bourret	4036
BACKGROUND AS FOREGROUND: FROM SUBTLE TECHNIQUES TO THE STRATEGY OF THE DISAPPEARANCE OF THE TEACHER IN THE POSTDIGITAL T. Assis	4044
TO ENHANCE INTERCULTURAL SENSITIVITY SKILLS BY INTERNATIONAL VIRTUAL MOBILITY LEARNING. THE TOTEMM PROJECT: AN INCLUSIVE VIRTUAL ERASMUS EXPERIENCE FOR STUDENT MIDWIVES A.M. Smit, M. Van Oost, S. Borelli, L. Walker, S. Konstantinidis, K. Coolin, A. Nespoli, S. Fumagali, S. Mets-Olja, A. Karema, H. Spiby	4052
THE EFFECTIVENESS OF INTEGRATING ELECTRONIC PORTFOLIOS INTO THE CURRICULUM: TRANSFORMATIVE LEARNING ABOUT ETHICS IN GENERAL EDUCATION CLASSROOMS AT SRINAKHARINWIROT UNIVERSITY, THAILAND R. Mebusaya, M. Nakazawa, T. Panichying	4054
QUICK AND EFFICIENT COURSE DESIGN WITH MAINTAINED PEDAGOGICAL QUALITY M. Eriksson	4064
COVID-19: EFFECTIVENESS EVALUATION NEW CONCEPT OF COMBINED LEARNING FOR OB/GYN RESIDENTS UNDER QUARANTINE RESTRICTIONS V. Artyomenko, K. Nitochko, Z. Chumak, M. Shapoval, A. Kozhukhar, L. Mnih, N. Nastradina	4071
THE BAREFOOT LECTURER - RECORDING LECTURES IN VIRTUAL REALITY M. Eriksson	4078
DEVELOPMENT OF A DIDACTIC TOOL FOR TEACHING AUTOMATION AND CONTROL THEORY BASED ON AN INDUSTRIAL TANK SYSTEM I. Valente de Bessa, M. Melo de Carvalho, G. Soprano Machado, R.L. Paiva de Medeiros, V. Ferreira de Lucena Jr	4089
DIGITAL TECHNOLOGIES FOR LEARNING OF CONFLICT PEDAGOGY: THE DEVELOPMENT OF UNIVERSITIES IN TIMES OF CRISIS N. Koshechko, O. Matvienko, K. Bakhtiyarova, N. Postoiuk	4095
TIME MANAGEMENT AND DAILY USAGE OF TIME AS A PREDICTOR OF FIRST SEMESTER GRADES M. Paales, K. Täht	4106
THE FUTURE OF HOTEL MANAGEMENT HIGHER EDUCATION: TRENDS AND EVOLUTION S. Demaeght de Montalay	4114
A CASE STUDY OF INFLUENCE OF AR TOOL FOR PRE-SCHOOL CHILDREN LEARNING CHINESE CHARACTERS X. Zhao, Y. Qiu, H.Y. Shi, S. Cai	4126
LEARNING-CENTRED APPROACHES AND THEIR IMPACT ON DEVELOPING ENGLISH FOR SPECIFIC ACADEMIC PURPOSES J. Bérešová	4136
ANALYZING IF A STRIKE CAN AFFECT OVER THE ACADEMIC PERFORMANCE OF STUDENTS CONSIDERING A SUCCESSION OF MATHEMATIC COURSES J. Figueroa-González, S.B. González-Brambila, L. Sánchez-Guerrero, B.A. González-Beltrán	4141
THE THIRD WAVE OF THE CORONA CRISIS AND ITS IMPACT ON ACADEMIC EDUCATION M. Šebo	4147
HIGHER EDUCATION INSTITUTIONS AS LEARNING ORGANISATIONS IN COVID-19 TIMES	4155
T.C. Dogaru (Cruceanu), C.G. Antonovici, C. Săvulescu, D. Diaconu	

THE IMPACT OF THE SURROUNDINGS AND TECHNICAL EQUIPMENT ON UNIVERSITY STUDENTS DURING THE THIRD WAVE OF THE CORONA CRISIS M. Šebo	4162
MARKETING STRATEGIES AND THEIR ROLE AT UNIVERSITY EDUCATION M. Vandlíčková, K. Hollá, E. Sventeková	4171
CHILDREN AND TECHNOLOGY: PREOCCUPATIONS, PRACTICES AND PARTICIPATION IN EARLY CHILDHOOD EDUCATION M. Figueiredo, V. Alves	4176
AN EDUCATIONAL VIRTUAL TEST RIG FOR THE SIMULATION OF HYBRID STEPPING MOTORS P. Righettini, B. Zappa, R. Strada, V. Lorenzi	4184
EDUCATIONAL CHATBOT USING A HYBRID-RESPONSE APPROACH A. Attard, A. Dingli	4192
THE EXAMINATION OF THE SPREAD AND DISADVANTAGES OF GAMIFIED DIDACTICS A. Mezeiová, A. Hevesi, A. Bencsik	4202
CREDIBILITY AND DISINFORMATION DURING THE COVID-19 PANDEMIC I. Silva, G. Costa, D. Organista, R. Carreira, A. Melro	4211
OUT BURNOUT - A PEDAGOGICAL STRATEGY TO COMBAT BURNOUT DURING COVID-19 - THE CASE OF ESTGA-UA STUDENTS D. Baptista, A. Calvão, G. Ferreira, R. Henriques, F. Martins, B. Neto, H. Sousa	4219
BEGINNER TEACHER ADAPTATION IN THE FIRST YEARS OF TEACHING: INSTRUMENT VALIDATION E.M. Spătărelu, R.S. Kiru, L. Maftei	4228
THE MAIN FACETS OF RATING WRITTEN PERFORMANCES AND THEIR EFFECTIVENESS J. Bérešová	4235
RESEARCH ON COLLEGE STUDENTS' ENGLISH LEARNING IN MOBILE LEARNING MODE	4240
Y.J. Li, J. Gao EFFECTIVE ADAPTATION IN THE FIRST YEARS OF TEACHING: MIXT RESEARCH DESIGN APPROACH E.M. Spătărelu, G.E. Petre, R.S. Kiru, L. Maftei	4244
ACTIVITIES IMPLEMENTED IN SOIL SCIENCE SUBJECTS TO LEARN SPECIFIC COMPETENCES AND SUSTAINABLE DEVELOPMENT GOALS C. Lull Noguera, E. Pérez-Esteve, F. Ramón Fernández, M.D. Soriano Soto, A. Vidal-Meló	4254
TEACHING CHINESE IN A VIRTUALLY BASED ENVIRONMENT: TEACHERS' AND LEARNERS' FEEDBACK H. Sokolova	4263
HOW COVID-19 HAS AN IMPACT ON FORMAL EDUCATION: A COLLECTIVE INTERNATIONAL EVALUATION OF OPEN EDUCATION IN DISTANCE LEARNING C.M. Stracke, R.C. Sharma, C. Swiatek, D. Burgos, A. Bozkurt, Ö. Karakaya, A. Inamorato dos Santos, J. Mason, C. Nerantzi, J.F. Obiageli Agbu, E. Ossiannilsson, M. S. Ramírez Montoya, G. Santos-Hermosa, J. G. Shon, M. Wan, G. Conole, R. Farrow	4270
THE COMPETENCIES OF THE MATHEMATICS TEACHER T. Tonova, S. Ivanov	4276
THE RELEVANCE OF TECHNOLOGY FOR A PROJECT APPROACH IN EARLY CHILDHOOD EDUCATION: LEARNING ABOUT CHANGE WITH OUR GRANDPARENTS M. Figueiredo, C. Gomez, M.C. Azevedo Gomes	4285
EXPLORING THE IMPACT OF PEER MENTORING ON RETENTION OF UNDERGRADUATE STUDENTS AT HIGHER EDUCATION INSTITUTIONS IN SUBSAHARAN AFRICA: A SCOPING REVIEW T. Fennie, A. Delport, A. Basson, L. Tembani, L.A. Sula, Q. Tom	4286
VIRTUAL SETUP - AUTOMATIC VIRTUALIZATION OF INDUSTRIAL PLANTS FOR DIDACTIC PURPOSES	4295
G. Soprano Machado, M. Melo de Carvalho, I. Valente de Bessa, R.L. Paiva de Medeiros, V. Ferreira de Lucena Jr	
ARE YOU A LOCAVORE? MAKING MASTER STUDENTS IDENTIFY LOCAVORIM BEHAVIOUR THROUGH IN-DEPTH INTERVIEWS M. Gallarza, G. del Chiavva, R. Sanchez-Fernandez, M. Serrano-Arcos	4302

HOW TO DEVELOP INTERCULTURAL SENSITIVITY IN MULTICULTURAL TEAMS FROM SOUTH EASTERN EUROPE H. Sokolova	4311
THE TRANSFORMATION OF TRADITIONAL FOLKLORE INTO ANIMATION: IMPACT ON TODAY'S SOCIETY J.C. Lee, A.S. Shminan, S. Bujang, M. Aren	4317
FROM FACE TO FACE TO REMOTE LEARNING: A RETROSPECTIVE STUDY A. Roberts, R. Moodley	4324
A COMPARATIVE STUDY ON THE SUSTAINABLE DEVELOPMENT GOALS KNOWLEDGE BY PRIMARY SCHOOL AND UNIVERSITY STUDENTS M. Leiva-Brondo, A. Ramos, S. G. Nebauer, C. Lull Noguera	4329
USING DATA AND DASHBOARDS TO DRIVE CONTINUOUS IMPROVEMENT FOR WIDENING ACCESS AND PARTICIPATION OBJECTIVES C. O'Donnell, B. Murphy	4336
CATALYTIC LIVING. CREATIVE MICRO-ACTIONS ON FRAGMENTS OF THE CITY AS A TOOL TO TEACH ARCHITECTURE L. Ottolini, E. Bersani	4342
RECOGNITION OF THE WORK-BASED LEARNING PROGRAMMES QUALITY IN PROFESSIONAL AND HIGHER EDUCATION E. Titov, K. Visnapuu, D. Eller, P. Lilover	4348
EVALUATION OF PRACTICAL TEACHING BY UNDERGRADUATE NURSING STUDENTS IN A CLINICAL TEACHING ENVIRONMENT P. Svobodová, J. Kantorová, I. Koribska	4361
DATA ANALYSIS OF THE IMPACT OF ONLINE LEARNING ON STUDENTS DURING COVID-19 PANDEMIC Y. Khajou, I. Azhari, Y. Chtouki	4366
COMPUTATIONAL FLUID DYNAMICS AND ITS INTEGRATION IN THE LEARNING OF FLUID MECHANICS FOR CIVIL ENGINEERS D. Mora-Melia, M. Alsina, P. Ballesteros-Pérez, G. Pincheira-Orellana	4376
APPLICATION OF EXPERT METHODS IN THE FRAMEWORK OF PROJECT TRAINING S. Lapshina, L. Daineko	4383
"LAA" LEARN THE ARABIC ALPHABET: A TOUCH SCREEN BASED APPLICATION TO LEARN THE ARABIC ALPHABET A. Al Hejaili, P. Newbury	4388
MATERIALS MATTER: AN EDUCATIONAL WORKSHOP TO DESIGN ICONS TOWARDS THE ECOLOGICAL TRANSITION M. Italia, R. Santi, L. Sossini, C.E. Standoli, B. Del Curto, F. Zurlo, M. de Liguori	4398
A CHALLENGE-BASED & COOPERATIVE LEARNING EXPERIENCE IN POSTGRADUATE EDUCATION: THE ADVISORY TEAM A. Cerveró-Carrascosa, J. García-Hernández	4405
AN EXPERIENCE WITH AN ONLINE ASSESSMENT SYSTEM WITH PERSONALIZED EXAMS FOR EACH STUDENT O. García, F. León, A. Aguilar, M. Pineda Becerril	4413
DIGITAL MEDIA AND EDUCATION: COMMUNICATION BETWEEN FACULTY MEMBERS AND STUDENTS IN A MEXICAN UNIVERSITY DURING THE PANDEMIC C. García-Hernández, M. Espinosa-Meneses, N. González-Nieto	4419
THE IMPACT OF TARGETING BLENDED ACTIVE LEARNING IN COURSE REDESIGN ON STUDENTS' SATISFACTION, MOTIVATION, ENGAGEMENT AND WORKLOAD S. David, T. Schellens, T. Rotsaert	4427
GROUNDED THEORY WITH CHILDREN: LEARNING TO THINK TOGETHER M. Ballarini, L. Mortari	4435
USING THE TRAJECTORIES ANALYSIS FOR DETERMINING COMPUTER ENGINEERING STUDENTS' RISKS AT AN SUPERIOR EDUCATIONAL INSTITUTION S.B. González-Brambila, L. Sánchez-Guerrero, B.A. González-Beltrán, J. Figueroa-González	4441
CREATIVE EDUCATIONAL CHALLENGES ASSOCIATED WITH TEACHING PRACTICES IN CONSIDERATION OF EDUCATIONAL RPG M.A. Pool, L. Giraffa	4446
ANALYTICAL-HEURISTIC EDUCATION TYPE INFLUENCE ON MEDICAL STUDENTS PROFESSIONAL MOTIVATION DEVELOPMENT O. Tsilmak, V. Artyomenko, D. Overchenko	4452

MASTER'S STUDENTS J.E. Ribeiro, P.M. Barros, F. Silva	4458
BUSINESS STUDENTS' PERCEPTION OF DIGITAL GAME-BASED LEARNING & COLLABORATIVE LEARNING ENVIRONMENT S. Mubaraz, J. Heikkilä	4465
INTERACTION BETWEEN COURSE UNITS: AN EXPERIENCE IN HIGHER EDUCATION F. Silva, P.M. Barros, J.E. Ribeiro	4473
DEVELOPING READING COMPREHENSION THROUGH LITERARY COMPETITION G. Petres Csizmadia, A. N. Tóth	4479
STIMULATING A DESIRE TO READ USING A CONTEMPORARY CHILDREN'S FABLE G. Petres Csizmadia	4488
ONLINE DOCUMENTATION FOR A BIOSTATISTICS COURSE USING MODERN TECHNOLOGY J.P. Cruz, A. Freitas	4496
GOING HYBRID ON A DIME: LESSONS FROM SCHOOLING DURING THE PANDEMIC AND IMPLICATIONS FOR SUSTAINABLE QUALITY IN EDUCATION K. Snyder, M. Johnson, K.J. Snyder	4503
TRANSITIONING FROM FLIPPED TO FULLY ONLINE IN THE PANDEMIC ERA <i>B. Tyler, G. Oteniyaz</i>	4513
STRATEGIES FOR FORMING MOTIVATION IN STUDENTS REGARDING THE LEARNING ACTIVITY DURING THE EDUCATION PROCESS V. Yordanov	4521
DISTANCE LEARNING FOR ADOLESCENTS - ADVANTAGES AND DISADVANTAGES V. Yordanov	4527
FUNCTIONS AND CONDITIONS OF PRESCHOOL EDUCATION DURING THE COVID- 19 PANDEMIC IN THE CZECH REPUBLIC A. Srbená, V. Gajdová	4532
VIRTUALIZATION OF DIGITAL MEDIA PRODUCTION IN EDUCATION C. Tomkins, M. Wagner	4542
HIGHER EDUCATION DURING PANDEMIC: COMPETENCE APPROACH AND GAMIFICATION M. Kravale-Paulina, A. Romanovska, I. Presnakova	4545
ENHANCING THE YOUTH' PARTICIPATION IN RESEARCH AND PROMOTING TOLERANCE: EXPERIENCE OF ORGANIZING A SUMMER SCHOOL A. Romanovska	4551
LEARNING OUTCOMES ACHIEVEMENT: TEACHING EXCELLENCE IN HIGHER EDUCATION DURING A PANDEMIC A. Romanovska, I. Presnakova, M. Kravale-Pauliņa	4558
EXAMINING THE EFFECTIVENESS OF FLIPPED CLASSROOMS ON ACADEMIC PERFORMANCE AND SATISFACTION IN UNDERGRADUATE NURSING AND HEALTH SCIENCE: A SYSTEMATIC REVIEW L. Banks, R. Kay	4563
REMIXING PEDAGOGICAL APPROACHES TO ATTEND DIFFERENT LEARNING STYLES C. Martins, L. Giraffa	4569
IN PURSUIT OF MEANINGFUL LEARNING EXPERIENCES V. Meirinhos, C. Sousa, F. Ferreira, M. Bastos, M. Pedrosa, B. Santos, J. Torres, I. Sousa, I. Lopes, N. Gomes, A. Oliveira	4575
EXPLORING FLIPPED CLASSROOM DESIGN IN UNDERGRADUATE NURSING AND HEALTH SCIENCE: A SYSTEMATIC REVIEW L. Banks, R. Kay	4576
ASSESSMENT OF ALGORITHMIC AND LOGICAL THINKING OF FIRST- AND SECOND-YEAR UNDERGRADUATE COMPUTER SCIENCE STUDENTS AT J. SELYE UNIVERSITY L. Végh, S. Gubo	4577
DATA-DRIVEN TUTORING: CHALLENGES AND PROSPECTS D. Schönle, C. Reich, D. Abdeslam	4584
ACADEMIC PERFORMANCE AND RESILIENCY: THE IMPACT OF COVID-19 ON ELEMENTARY STUDENT LEARNING AND GROWTH T. Hardwick, X. Liang	4595

DIALOGICAL DEVELOPMENT OF CULTURAL LITERACY IN PRE-SCHOOL CHILDREN V. Juskiene, O. Merfeldaite	4599
INTERNET ADDICTION AMONG ADOLESCENTS: THE ROLE OF SOCIAL SELF- EFFICACY AND GENERAL LOCUS OF CONTROL T. Touloupis	4606
EDUCATION FOR SUSTANABILITY: EXPERIENCES APPLYING EDUCATION FOR SUSTAINABILITY INTO A UNIVERSITY SUBJECT R. Chalmeta, M. Palop Belloch, J. González Darder	4607
A LITERATURE REVIEW ON CYBERBULLYING AMONG STUDENTS: DO GENDER AND SCHOOL ACHIEVEMENT MATTER? T. Touloupis	4613
QR-CODE TO INTEGRATE GENERATION Z INTO EDUCATIONAL PROCESS V. Goncharova, N. Dugalich	4621
EXPERIENCES IN THE DEVELOPMENT OF A DIDACTICS OF THE SPANISH LANGUAGE COURSE J. González Darder, R. Chalmeta, M. Palop Belloch	4626
SHARED AND VIRTUAL PHYSICS LABORATORIES NOT ONLY FOR DISTANCE LEARNING H. Hyksova, V. Stoffová	4630
EDUCATIONAL PORTALS AS INFORMATION SOURCES FOR EDUCATION H. Hyksova, S. Nemethova	4636
HUMAN-CENTERED INNOVATION MANAGEMENT – DERIVATION OF A NEW ACADEMIC EDUCATION APPROACH J. Kirch, U. Kaschka	4642
TECHNOLOGY AND COMMUNICATION: A FACTUAL CONVERSATION FOR IMPROVING SOCIETY I. Álvarez de Mon, M. Millán, B. Wislocka	4649
3D PRINTER IN CONCRETE IN ARCHITECTURE AND BUILDING A. Amirfiroozkoohi, M. Valiente Lopez, M.C. Sanz Contreras	4655
INCIDENCE OF THE COVID 19 CONTINGENCY ON STUDENTS AT A PUBLIC UNIVERSITY WHO START ENGINEERING STUDIES: PERFORMANCE IN MATHEMATICS G. Pulido-Rodríguez, R. López-Bautista, I. Gutiérrez-Rodríguez	4666
A DIGITAL FILM PRODUCTION WITH LIVE ONLINE TECHNOLOGIES – HOW TO DIDACTICALLY SUPPORT FILMMAKING FROM A DISTANCE I. Schuenemann, J. Kirch, S. Siehl	4671
COMPARISON OF THE ASSESSMENT OF CERTAIN EVALUATION PARAMETERS AFTER PROFESSIONAL DEVELOPMENT OF CHEMISTRY TEACHERS DURING BOTH LIVE AND ONLINE CLASSES O. Martinis, D. Černi	4679
YOUNG RESEARCHERS IN TIMES OF COVID-19: REPERCUSSIONS ON THE RESEARCH PROJECT OF THE BACCALAUREATE IN CATALONIA I. Calduch, M.J. Rubio Hurtado, P. Janer Arasa, Z. Bozu, G. Hervas	4680
THE ARCHITECTURE OF IDEAL LEARNING ENVIRONMENTS A. Javaherikhah, M. Valiente Lopez, M. Fernández Álvarez	4687
PROMOTING SELF-EFFICACY AND EMPLOYABILITY SKILLS OF TERTIARY EDUCATION STUDENTS IN NIGERIA: OPTIMIZING 'STUDENTS INDUSTRIAL WORK EXPERIENCE SCHEME' (SIWES) E. Orji, R. Uche	4699
SERIOUS GAMES FOR HIGHER EDUCATION MATHEMATICS: QUEST FOR WISDOM – THE HORN OF ODIN O. Taralunga, P. Heidtmann, M. Krokos	4706
TRANSVERSAL COMPETENCIES FOR SOCIAL WORK TRAINING: A CASE STUDY AT A PORTUGUESE UNIVERSITY I. Casquilho-Martins, D. Vilar, I. Sousa	4717
J. DEWEY'S CONCEPTS IN MODERN PEDAGOGICAL THOUGHT Y. Kokorina, N. Kalashnikova, D. Godina, E. Filimonova, K. Trostina	4725
UNIVERSITY AND SPIN-OFF CROSS-FERTILIZATION ON INNOVATIVE EDUCATIONAL RESEARCH H. Strik, A. Steger, Y. Bai, C. Cucchiarini, M. Enter	4731

BIMODAL EDUCATION APPROACH IN A SPANISH MEDICINE SCHOOL: STUDENTS' AND TEACHERS' FEEDBACK M. Alonso Chamorro, D. Monge	4741
END-OF-STUDIES DISSERTATION IN BLENDED UNIVERSITIES: ADVANTAGES OF USING VIDEOS	4748
J. Navio-Marco, L.M. Ruiz-Gomez, C. López-Martín, R. Arguedas-Sanz	
APPLICATION EXPERIENCE OF FLIPPED CLASSROOM FOR THE LEARNING OF HYDRAULICS SUBJECT UNDER A PANDEMIC CONTEXT D. Mora-Melia, P. Ballesteros-Perez, C.S. López-Aburto, B.A. Valdivia Muñoz	4756
TEACHER COMMUNICATION AS A MEANS TO DEVELOP THE PUPIL'S POTENTIAL I. Filipková	4761
THE CYRM-12 VALIDATION ON PRESCHOOL SAMPLE IN CROATIA S. Tatalović Vorkapić	4762
USING ONLINE TOOLS WITHIN BLENDED ENGLISH AS A FOREIGN LANGUAGE INSTRUCTION TO ENHANCE STUDENTS' SELF-STUDIES IN GRAMMAR TEACHING I. Shchukina, V. Kudinova, Y. Antyufeeva, O. Kudinova, I. Kudinova	4770
COMPARING THE PRE-SERVICE TEACHER PERCEPTIONS ABOUT THEIR EXPERIENCES IN THE FACE TO FACE AND REMOTE CLASSES FROM THE PERSPECTIVE OF THE PEDAGOGICAL VARIATION MODEL (ROGERS, 2013) M.S. Rogers, A. Grunewald Nichele	4778
A QUANTITATIVE COMPARISON OF SYNCHRONOUS AND ASYNCHRONOUS DISTANCE LEARNING, BASED ON THE PERSPECTIVES OF A SINGLE GROUP OF STUDENTS	4788
P. Zalimidis, L. Gomatos, V. Spitas, G. Vasileiou, E. Tsolakis CYBERBULLYING AS A SECONDARY NEGATIVE PHENOMENON DURING DISTANCE EDUCATION AND PROTECTION OF THE RIGHTS OF VICTIMS OF CYBERBULLYING V. Gaballová, L. Valachovičová	4797
A COMPARISON OF TWO TEXT-BASED FEATURE SETS FOR PREDICTING STUDENT PERFORMANCE: A INITIAL EXPLORATION I. Karasavvidis, C. Papadimas, V. Ragazou	4806
COMPARING THE REFERENCE LEVELS OF LEXIS IN THE SLOVAK STATE EDUCATION PROGRAM WITH THE LEVELS ASSIGNED IN THE ENGLISH VOCABULARY PROFILE Z. Sucháňová	4815
MEASURING THE RECEPTIVE AND PRODUCTIVE L2 VOCABULARY OF THE SLOVAK SECONDARY SCHOOL STUDENTS Z. Sucháňová	4821
WHO WANTS TO BE CREATIVE? A QUALITATIVE STUDY OF THE IMAGINARIES AND EXPECTATIONS OF UNIVERSITY STUDENTS REGARDING CREATIVITY AND THE CREATIVE PROFESSION	4828
A. Creus, L. Massaguer, J. Sánchez-Navarro	
EMPOWERING YOUNG PEOPLE WITH VISUAL IMPAIRMENTS TO BECOME ACTIVE AGENTS FOR SOCIAL INCLUSION: THE CASE OF THE ADD@ME PROJECT V. Argyropoulos, V. Cascio, A. David, D. Elek, F. Hurtado Martínez, A. Lemanczyk	4832
ARGUMENTATIONS ON NEWS ANALYSIS AFTER A SEMINAR ON FAKE NEWS ON SOCIAL NETWORKS J.M. Meza-Cano	4838
THE ROBINHOOD OF 3D: DEMOCRATIZING VOLUMETRIC CAPTURE FOR MORE ACCESSIBLE AND INNOVATIVE LEARNING ENVIRONMENTS B. Carter, L. Robinson, E. Acuna, D. Uralov, T. Ketema, M. Gordon	4845
REMOTE LEARNING AND DIGITAL LITERACIES AND COMPETENCES: A STUDY IN PORTUGAL D. Franco, M. Fonseca, M.N. Gonçalves	4851
A JOURNEY TO LEARNER AUTONOMY AND SELF-EFFICACY VIA TECHNOLOGY- MEDIATED SCAFFOLDING O. Eguara	4856
E-LEARNING GOVERNANCE DURING EMERGENCY ONLINE LEARNING: A CASE STUDY OF THE APPLICATION OF E-LEARNING GOVERNANCE REFERENCE MODEL T. Aldosemani	4866
EDUCATIONAL TECHNOLOGIES IN THE DIGITAL AGE: A STUDY IN PORTUGAL	4871

THE TREND AND PATH OF THE CONSTRUCTION OF BLENDED TOP-RANKING CURRICULUM IN COLLEGES AND UNIVERSITIES X. Hua, J. Zhao	4872
SAVING THE WORLD ON A SHOESTRING: UTILISING COHORT DIVERSITY AND ENHANCED TECHNOLOGY TO BRIDGE THE HIGHER EDUCATION EXPECTATION GAP	4881
S. Taylor, M. Ryan, L. Elphinstone	
COVID-19 VACCINATION HESITANCY: AN ANALYSIS OF THE INFLUENCE OF EDUCATION STATUS AND OTHER SOCIAL DETERMINANTS ON AFRICAN AMERICAN FAMILIES AND YOUTH T. Clark, N. Brown, H. Aubrey, K. Anderson, T. Jordan, D. Hill-Eley, H. Swanson, E. Cameron	4892
SUSTAINING INFORMATION AND COMMUNICATION TECHNOLOGY INTEGRATION IN TEACHER EDUCATION: STRATEGIES OF LECTURERS IN A UNIVERSITY B. Addam, B.Z. Gobingca	4901
THE IMPLEMENTATION EFFECTS OF LEARNER'S EMOTION RECOGNITION AND VISUALIZATION BASED ON BRAIN WAVES AND AUGMENTED REALITY R. Jiang, B.W. Xing, S. Cai	4910
MAPPING OF COGNITIVE SKILLS AND COMPETENCIES THROUGH EXTRACURRICULAR ACHIEVEMENTS OF AN ENGINEERING GRADUATE TO COMPLY WITH EMPLOYER EXPECTATIONS: A QUANTIFIABLE APPROACH H.J. Joshi, A.R. Joshi, A. Ganesh	4921
INNOVATIVE STRATEGIES FOR POSTGRADUATE TEACHERS IN THE EMERGING DISTANCE EDUCATION IN MEXICO DUE TO COVID-19 N.P. Maldonado Reynoso, N. Islas Ayala, A.J. Rodriguez Aguirre	4931
THE LECTURER AT A CROSSROADS OF ACADEMIC TEACHING AND LEARNING: THE CASE OF ISRAEL R. Wadmany, N. Davidovitch	4936
FEELWHEEL.ONLINE: THE ONLINE WHEEL FOR HOW YOU FEEL B. Harris	4937
RESULTS AND TRENDS IN E-LEARNING OF STUDENTS, CONDUCTED DURING A LOCKDOWN I. Getova, Y. Anastasova, N. Yanev, M. Trifonova	4938
CHALLENGES AND EXPECTATION OF LECTURERS AND RESEARCHERS ON INTELLECTUAL PROTECTION TRAINING PROGRAM AT UNIVERSITY OF MEDICINE AND PHARMACY AT HO CHI MINH CITY, VIETNAM T. Le, T. Hoàng, T. Nguyen, T. Vo, H. Pham	4944
FACILITATING THE USE OF THE PROGCONT SYSTEM FOR NOVICE PROGRAMMERS WITH TEST CASE ANNOTATIONS P. Biró, T. Kádek, J. Pánovics	4951
ADAPTABLE EDUGAMES PLATFORM, ALLOWING EDUCATORS TO CUSTOMIZE GAMES	4957
A.K. Barianos, A. Papadakis, S. Bartokaymenos, S. Sfakiotakis, N. Vidakis	
THE PERCEIVED ACHIEVEMENT OF STUDENTS BEFORE AND DURING THE COVI19 AND THEIR MOTIVATION CONCERNING ONLINE EDUCATION A. Sadeh, E.E.M. Hirsh	4966
ONLINE TEACHING AND LEARNING IN MINING ENGINEERING STUDIES FROM FACE-TO-FACE TO REMOTE LEARNING K.M. Mmolotsi, M. Mpanza	4972
THE DANCER'S APPRENTICE: NEXT-GEN DANCE NOTATION FOR BEGINNERS USING BODY POSTURE DETECTION K. Tokuno, K. Moriya, F. Kusunoki, S. Inagaki, H. Mizoguchi	4979
PROVIDING LEARNING SUPPORT FOR STUDENTS WITH, AND WITHOUT SPECIAL NEEDS IN HIGHER EDUCATION DURING AND POST COVID-19 PANDEMIC B. Ramayah, L.V. Yap, S. Ilangovan, T. Arvaree, C.L. Yap	4984
EVALUATING SELECTED DIDACTIC TOOLS FOR TEACHING THE INFORMATICS SUBJECT D. Kuszi, R. Horváth	4992
USING H5P TO BUILD CONTENT-ENGAGED LEARNING IN MATHEMATICS E. Safiulina, O. Labanova	5002

RESEARCH OF UNIVERSITY STUDENTS' EDUCATIONAL MOTIVATION IN CONNECTION WITH SYSTEMIC REFLECTION O. Vindeker, K. Vaitsekauskaite, V. Arkhipova	5007
TEACHING SUBTITLING IN DISTANCE LEARNING J. Ukušová, A. Zahorák	5012
FOSTERING STUDENTS' SENSE OF BELONGING: A PARENTAL ROLE OR A HEI RESPONSIBILITY NECESSITY? AN INTERDISCIPLINARTY HEI STUDY INTO A MODEL OF STUDENT BELONGING AT UNIVERSITY BUSINESS SCHOOLS S. McCotter, P. McGowan, P. Tambay	5019
TEACHING ARCHITECTURE: THE 2020 EXPERIENCE D. Opincariu, A. Pop (Motu)	5029
ACTIVE AND EXPERIENTIAL LEARNING FOR SYNTHESIS OF MAGNITUDE COMPARATORS A. Borodzhieva, I. Tsvetkova	5034
RESEARCH OF SOCIAL MATURITY OF UNIVERSITY STUDENTS IN CONNECTION WITH VARIOUS MODES OF EDUCATIONAL SUCCESS O. Vindeker, V. Arkhipova, B. Berzin	5045
TRANSLANGUAGING AND INTERCULTURAL APPROACH: A MLEARNING PROPOSAL TO EASE IMMIGRANT CHILDREN'S INTEGRATION J. Azevedo-Gomes, A. Sartor-Harada, A.A. Cordovés Santiesteban, Y. Cordero Gómez	5051
STUDY OF 1ST GRADE PRIMARY STUDENTS' COGNITIVE DEVELOPMENT WITHIN DYNAMIC MODEL OF TEACHING AND LEARNING IN RICH OF TECHNOLOGIES ENVIRONMENT R. Papancheva, N. Kaloyanova	5056
STUDY OF 1ST GRADE PRIMARY STUDENTS' SOCIAL AND EMOTIONAL COMPETENCY WITHIN DYNAMIC MODEL OF TEACHING AND LEARNING IN RICH OF TECHNOLOGIES ENVIRONMENT N. Kaloyanova, R. Papancheva	5067
THE EXPERIENCE OF IMPLEMENTATION OF PRIMARY PREVENTION OF RISK BEHAVIOUR IN NURSERY SCHOOLS D. Cibáková, T. Čech, T. Hormandlová	5077
THE SUCCESSFUL INTERACTION BETWEEN UNIVERSITIES AND LIBRARIES TO ACQUIRE NEW PRACTICAL TRAINING AND SKILLS FOR STUDENTS DURING A PANDEMIC I. Yankova, K. Ivanova, B. Hadjieva	5085
ORGANIZATIONAL PEDAGOGICAL CONDITIONS OF CHILDREN'S SOCIAL-COMMUNICATIVE DEVELOPMENT IN A PRESCHOOL EDUCATIONAL INSTITUTION (IN THE CONTEXT OF TEACHING A FOREIGN LANGUAGE) E. Chelpanova, E. Shmidt, E. Bystray, B. Artemenko, I. Orlova	5091
PECULIARITIES OF THE MODERN EDUCATIONAL PROCESS IN THE REFLEXION OF THE HUMANITIES STUDENTS G. Varakina, N. Yakushkina, M. Yudin, O. Kuprina, A. Solyankin	5099
DEVELOPING STUDENTS' EFL SPEAKING CONFIDENCE AND FLUENCY IN REMOTE LEARNING L. Vardanyan	5106
TEACHERS' ANALYSIS OF A STUDENT QUESTIONNAIRE ON DIGITAL TECHNOLOGY IN SECONDARY MATH EDUCATION M. Utterberg Modén, M. Tallvid, J. Lundin, B. Lindström	5113
EXAMINATION OF VOCATIONAL CHOICES AND PROFESSIONAL GOALS AMONG TEACHER TRAINING STUDENTS E. Szentes	5118
ANALYSIS OF SELECTED WORD PROBLEMS IN THE INTEGRATION OF CLIL INTO MATHEMATICS TEACHING J. Wossala, R. Dofková, S. Novotná	5123
APPLICATION OF FLIPPED METHODOLOGY IN COMPUTER AIDED DESIGN TEACHING C. Computer M. Vargara, V. Payarri, Payarri, Payar, M. I. Pallán, V. Cracia, Ilháñar.	5131
C. González-Lluch, M. Vergara, V. Bayarri-Porcar, M.J. Bellés, V. Gracia-Ibáñez DEVELOPING COMMUNICATIVE COMPETENCES WITH THE SUPPORT OF MOBILE	5138
TECHNOLOGIES D. Tran, K. Kostolányová	0100

BIBLIOMETRIC ANALYSIS OF GAME-BASED METHODOLOGY IN ENVIRONMENTAL EDUCATION	5145
P.D. Franco-Caballero, G.E. Sotorrío-Sánchez, A. Matas-Terrón	
GLOBAL CITIZENSHIP IN PRIMARY EDUCATION DEGREES: DESCRIPTIVE ANALYSIS OF SPANISH PUBLIC UNIVERSITY CURRICULA J. Azevedo-Gomes, O. Ulloa-Guerra, A. Sartor-Harada, M.J. Seckel Santis	5150
METHODOLOGIES AT COVID-19 ERA: A BIBLIOMETRIC ANALYSIS P.D. Franco-Caballero, G.E. Sotorrío-Sánchez, A. Matas-Terrón	5154
PEDAGOGICAL CONDITIONS FACILITATING PARENTS' SHARING OF CHILDREN EDUCATION EXPERIENCES S. Kovienė	5159
THE ROLE OF SCHOOL ENVIRONMENT AND TEACHERS' BASIC PSYCHOLOGICAL NEEDS SATISFACTION AND FRUSTRATION IN PREDICTING (DE)MOTIVATING TEACHING STYLE S. Raižienė, R. Garckija, U. Ruzgaitė, I. Gabrialavičiūtė	5167
EXPRESSION AND ORGANIZATION COMPONENTS OF PARENTS' PEDAGOGICAL EDUCATION IN PRE-SCHOOL EDUCATION INSTITUTION S. Kovienė	5168
TEACHING PHYSICS AT THE TECHNICAL UNIVERSITY DURING PANDEMIC SITUATION – COVID19 – CASE STUDY P. Hockicko, G. Tarjányiová	5175
IMPACT OF INTERNATIONAL PROJECTS ON PLURILINGUAL AND PLURICULTURAL COMPETENCE DEVELOPMENT AT A UNIVERSITY N. Macianskiene, V. Bijeikiene	5185
IMPACT OF STRESS ON STUDENTS' PERCEPTIONS OF ONLINE-LEARNING DURING EMERGENCY COVID-19 PANDEMIC QUARANTINE C.C. Sim, S.C. Choo	5193
USING COMMUNITY LEVEL DATA-BASED DECISION MAKING IN GENERAL EDUCATION: FIRST PHASE OF A 5-YEAR PROGRAM E. Horváth, E. Herbainé Szekeres, Á. Szekeres	5202
AIGORA 2.0: PROGRAMMING LEARNING WITH GITHUB AND PROJECT PLANNING O. Perpiñán, R. Cedazo	5211
OPINIONS OF COMPUTER SCIENCE TEACHERS IN GYMNASIUMS IN THE CZECH REPUBLIC ABOUT THE CONTENT OF THE COMPUTER SCIENCE CURRICULUM AND THEIR WEAK AND STRONG PROFESSIONAL COMPETENCES M. Chráska, J. Basler	5221
DIGITAL RESOURCES FOR LEARNING UNDER LOCKDOWN FOR STUDYING THE TOPIC "SHADOWING EFFECTS" IN THE DISCIPLINE "MOBILE CELLULAR NETWORKS" I. Tsvetkova, A. Borodzhieva	5228
GROUP COHESION AND LEARNING FRENCH AS FOREIGN LANGUAGE IN A VIDEOCONFERENCING ENVIRONMENT N. Gettliffe-Erkat	5238
VALIDATION OF A METHODOLOGICAL STRATEGY FOR THE TRANSVERSAL USE OF THE STUDENT DIGITAL PORTFOLIO IN MASTER'S DEGREE PROGRAMS A. Sartor-Harada, O. Ulloa-Guerra, M.E. Pérez Ochoa, R. Martínez Sierra	5248
THE SUBJECTIVE WELL-BEING OF YOUTH IN PANDEMIC TIMES. THE CASE OF ROMANIA A. Nastasa, R.M. Molea	5255
TEACHING INDUSTRIAL ROBOTIC APPLICATIONS FOR SMART TECHNOLOGIES ENGINEERING CURRICULUM P. Righettini, B. Zappa, R. Strada, V. Lorenzi	5261
THE VALIDATION OF A SELF-ASSESSMENT TOOL FOR THE TEACHER'S PRACTICES THAT EMBRACES THE NEURO-EDUCATIONAL APPROACH M. Albanese	5270
PEER-TUTORING AT THE UNIVERSITY. ANALYSIS OF A SINGLE CASE STUDY M. Albanese	5277
DIGITAL CHANGE AND MARGINALIZED COMMUNITIES: CHANGING ATTITUDES TOWARDS DIGITAL MEDIA IN THE MARGINS G. Eickers, M. Rath	5286

ARE HUMANOID ROBOTS A USEFUL TOOL FOR THE PROMOTION OF COMPUTER SCIENCES? - RESULTS FROM THE RESEARCH PROJECT ROBOPRAX S. Zeaiter, P. Heinsch	5294
FACTORS INFLUENCING SELF-PERCEIVED EMPLOYABILITY AMONG SOUTHEAST EUROPEAN YOUTH A. Nastasa	5304
ANALYSIS OF DATA SETS USED FOR QUALITY ASSESSMENT AND MANAGEMENT IN THE EDUCATION SYSTEM OF THE RUSSIAN FEDERATION E. Benks, B. Ilyukhin, N. Serbina, E. Lepustina	5311
SUSTAINABLE DEVELOPMENT FOR EDUCATION QUALITY AND TEACHER TRAINING IN ICTS A. Sartor-Harada, J. Azevedo-Gomes, O. Ulloa-Guerra, A. Deroncele Acosta	5317
MULTICULTURAL COMPETENCE FOR JAPANESE PRESERVICE TEACHERS: DEI (DIVERSITY, EQUITY, INCLUSION) TRAINING FOR JAPANESE EARLY EDUCATION PRESERVICE TEACHERS M. Morrone, Y. Matsuyama	5324
TEACHER TRAINING ONLINE INTERNSHIPS AND EXCURSIONS TO EDUCATIONAL INSTITUTIONS IN THE PROSPECTIVE TEACHERS UNIVERSITY PREPARATION AS AN ALTERNATIVE DURING THE COVID-19 PANDEMIC E. Dordova, J. Malach	5325
USING GAMIFICATION FOR BASIC COMPUTER SKILLS TRAINING S. Chomunorwa, S. Chomunorwa, S. Chomunorwa	5335
DESIGN CRITERIA FOR 21ST CENTURY ENGINEERING TRAINING I. Hojas Hojas, E. García Del Toro	5341
APPLICATION OF STANDARD INDICATORS FOR THE QUANTIFICATION OF SDGS IN THE ENVIRONMENTAL ASSESSMENT OF CIVIL ENGINEERING PROJECTS I. Hojas Hojas, E.M. García Del Toro, I. Más López	5346
INCIDENT MANAGEMENT THAT INTEGRATES A CHATBOT TO IMPROVE THE USE OF ONLINE EDUCATION SERVICES A.L. Chiru, I.A. Awada, A.M. Florea	5357
CATCH 21ST CENTURY SKILLS: CHANGING THE APPROACH TO TEACHING IN HIGHER EDUCATION M.L. Sierra, L.A. Bruton, M. Aguareles	5362
EXPLORING THE ISSUES AND TRENDS THAT APPEAR IN THE DIGITAL SPACE OF EDUCATION POST COVID-19 A.L. Chiru, I.A. Awada, A.M. Florea	5369
EXPLORING STUDENTS' AND TEACHERS' PERCEPTIONS ON USING REMOTE LABORATORY IN FUNDAMENTALS OF TELECOMMUNICATIONS COURSE V. Mengov, D. Stoyanova, T. Ivanova	5370
ARE MOVEMENT GAMES AN EFFECTIVE TOOL FOR THE IMPROVEMENT OF PHYSICAL FITNESS LEVELS AMONG PUBERTAL CHILDREN? E. Chovanova, T. Dubayova, M. Majherová	5374
THE VIRTUAL ROBOTIKUM – TWO APPROACHES TO PRACTICAL PROGRAMMING WITH HUMANOID NAO ROBOTS DURING THE PANDEMIC S. Zeaiter, P. Heinsch	5379
HOW TO PREVENT FRAUDS AND CHEATING AT PROGRAMMING EXAMS V. Stoffová, R. Horváth	5388
HOW WELL DO WE UNDERSTAND WELLBEING? TEACHERS' EXPERIENCES IN AN EXTRAORDINARY EDUCATIONAL ERA C. Jellis, J. Williamson, I. Suto	5395
TEACHER EDUCATION IN A GLOBALIZED WORLD: PRESERVICE TEACHERS' DEMOGRAPHIC FACTORS AND THE MOTIVATION TO STUDY GLOBAL EDUCATION L. Biberman-Shalev	5405
DIGITAL LEARNING, FLIPPED TEACHING AND THE DEVELOPMENT OF PERSONAL AND PROFESSIONAL SKILLS DURING THE SECOND YEAR OF COVID-19 PANDEMIC IN ENGINEERING MODULES	5406
I. Chiyón Carrasco, F. Suárez Guerra, M. García Alberti, J.C. Mosquera Feijoo CHANGES AND CHALLENGES ON THE ROMANIAN LABOUR MARKET FOR THE	5415
YOUTH IN THE COVID-19 PANDEMIC A.B. Aldea	
THE DEVELOPMENT OF MOTOR ABILITIES IN KARATE PRACTITIONERS E. Chovanova, T. Dubayova, M. Majherová	5421

IS THERE ANYBODY OUT THERE? OLD AND NEW CHALLENGES OF FORMATIVE FEEDBACK IN E-LEARNING A. Creus	5427
AN SAP BASED SMART CITY APPLICATION FOR STUDENTS IN UNIVERSITY EDUCATION I. Bakos, P. Biró	5428
WHO WANTS TO GO BACK TO SCHOOL? CASE STUDY ON ROMANIAN YOUTH A.B. Aldea, C. Mocanu	5432
DIGITAL TRANSFORMATION OF THE UNIVERSITY AS A RESPONSE TO GLOBAL CHALLENGES: EXPERIENCE AND PROSPECTS OF RUSSIA G. Bannykh	5433
SELF AND PEER EVALUATION METHODOLOGIES AND ITS APPLICATION IN COMPUTER AIDED DESIGN TEACHING C. González-Lluch, V. Bayarri-Porcar, A. Piquer, M. Núñez-García	5440
EUROPE OR RUSSIA: GLOBAL EDUCATIONAL ORIENTATIONS OF THE URAL YOUTH N. Sivkova, A. Novgorodtseva, S. Kunshchikov, O. Smirnova, E. Khairutdinova, A. Shutaleva	5450
UNIVERSITY AS AN EDUCATIONAL ECOSYSTEM L. Daineko, I. Yurasova, N. Karavaeva	5455
CHANGES IN THE VALUE ORIENTATION OF STUDENTS OF TEACHER AND NON- TEACHER STUDY PROGRAMS DURING UNIVERSITY STUDIES J. Knapík	5461
HOW DECISIVE IS BUDGET TO SUPPORT TECHNICAL SKILLS IN QUANTITATIVE SUBJECTS?	5470
R. Ruiz de la Hermosa González-Carrato, P. Gamarra Gamarra	
STUDY FOR THE OPTIMIZATION OF ENERGY CONSUMPTION IN AIR CONDITIONING AT THE FACULTY OF ENGINEERING VITORIA-GASTEIZ (UPV / EHU) E. Apiñaniz-Fernandez de Larrinoa, A. Mesanza-Moraza, M. Gastón-Escudero, A. García-Adeva, J. Ortiz de Villalba, I. Calvo-Gordillo, J.M. Gil-Garcia, C. Escudero-Revilla, A. Espín-Elorza, U. Sanchez-Penela	5475
DIGITAL TRAINING IN THE TEACHING PROFESSION AND WELL-BEING AT WORK: WHICH ELEMENTS AND WHICH RELATIONSHIPS? D. Di Donato, I. Stanzione, M. Cecalupo, I. Bortolotti	5481
INTERACTIVE RADIOLOGICAL-ANATOMY SUPPLEMENTARY E-LEARNING: AN ALTERNATIVE ANATOMY LEARNING TOOL AMIDST COVID-19 N.A. Sa'hari Ramli, S.N.H. Hadie, F. Kasim, A.H.Z. Samsudin, S.A. Shamsuddin	5487
HOW INCOMING FRESHMEN DEALT WITH SUDDEN TECHNOLOGICAL CHANGES DURING THE PANDEMIC IN QUANTITATIVE SUBJECTS? P. Gamarra Gamarra, R. Ruiz de la Hermosa González-Carrato	5498
MULTIMEDIA-BASED LEARNING AND THE DEVELOPMENT OF PLURILINGUAL AND PLURICULTURAL COMPETENCE X. Liashuk	5504
A REVIEW OF THE LITERATURE ON LOWERING THE STANDARDS AND INSTRUCTION QUALITY IN ENGINEERING EDUCATION J.C. Mosquera Feijoo, I. Chiyón Carrasco, D. Santillán Sánchez, L. Cueto-Felgueroso Landeira	5505
INFORMAL LANGUAGE LEARNING THROUGH INTERACTIVE SOCIAL MEDIA TOOLS: CURRENT TRENDS AND PRACTICES X. Liashuk	5514
MONITORING INDOOR ENVIRONMENTAL QUALITY AT THE FACULTY OF ENGINEERING OF VITORIA-GASTEIZ A. Espín-Elorza, I. Calvo-Gordillo, J.M. Gil-García, E. Apiñaniz-Fernandez de Larrinoa, C. Escudero-Revilla, A. Mesanza-Moraza, M. Gastón-Escudero, A. García-Adeva, J.M. Ortiz de Villalba	5521
GRAFCET LEARNING USING CBL: CAR WASH AUTOMATION O. Trull-Dominguez, A. Peiró-Signes, C. Gómez-Palacios	5529
THE ISSUE OF IDENTIFICATION AND ASSESSMENT OF TWICE-EXCEPTIONAL STUDENTS P. Baranová, I. Márová, P. Kachlík	5536
ENVIRONMENTAL GEOGRAPHY IN THE SYSTEM OF GEOGRAPHICAL EDUCATION IN THE SLOVAK REPUBLIC D. Oremusová, M. Nemčíková, H. Kramáreková, Z. Jenisová	5543
IMPACT ON STUDENTS LEARNING BY USING PHET INTERACTIVE SIMULATOR IN PHYSICS CLASSES M. Passos, I. Araújo	5553

GEOGRAPHY IN THE SLOVAK REPUBLIC H. Kramáreková, K. Moravčíková, M. Nemčíková, D. Oremusová	5560
COLLABORATION BETWEEN FAMILY AND KINDERGARTEN IN THE EDUCATION OF CHILDREN IN ROMANIA T.M. Băbuţ, L.A. Stan	5569
THE EFFECTIVENESS OF GAMIFICATION IN TEACHING ENGLISH TO STUDENTS OF NON-LINGUISTIC SPECIALITIES A. Zabolotskaya, O. Danilova	5577
LEARNING DESIGN THINKING MINDSET USING A DIDACTICAL METHOD MIX INCLUDING SERVICE LEARNING N. Ondrusch, T. Klemm, D. Herrmann	5583
SELF-ASSESSMENT METHODS USED IN PRESCHOOL EDUCATION. TEACHERS' PERSPECTIVE L.A. Stan, T.M. Băbuț	5591
SPIRAL DYNAMICS FOR UNDERSTANDING PERFORMANCE IN THE CLASSROOM: VIEWS FROM MILLENNIALS AND CENTENNIALS L.M. Cerdá Suárez	5598
STORIES OF YOUNG DROPOUTS: A SOCIAL SURVEY OF SUCCESS AND FAILURE S. Mateus	5606
PECULIARITIES OF COMPETENCE DEVELOPMENT IN PRESCHOOL TEACHERS WHO WORK WITH CHILDREN WITH ATTENTION, EMOTIONAL, OR DEVELOPMENTAL DISORDERS L. Dulksniene, G. Širvinskienė, D. Antinienė, A. Griciute, R. Kregzdyte, V. Asisi	5607
MIGRANT STUDENTS SUCCEEDING IN PORTUGUESE SCHOOLS: THE CASE OF	5615
BRAZILIAN MIGRANT CHILDREN S. Mateus, T. Seabra	
SOFTWARE TOOL FOR TRAINING ON SUPPLIERS RELATIONSHIP MANAGEMENT E. Mitan	5616
SPOTTING WEAKNESSES IN SPANISH ENGINEERING DEGREES VIA COMPETENCE VISUALIZATION R. Rios, R. Roman, C. Alcaraz, J. Lopez	5625
GENERIC SKILLS ASSESSMENT IN THE DUAL BACHELOR'S DEGREE IN LAW AND BUSINESS ADMINISTRATION AT UNIVERSITY OF ALMERIA E. Salmerón-Manzano, A. Alcayde García, A. Zapata, F. Manzano-Agugliaro	5630
INTENSIFICATION OF THE ENGLISH LANGUAGE TEACHING TO STUDENTS OF NON-LINGUISTIC SPECIALITIES A. Zabolotskaya, O. Danilova	5640
PRE-LITERACY OF PRESCHOOL CHILDREN IN ALTERNATIVE EDUCATION SYSTEMS IN THE CZECH REPUBLIC M. Žišková	5646
COVID-19 AND ENGINEERING EDUCATION – OUR RECOMMENDATIONS TO ENHANCE STUDENT ENGAGEMENT D. Stoyanova, S. Stoyanova-Petrova, N. Mileva, T. Dobreva	5653
AN UP-TO-DATE PERSPECTIVE OF THE INCLUSION OF SOCIALLY VULNERABLE PUPILS IN CZECH PRIMARY SCHOOLS J. Trávník	5657
NEEDS OF THE LEVELLING COURSE TO ACCESS TO UNIVERSITIES D. González-Peña, A. García-Rodríguez, M. García-Fuente, S. García-Rodríguez, D. Granados-López, M.I. Dieste-Velasco	5665
PERSONAL DATA AND INFORMATION SECURITY CHALLENGES IN SOCIAL WORK I. Zemaitaityte, O. Merfeldaite, A. Railiene, A. Katkoniene, M. Kalinauskas	5672
IS THE STUDENT'S DIFFICULTY PERCECTION RELATED TO THE PASS RATE AT THE FIRST COURSE OF THE UNIVERSITY? A. García-Rodriguez, S. García-Rodriguez, M. García-Fuente, D. Granados-López, D. González-Peña, C. Alonso-Tristán	5681
DESCRIBING THE ORGANIZATION OF STUDENTS' INDEPENDENT WORK IN THE COURSE DESCRIPTION AS A PREREQUISITE FOR EFFECTIVE LEARNING M. Burima	5688
LEARNING COMPUTER PROGRAMMING ONLINE: A SENTIMENT ANALYSIS R. Matthews	5695

TEACHING AND LEARNING COMPUTER PROGRAMMING BY CREATING 2D GAMES IN UNITY L. Végh, O. Takáč	5696
WHAT DOES A VIRTUAL REALITY SCENARIO REQUIRE FOR EFFECTIVE ANATOMY LEARNING? A SYSTEMATIC REVIEW T. González, C. Ibeas, I. Gravert, A. León, M. Rojas	5701
RELATIONSHIP BETWEEN PARTICIPATION IN FEDERATED SPORTS AND RISK OF SCHOOL FAILURE AND DROP-OUT A. Gené-Sampedro, A. Gené-Morales, J. Gene-Morales, J. A. García-Pérez, D. Palacios-Nevado	5710
MEASUREMENT INVARIANCE OF MOTIVATIONAL CONSTRUCTS FOR BALTIC COUNTRIES IN PISA 2018 S. Raižienė, L. Ringienė, A. Jakaitienė	5716
CONDITIONS FOR STUDENTS' SELF-ASSESSMENT OF ACHIEVEMENTS AND PROGRESS IN COMPREHENSIVE EDUCATION SCHOOLS A. Vaičiūnienė, A. Kazlauskiene	5717
CREATION OF 3D MODELS OF REAL OBJECTS IN THE TEACHING OF COMPUTER SCIENCE O. Takáč, L. Végh	5723
THE USE OF CHECKLISTS IN LABORATORY CLASS OF PHYSICS D.A. Perini, M. Queralt-Martín, M.L. Lopez, A. Alcaraz	5728
DISCURSIVE RECONSTRUCTION OF TEACHER'S PERFORMANCE IN THE PROCESS OF STUDENTS' SELF-ASSESSMENT OF LEARNING A. Vaičiūnienė, A. Kazlauskiene	5734
DIFFERENCES BETWEEN GENDER AND BIRTH MONTH ON THE GRADES OF SECONDARY EDUCATION STUDENTS A. Gené-Sampedro, J. Gene-Morales, A. Gené-Morales, D. Palacios-Nevado, J.A. García-Pérez	5744
UNDERGRADUATE NURSING STUDENTS' MORAL COURAGE IN CLINICAL SETTINGS B. Plisková, P. Snopek, A. Žourková	5749
OIL AND GAS PIPELINE MONITORING DURING COVID-19 PANDEMIC VIA UNMANNED AERIAL VEHICLE M.J.H. Al-Batthootti, I. Marin, N. Goga, R. Popa	5756
RAIL TRANSPORT AND THE NETWORK OF GREEN CORRIDORS AS FACTORS OF ENVIRONMENTAL QUALITY IN THE CITY: APPLICATION IN URBAN DESIGN STUDIO EDUCATION V. Joklova, K. Kristianova, J. Illes, A. Jaszczak	5766
STRATEGIES USED BY 11TH GRADE PORTUGUESE STUDENTS IN SOLVING MATHEMATICAL PROBLEMS L.G. Martins, M.H. Martinho	5772
A NEUROSCIENCE APPROACH REGARDING STUDENT ENGAGEMENT IN THE CLASSES OF MICROCONTROLLERS DURING THE COVID19 PANDEMIC I. Marin	5776
EXPERIENCES IN PYTHON PROGRAMMING LABORATORY FOR CIVIL ENGINEERING STUDENTS WITH ONLINE COLLABORATIVE PROGRAMMING PLATFORM Q. Cao, L.H.I. Lim, V. Dale, N. Tasler	5784
TECHNICAL ISSUES IN DISTANCE LEARNING DURING COVID-19 LOCKDOWN IN CROATIA A. Blažić, M. Mladenović, G. Zaharija	5792
WEBLAB-ARM: A SCALABLE, REPLICABLE, RELIABLE REMOTE LABORATORY FOR DISTANCE LEARNING OF ARM-MICROCONTROLLER-BASED EMBEDDED SYSTEMS A. Villar-Martínez, I. Angulo, L. Rodriguez-Gil, J. García-Zubía	5799
LEARNING OUTSIDE THE CLASSROOM: THE PEER-MENTORING MODEL IN THE EXPERIENCE OF RESEARCH EXERCISES E. Mattarelli, G. Vincenti, G. Szpunar, P. Sposetti	5809
PROFESSIONAL LEADERSHIP DEVELOPMENT FOR THE TVET SECTOR IN SOUTH AFRICA: LESSONS LEARNT FROM A BLENDED-LEARNING APPROACH S. Bester, T. Smit, M. Pienaar	5814
INFORMATICS TEACHER'S PERSPECTIVE ON DISTANCE LEARNING DURING COVID-19 LOCKDOWN IN CROATIA A Banguir M Mladenguir I Boliat	5815

QUANTITATIVE CHARACTERISTICS OF INTELLECTUAL PROPERTY OBJECTS IN UNIVERSITY INFORMATION ENVIRONMENT T. Trencheva, S. Dimitrova, S. Denchev	5822
COPYRIGHT IN THE MEDIA AS A NEW KNOWLEDGE IN THE UNIVERSITY ENVIRONMENT - RESULTS OF A SURVEY AMONG STUDENTS E. Zdravkova, G. Petkov	5832
TECHNOLOGY USED TO LEARN ABOUT OTHER CULTURE AND COUNTRIES P. Lane, R. Lafferty	5838
INTELLECTUAL PROPERTY POLICY AS A TOOL FOR PROMOTING AND ENHANCING INTELLECTUAL PROPERTY LITERACY T. Trencheva, S. Dimitrova, M. Lazarova	5839
RESEARCH OF COMMUNICATION TOOLS USED BY SECURITY MANAGERS DURING A PANDEMIC A. Velas, M. Boros	5849
RELATIONSHIP BETWEEN THE THEORY AND PRACTICE OF COPYRIGHT IN THE MEDIA INDUSTRY: A SHORT OVERVIEW E. Zdravkova, T. Trencheva	5854
DESIGN IDEAS FOR A LEARNING MATERIAL TO TEACH CODING TO CHILDREN WITH VISUAL IMPAIRMENT	5864
S.B. Kert, J. Read, T. Uğraş, M.F. Erkoç, F.C. Özçakır, İ. Berksoy, T. Tuncer, B. Cassidy, M.S. Zubair COLLABORATIVE TEACHING APPROACH AND PROBLEM-BASED LEARNING FOR THE AGILE BOOOTCAMP	5872
P. Fanta, D. Skokanová, L. Cupal STUDYING PUBLIC FINANCE ISSUES AT UNDERGRADUATE LEVEL	5877
G. Dubauskas INCLUSIVE PERCEPTIONS OF EARLY CHILDHOOD EDUCATION INTERS ABOUT PARENTS-TEACHERS RELATIONSHIPS IN TIMES OF COVID-19 CRISIS I. Levy, S. Tish, A. Peleg	5883
ORGANIZATION OF DISTANCE LEARNING ON THE DISCIPLINE "GENERAL PHYSICAL TRAINING" DURING THE PANDEMIC PERIOD OF THE ARCTIC STATE AGROTECHNOLOGICAL UNIVERSITY V. Bessonova, I. Druzynov, V. Alexandrova	5884
EDUCATION OF TALENTED HIGH SCHOOL STUDENTS BY DESIGNING RESEARCH IN ELEMENTARY PARTICLE PHYSICS N. Dzelalija, M. Dzelalija	5888
GEOGRAPHICAL INFORMATION SYSTEMS IN ARCHITECTURAL EDUCATION - SETTING TEACHING MODELS TO MEET THE REQUIREMENTS OF PRACTICE J. Illes, V. Joklova, K. Kristianova, A. Jaszczak	5893
MASTER STUDENTS' DISCUSSION ON THE BEST MEASUREMENT OF LOCAVORISM AS A CONSUMER BEHAVIOUR H. Brendel, V. Busselot, M. Chenevert, U. Weiss, P. De Lara Domingues Gomes, I. Lopes Duarte, A. Lopes Pacca, M. Gallarza	5897
THE ERASMUS+ PROGRAMME AS A GROWTH TOOL: ENRICHED LEARNING EXPERIENCES R. Franchino, C. Frettoloso, N. Pisacane	5905
USING TEACHING METHODS BASED ON VISUALIZING BY TINKERCAD IN TEACHING PROGRAMMING J. Udvaros, K. Czakóová	5913
WHAT MAKES A GREAT DIGITAL PITCH? THE ENTREPRENEURIAL PITCH FOR PRE- SEED PROJECTS: LESSONS FROM AND FOR ON-LINE PITCHING D. Ballart, A. Bikfalvi	5918
INFRARED THERMOGRAPHY AS A USEFUL TOOL IN ELECTRICAL ENGINEERING TRAINING N. Vakrilov, N. Kafadarova	5919
USING AUGMENTED REALITY IN HIGH SCHOOL EDUCATION – INITIAL INVESTIGATIONS INTO STUDENTS' INTRINSIC MOTIVATION AND LEARNING PERFORMANCE R. Mayer, S. Schlögl, T. Spieß, C. Ploder	5923
INDIGENOUS CULTURE AND INTEGRATING INDIGENOUS CULTURAL VALUES INTO THE GENERAL EDUCATION CURRICULUM FOR SCHOOLS IN VIETNAM D.D. Ha, T.H.M. Dao	5930

THE IMPORTANCE OF THE PRE-SCHOOL EDUCATIONAL INSTITUTION'S LEARNING ENVIRONMENT IN A CHILD'S DEVELOPMENT D. Apele, E. Kotāne	5936
THE EVALUATION OF TASK-BASED LANGUAGE TEACHING AT ENGLISH CLASSES BY UNIVERSITY FACULTY A. Lazareva, L. Kovtun, Y. Zakirova	5946
EVALUATION OF THE EDUCATIONAL PROGRAMME "COMPETENCIES FOR LEADING A SUCCESSFUL SCHOOL" A. Opletalová, J. Suchánek, T. Lípová	5952
THE EFFECTIVENESS OF A VARIETY OF TEACHING TECHNIQUES AND PROCEDURES AIMED AT ACHIEVING REFERENCE LEVEL B1 IN ENGLISH AT A SECONDARY TECHNICAL SCHOOL M. Zajacová	5962
EVALUATING THE RELEVANCE OF LEARNING OUTCOMES USING INDUSTRY-BASED ASSESSMENT S. Guidera	5973
RELATIONSHIP BETWEEN CONFORMITY AND RISK BEHAVIOR IN CHILDREN IN EMERGING ADOLESCENCE S. Dobesova Cakirpaloglu, T. Čech, M. Krajňáková	5979
HIT BUT NOT OVERWHELMED. A MODEL TO CAPTURE THE EFFICACY OF DISTANCE LEARNING: THE REPORT FROM REGIONE LIGURIA (ITALY) A.M. Sugliano, M. Cavallini	5988
ONLINE ESCAPE GAMES AS AN EDUCATIONAL TOOL P. Ambrožová, M. Kaliba	5998
SKILLS REQUIRED FOR THE INDUSTRY 4.0 AFTER COVID-19 K. Ferreira Santos, A.P.B. Garcez, R. Moreira da Silva, J. Aires Moreira, C.E. Barbosa de Lima, P.V. Leitão Moreira, J.M. da Silva Neto, R.D. Paulino, A.P. Moraes Ventura, F.B. Charrua-Santos	6004
PERFORMANCE OF EDUCATION SYSTEMS OVER TIME OF EUROPEAN COUNTRIES IN THE LIGHT OF EUROPE 2020 STRATEGY A. Camanho, F. Barbosa, D. Stumbriene, A. Jakaitiene	6010
NONFORMAL PEDAGOGICAL ROLES OF UNIVERSITY TEACHERS: ORIENTATION TO STUDENTS' SUCCESS S. Pankova	6011
HUMANIZING SMART CITIES - LISBON CASE STUDY B. Lourenço, A. Oliveira	6015
A TOOL FOR DIGITAL COMPETENCE DIAGNOSTIC ASSESSMENT BASED ON DIGCOMP 2.1 A.M. Sugliano, G. Carmeci	6023
IDENTIFYING COMMUNITIES OF PRACTICE IN LEARNING ANALYTICS AND EDUCATIONAL DATA MINING USING TOPIC MODELLING AND SOCIAL NETWORK ANALYSIS	6033
J. Gusić Munđar, S. Rako, D. Šimić, B. Šlibar	
LEARNING ACTIVITIES FOR THE DEVELOPMENT OF TRANSVERSAL COMPETENCE "ETHICAL, ENVIRONMENTAL AND PROFESSIONAL RESPONSIBILITY" AMONG ENGINEERING STUDENTS M.J. Luján-Facundo, E. Ferrer-Polonio, P. Fuentes-Durá	6040
THE THEME OF ANXIETY, FEAR AND SADNESS IN CHILDREN LITERATURE FOR AND ITS DIDACTIC APPLICATION IN LITERATURE LESSONS AT PRIMARY SCHOOLS P. Bubenickova	6045
DEGREE OF ACCEPTANCE OF FLIP TEACHING METHODOLOGY AMONG THE STUDENTS OF THE WATER ENGINEERING SUBJECT IN THE BACHELOR OF ELECTRONICS AND AUTOMATION ENGINEERING M.J. Luján-Facundo, E. Ferrer-Polonio, P. Fuentes-Durá	6051
CHALLENGES OF ONLINE COLLABORATIVE LEARNING IN MULTICULTURAL GROUP L. Kovtun, E. Chilikina, A. Lazareva	6057
BASIS OF STRUCTURE FROM MOTION SURVEY. AN ITALIAN EXPERIMENTAL DIDACTIC APPROACH AT THE FIRST YEAR BACHELOR IN ARCHITECTURE U. Zich, M. Pavignano, M. Di Salvo	6062
AN INTERACTIVE ALGORITHM APPLET FOR LAW STUDENTS T. Medina-Arnáiz	6072

USE OF DIGITAL EDUCATIONAL MATERIALS BY HIGH SCHOOL STUDENTS A. Pongrac Pavlina, K. Pavlina, I. Bračević	6077
THE LEARNING PROCESS OF STUDENTS IN CREATING VIDEO AS AN EXAM FORMAT IN HIGHER EDUCATION – AN EVALUATION IN AN ECONOMICS COURSE P. Khenkitisack, E. Reidt	6086
AN OPTICS VIRTUAL LAB EXPERIMENT: DETERMINING THE FOCAL LENGTH OF A LENS USING BESSEL'S METHOD N.A. Cordero, T. Medina-Arnáiz	6095
ONLINE SEMINARS FOR DEVELOPING ENGLISH ORAL PRESENTATION SKILLS OF ENGINEERING UNDERGRADUATE STUDENTS I. Ozola	6103
TEACHING METHODS AND TECHNIQUES USED DURING ONLINE LITERATURE LESSONS IN THE SLOVAK REPUBLIC J. Hrinak	6108
THE PROMISES TO A BLACK CHILD B. Busuku, R. Moodley	6113
ARCHITECTURAL SURVEY DURING AN ONLINE SEMESTER. AN ITALIAN EXPERIMENTATION U. Zich, P. Piumatti, M. Pavignano, O. Bucolo, R. Covino, P. Merlo, D. Miron, M. Zigante	6120
A DISTRIBUTED APPROACH TO REVERSE A TRAILER – A WAY TO ENABLE DISTANCE LEARNING AND COLLABORATION S. Rönnbäck	6129
STUDY OF THE INNOVATIVE ACTIVITY OF THE ENTERPRISES FROM SOUTHERN BULGARIA, DEPENDING ON THEIR DEVELOPMENT PHASE M. Baltov, E. Nikolova, V. Zhecheva	6130
DO CHILDREN USE MEDIA DIFFERENTLY IN PANDEMIC TIMES? MEDIA USE AND PARENTAL MONITORING AMONG CZECH CHILDREN IN THE AGE 6 – 15 L. Stašová, I. Junová, P. Ambrožová, J. Krejčová	6138
COVID19: DISTANCE LEARNING IN TIMES OF CRISIS (FROM FACE-TO-FACE TO REMOTE LEARNING) P.V. Leitão Moreira, K.F. Santos, F.B. Charrua-Santos, A.P. Moraes Ventura, C.E. Barbosa de Lima, J.M. da Silva Neto, J. Aires Moreira, R.D. Paulino, A.P.B. Garcez, R. Moreira da Silva	6146
LEARNER-CENTERED CURRICULUM DEVELOPMENT: ENGLISH FOR RESEARCH PROFESSIONALS I. Ozola, T. Sinkus, D. Grasmane	6152
LESSONS LEARNED? ACHIEVEMENTS AND CHALLENGES OF VIRTUAL TEACHING AT UNIVERSITIES U. Reisach, A. van Kempen	6157
MATHEMATICAL DIFFICULTIES OF FIRST YEAR UNIVERSITY STUDENTS F. Sánchez Lasheras, M.J. Fernández Gutiérrez	6167
MATHEMATICAL LEARNING IN A VIRTUAL ENVIRONMENT: THE ROLE OF GROUP WORK IN SOLVING PROBLEMS R. Tomás Ferreira, A.R. Mendes	6172
INTEGRATING VISUAL ARTS IN THE TEACHING AND LEARNING OF ENGLISH FIRST ADDITIONAL LANGUAGE L. Nohayi, N.P. Caga	6183
AUTOMATIC SPEECH RECOGNITION TECHNOLOGY AND READING SKILL DEVELOPMENT IN PRIMARY SCHOOL Y. Bai, C. Tejedor-García, F. Hubers, C. Cucchiarini, H. Strik	6188
ON THE POSSIBILITIES OF MONITORING AND IMPROVING THE STATUS OF GENDER EQUALITY AT THE UNIVERSITY T. Corejova, M. Rostasova, V. Meskova, A. Valicova	6196
PRACTICE EXPLORATION PROJECT (PEP) AS AN INSTRUMENT FOR AUTONOMOUS TEACHER TRAINING AND EFFECTIVE FOREIGN LANGUAGE LESSON DESIGN O. Satkovskaia	6202
EXPERIENCES OF TEACHER TRAINING STUDENTS WITH SELECTED CYBER THREATS AS AN ASPECT OF DIGITAL COMPETENCE DEVELOPMENT M. Knytl	6203
ANALYSIS OF THE LEVEL AND FORM OF FORMATIVE ASSESSMENT IN ONLINE CLASSES OF THE PRIMARY AND LOWER SECONDARY SCHOOL IN THE CZECH REPUBLIC	6211
J. Suchánek, J. Nábělková, M. Škultéty, T. Lípová, L. Pilátová	

CO-CREATION AND CO-GOVERNANCE PEDAGOGY IN THE DESIGN STUDIO: BRIDGING ACROSS RESEARCH AND EDUCATION C. Panayi, N. Charalambous	6219
ETHICAL DIMENSIONS IN MANAGERIAL STUDY PROGRAMS T. Corejova, M. Rostasova, B. Misikova, A. Valicova	6228
DATA ANALYTICS TO IMPROVE AND OPTIMIZE UNIVERSITY PROCESSES S. Gaftandzhieva, R. Doneva	6236
INNOVATIVE MATERIALS IN TECHNOLOGY TEACHING: TRAINING APPROACHES AND DESIGN EXPERIMENTS R. Franchino, C. Frettoloso	6246
SHALL WE REVIEW THE SUBJECT PLAYING? A GAMIFICATION-BASED TEACHING EXPERIENCE WITH A SPACE RACE CHALLENGE WITH SOCRATIVE D. Mayorga-Vega, C. Casado-Robles, S. Guijarro-Romero	6251
AN IMPLEMENTATION OF MODERN ICT PROGRAMMES IN ONLINE LITERATURE TEACHING J. Hrinak	6258
AGING AND THE IMPACT OF PERMANENT EDUCATION ON THE QUALITY OF LIFE OF THE ELDERLY M.L. De Andrade Picanço Meleiro, J. Eduardo Noro, N. Picanço de Medeiros da Silva	6264
ENGLISH LANGUAGE PROFICIENCY IN ENGINEERING EDUCATION: AN INDIAN PERSPECTIVE A.R. Joshi, H.J. Joshi	6273
TEACHING VOLTAGE STABILIZERS VIA INTEGRATED ENVIRONMENTS FOR DESIGN AND ANALYSIS V. Raydovska	6274
EFFECTIVENESS OF MICROSOFT TEAMS AS A FORMATIVE ASSESSMENT TOOL AND IMPROVING STUDENT ENGAGEMENT IN ONLINE CLASSROOM C. Mohd Jayothisa, R. Ahmad, S. Sarip	6283
THE NEEDS OF THE FUTURE SOCIETY 5.0: A CHALLENGE J.G. Cardoso da Silva, F.B. Charrua-Santos, M. Franco, K.F. Santos, A.P.B. Garcez, J. Aires Moreira, R. Moreira da Silva	6290
PHOTOVOICE ONLINE: LEARNING THE TECHNIQUE THROUGH THE REMOTE MODE I. Coppola, N. Rania, L. Pinna	6296
THE PROVISION OF TUTOR SUPPORT SERVICE DURING COVID-19 PANDEMIC LOCKDOWN AT AN OPEN DISTANCE LEARNING HIGHER EDUCATION INSTITUTION C.H.S. Ntuli, M.T. Gumbo	6303
TEACHERS' EXPERIENCES GAINED DURING THE SECOND WAVE OF THE COVID-19 PANDEMIC S. Barnová, S. Krásna, G. Gabrhelová, J. Dušek	6312
SIMULATION TOOLS AS SUPPORT TO ONLINE TEACHING IN VOCATIONAL TRAINING	6317
D. Ferrández, C. Morón, M. Álvarez, P. Guijarro CHALLENGES TO CHILDREN'S LEARNING AND EDUCATION DURING THE COVID- 19 PANDEMIC: PERSPECTIVES OF IMMIGRANT PARENTS IN TORONTO S. Guruge, S. Sidani, P. Lamaj, E. Leung, C. Lee, J. Altenberg, A. Ssawe, C. Ronquillo	6323
THE ATTITUDE OF ACADEMIC STAFF TO THE GLOBAL ECONOMIC AND SOCIAL RISKS OF INDUSTRY 4.0 O. Koropets, A. Fedorova	6324
PRO(G)NATURA: PROGRAMMING LANGUAGE AND CURRICULUM DEVELOPMENT FROM THE FREE INITIATIVE OF CHILDREN IN NATURE 1. Duque, R. Almeida, M. Migueis, M.E. Bigotte de Almeida	6329
CZECH UNIVERSITY TEACHERS' PERSPECTIVES ON THE 2020 PANDEMIC H. Pavlisova	6339
AWAKENING THE INTEREST IN COMPUTER SCIENCE THROUGH THE USE OF ARDUINO - A CASE STUDY WITH HIGH SCHOOL GIRLS G. O. Mattos, J. Aires Moreira, R. A. Medeiros, A. F. Aragão, T. G. M. Andrade, L. L. A. O. Campos, M. L. M. Calixto, V. G. L. Pessoa	6348
DECISION MAKING AND EDUCATIONAL SCENARIOS AT THE END OF MANDATORY FORMAL EDUCATION L. Racalda Ecnoz, D. Farrández, C. Morán, F. Vadra	6353

A SITUATED LEARNING APPROACH TO BUILD RELATIONSHIPS BETWEEN UNIVERSITIES AND INDUSTRY TO DEVELOP A COMPETENT WORKFORCE D. Hamman-Fisher, V. McGhie	6360
OPINIONS OF FOREIGN LANGUAGE UNIVERSITY STUDENTS IN CROATIA ON THE ONLINE EDUCATION IN THE TIME OF COVID 19 PANDEMIC - POSSIBLE FUTURE APPLICATIONS A.M. Velicki	6370
TRAINING OF THE PRE-RETIREMENT AGE EMPLOYEES: ORGANIZATIONAL MANAGEMENT OBJECTIVES E. Shirokova	6376
A VISUAL NOVEL GAME FOR ACADEMIC MALPRACTICE F. Seib, B. Parsia	6381
HEALTH AND SAFETY OF THE UNIVERSITY COMMUNITY IN THE FACE-TO-FACE TEACHING MODALITY J.A. Martínez, F.J. Valls, P.A. Díaz, L. Tomás, J. Roldán, M. Galiana, E. González, R. Megías, N. Rosa, M.J. Climent, D. Maestre, J.E. Segura, R. Ruiz	6391
TEACHING FOR CREATIVITY IN THE PRIMARY CLASSROOM: THE PERCEPTIONS OF PRE-SERVICE AND PRACTISING SCHOOL ENGLISH LANGUAGE TEACHERS T. Harakchiyska	6396
PARTICIPATION IN CULTURAL AND SOCIAL EVENTS AS A PART OF THE RUSSIAN LANGUAGE ACQUISITION BY FOREIGN STUDENTS AT DAUGAVPILS UNIVERSITY I. Oļehnoviča, D. Oļehnovičs	6405
FORMATION OF INDIVIDUAL EDUCATIONAL TRAJECTORY TAKING INTO ACCOUNT STUDENTS' COGNITIVE STYLES N. Goncharova, L. Daineko, V. Larionova	6410
HIGH SCHOOL STUDENTS: THEIR EVALUATION OF EDUCATIONAL SUCCESS E. Shuklina, E. Shirokova	6419
THE IMPACT OF ENGLISH FOR SPECIFIC PURPOSES ON LANGUAGE ACQUISITION IN VOCATIONAL EDUCATION J. Milanová, J. Bérešová	6424
"LEARN RUSSIAN IN THE EU": TEACHING RUSSIAN TO FOREIGN STUDENTS WITHIN THE FRAMEWORK OF SPECIFIC STUDY COURSES I. Oļehnoviča, D. Oļehnovičs	6430
RETROSPECTIVE COMPARATIVE ANALYSIS OF STUDENT PERFORMANCE BEFORE AND DURING THE PANDEMIC L. Daineko, N. Goncharova, V. Larionova	6434
ENGLISH AS A LINGUA FRANCA IN A BILINGUAL/MULTILINGUAL CLASS: CASE STUDY OF STUDENTS LEARNING SWEDISH WHOSE MOTHER TONGUE IS OTHER THAN ENGLISH J. Tretjakova, I. Oļehnoviča	6441
CONSTRUCTION SITE MANAGEMENT IN TEACHING PROCESS M. Spišáková, P. Mésároš, P. Kaleja, T. Mandičák	6447
PRE-SERVICE TEACHERS' PERCEPTIONS TOWARD TEACHING STEM IN THE INTERMEDIATE PHASE W. Engelbrecht	6453
ACADEMIC TEACHERS' VALUES - POLISH AND INTERNATIONAL PERSPECTIVE R. Ulatowska, M. Barłóg	6459
CONNECTION BETWEEN DISCIPLINARY SOCIAL NETWORKS, AN EXPERIENCE IN ONLINE PRACTICES IN PSYCHOLOGY J.M. Meza-Cano	6466
CAPABILITIES AND FAIRNESS – AN ETHICAL CORONA-COUNTRY-REPORT FOR POST-PANDEMIC DIGITALIZATION IN GERMAN HIGHER EDUCATION M. Rath, P. Maisenhölder, L. Hartmann	6473
DEVELOPMENT OF A MOBILE TEXTBOOK USING AUGMENTED REALITY TECHNOLOGY FOR STUDYING PHYSICS Y. Daineko, A. Seitnur, D. Tsoy, M. Ipalakova, R. Sharshova	6481
GLOBAL DEVELOPMENT TRACKS AND A NEW PARADIGM OF THE UNIVERSITY IN THE ERA OF TRANSFORMATION O. Tomyuk, A. Diachkova, A. Novgorodtseva	6487
DEVELOPING A SELF-PACED ONLINE COURSE FOR GENDER-BASED VIOLENCE PREVENTION EDUCATION: PROCESS AND LESSONS LEARNED R. Cendros Araujo, D. Carr	6497

ESP ASSESSMENT DURING DISTANCE EDUCATION: DIFFERENCES IN HIGHER SECONDARY AND TERTIARY EDUCATION IN SLOVAKIA J. Milanová, A. Barnau, N. Ferková	6505
NOT ANOTHER ONLINE EDUCATION APPLICATION A. Indries, N. Bara, C.E.N. Gal-Chis	6511
EDUCATIONAL PRACTICES OF UNIVERSITY STUDENTS: LINEAR AND NONLINEAR PATHS OF SUCCESS S. Pankova	6522
SHARED AND VIRTUAL CHEMISTRY LABORATORIES FOR DISTANCE EDUCATION V. Stoffova, M. Zboran	6526
COUNTME – AN EDUCATIONAL SERVICE MANAGEMENT TO SUPPORT STUDENT COACHING BEYOND THE CLASS N. Bara, A. Indries, C.E.N. Gal-Chis	6532
ASSESSMENT AS LEARNING: TRANSFORMING PRACTICES WITH SECONDARY SCHOOL TEACHERS P.G. Rossi, L. Giannandrea, F. Gratani, C. Laici, A. Tarantino, G. Paviotti	6543
IMPLEMENTATION OF BOLOGNA PROCESS TOOLS IN THE TECHNOLOGY OF EDUCATION IN SECONDARY VOCATIONAL SCHOOLS A. Niyazgulova, N. Ibragimov, G. Zakirova, Y. Daineko, D. Tsoy, A. Seitnur	6552
HOW TO PREVENT PLAGIARISM WHEN WRITING FINAL AND QUALIFICATION THESES V. Stoffova, J. Stoffa	6563
FROM THE REAL TO THE VIRTUAL WORLD: TRANSITION EXPERIENCES OF A COMPUTER SCIENCE TEACHING PROJECT IN THE CONTEXT OF THE COVID-19 PANDEMIC J. Aires Moreira, T. G. M. Andrade, L. L. A. O. Campos, G. O. Mattos	6569
WHY IT IS SO HARD TO CHOOSE A GOOD OPEN PROBLEM FOR COOPERATIVE WORK IN PRIMARY MATHEMATICS EDUCATION? T. Berta, Z. Árki	6576
THE NEED OF RUSSIAN REGIONS FOR EMPLOYEES WITH EDUCATION IN SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS O. Koropets, E. Tukhtarova, A. Fedorova	6581
CODE SMELLS AS A FRAMEWORK FOR AUTOMATED FEEDBACK FOR NOVICE PROGRAMMERS N. Laundry, D. Nikitenko, D. Gillis, J. McCuaig	6587
METHODOLOGICAL TRAINING OF FUTURE TEACHERS OF PHYSICS TO WORK WITH EXPERIMENTAL TASKS FOR FIGURATIVE-SENSORY IDENTIFICATION OF PHYSICAL QUANTITIES M. Dammer, V. Kudinov, E. Chabaeva	6596
THE IMPORTANCE AND PLACE OF CREATIVITY IN SOCIAL WORK M. Tvrdoň, R. Králik, T. Máhrik	6606
BUILDING A SENSE OF COMMUNITY IN A NEUROSCIENCE UNDERGRADUATES' COHORT DURING THE COVID19 PANDEMIC: LESSONS LEARNT AND TO BE LEARNT A. Battaglia	6612
POST-COVID CHALLENGES FOR SOCIAL WORK M. Tvrdoň, R. Králik, T. Máhrik	6617
INDUSTRIAL REAL-TIME DIGITAL TWIN SYSTEM FOR REMOTE TEACHING USING NODE-RED M. Melo de Carvalho, I. Valente de Bessa, G. Soprano Machado, R.L. Paiva de Medeiros, V. Ferreira de	6623
Lucena Jr ENGLISH ACCENT PREFERENCES OF EFL LEARNERS H. Vancova	6633
USING AUTOMATIC SPEECH RECOGNITION FOR PRONUNCIATION TRAINING – THE RECENT PRACTICES H. Vancova	6634
DISTANCE LEARNING OF FOSTER CHILDREN IN PRIMARY AND SECONDARY EDUCATION DURING COVID 19 PANDEMIC B. Plisková	6640
THE USE OF DIGITAL TECHNOLOGIES IN PRIMARY SCHOOL LESSONS M. Goga, G. Dumitrache	6645

BULGARIAN TEACHER'S PROFESSIONAL ROLES IN ON-LINE EDUCATION N. Kaloyanova	6651
MULTIFUNCTIONAL USE OF VIRTUAL REALITY AS A SUPPORT TOOL FOR DISTANCE LEARNING J. Kaščak, M. Kočiško, J. Török	6663
ONLINE ASSESSMENT IN SECONDARY SCHOOLS DURING THE COVID-19 PANDEMIC M. Goga, A.C. Matei	6669
THE EDUCATIONAL NEEDS OF YOUTH FOR ONLINE SOCIAL PARTICIPATION M. Pevnaya, A. Kulminskaya, E. Pevnaya	6675
IMPLEMENTATION OF THE PRINCIPLES OF OBSTACLE DETECTION WITH THE HELP OF IROBOT ROOMBA IN THE TEACHING OF COMPUTER SCIENCE O. Takáč, J. Udvaros	6682
"I LEARN ALL LIFE": NON-FORMAL EDUCATION IN OLDER AGE AS A KEY ELEMENT OF CONSTRUCTIVE AGING M. Pevnaya, T. Kienko	6688
DIGITAL TRANSFORMATION IN HIGHER EDUCATION: THE UOC CASE M. Romero, T. Romeu, M. Guitert, P. Baztán	6695
UNIVERSITY DISCOURSE ON COVID-19 AND VACCINATION IN RUSSIA AND UK: COMPARATIVE ANALYSIS N. Simakov	6704
RELATIONSHIP BETWEEN SUBJECTIVE WELL-BEING AND PERCEPTION OF DAILY STRESS R. Volkova, M. Volk, S. Yarushevsky	6707
RECONCEPTUALISING TRANSLANGUAGING PRACTICES FOR MINORITY LANGUAGE IMMERSION EDUCATION: IMPLICATIONS FOR TEACHER EDUCATION AND CURRICULUM DESIGN T. Ó Ceallaigh, A. Ní Chonchúir	6712
SOCIAL NEEDS OF PUPILS WITH SPECIAL EDUCATIONAL NEEDS AND THEIR PERCEPTION OF THE CLASS CLIMATE IN SLOVAKIA DURING THE COVID-19 PANDEMIC T. Dubayova, E. Chovanova, A. Spisakova	6717
CREATING A PEDAGOGICAL PROPOSAL USING INFOGRAPHICS TO TEACH STEREOCHEMISTRY A. Grunewald Nichele, K. Silva dos Santos Moraes, F. Nunes da Silva	6722
INTERACTIVE 3D MODELS FOR THE TEACHING OF USERS WITH SEVERE VISUAL IMPAIRMENTS A. Vondrakova, V. Vozenilek, R. Barvir, J. Brus, V. Ruzickova	6727
SELF-EFFICACY AND STUDENTS' MOTIVATION FOR LEARNING. GENERAL LANDMARKS V. Anghelache	6728
CREATIVE ACTIVITY AS A FACTOR IN PSYCHOLOGICAL HEALTH S. Yarushevsky, M. Volk, R. Volkova	6735
SOCIAL BACKGROUND AND ADULT LEARNING V. Anghelache	6739
A PILOT STUDY TO INFORM THE PIVOT FROM AN IN-PERSON TO A VIRTUAL POSITIVE PSYCHOLOGY WORKSHOP J. O'Mullane, K. O'Sullivan, D. O'Sullivan, L. Fanning	6746
EDUCATION CHALLENGES DUE TO COVID-19: ADVOCATING THE STUDENTS' VIEWS FROM PORTUGAL, ANGOLA, TIMOR-LESTE, AND BRAZIL I. Monteiro, B. Sabino, C. Baptista, H. Oliveira, L. Almeida, T.S. Dias	6756
SUBJECTIVE PERCEPTION OF LIFE AND HEALTH PROTECTION COURSES BY STUDENTS AND POSSIBILITIES OF THEIR INNOVATION F. Lenko, A. Velas, R. Lenková, V. Šoltés	6765
APPLYING THE AUTOMATIONML TOOL TO IMPROVE THE STUDENTS' SKILLS IN AUTOMATION	6771
M. Souto Maia, R. da Silva Mendonça, M. Melo de Carvalho, V. Valente de Bessa, R.L. Paiva de Medeiros, V. Ferreira de Lucena Jr	
HOW CAN WE IMPROVE COMMUNICATION SKILLS IN ECONOMICS? A SECONDARY EDUCATION CASE STUDY T. Dias do Vale. F. Urauía Grande	6779

THE RELATIONSHIP BETWEEN PROBLEMATIC INTERNET USE AND LIFE SATISFACTION IN UNIVERSITY STUDENTS: A SYSTEMATIC REVIEW J. Dočkalová, J. Kvintová, I. Plevová, S. Dobešová Cakirpaloglu	6788
PATTERNS OF ACADEMIC SUCCESS: DATA-DRIVEN TYPOLOGY OF UNIVERSITY STUDENTS' APPROACHES TO LEARNING, MOTIVATION, AND ACADEMIC ACHIEVEMENT	6798
L. Juhaňák, K. Brücknerová	
BACKGROUNDS AND CHALLENGES IN DESIGNING THE PRE-SERVICE PHYSICS TEACHERS' EXPERIENTIAL CAMP V. Haverlíková	6807
EDUCATIONAL AFFORDANCES IN A FRAMEWORK USING COMPUTER SUPPORTED COLLABORATIVE LEARNING FOR INNOVATIVE TEACHING AND LEARNING IN HIGHER EDUCATION F. Paraskeva, V. Karampa, I. Christolouka, K. Kampoli	6811
TO STRIKE THE RIGHT CHORD: ABOUT THE COMMUNICATIVE EXPECTATIONS OF TOP STUDENTS AND HIGH POTENTIALS G. Boehncke	6822
IDEAS OF STUDENTS OF DIFFERENT AGES ABOUT HEAT AND THERMAL PHENOMENA V. Haverlíková, M. Talianová	6830
STRATEGIC RESPONSE OF UNIVERSITIES TO CRISIS CONTEXTS: TRANSFER OF COMMUNICATION AND MANAGEMENT OF THE ACADEMIC BRAND FROM OFFLINE TO ONLINE, IN THE CONTEXT OF THE COVID-19 PANDEMIC L. Irimies, C. Irimies, E. Mesaros	6836
STRATEGIES AND METHODS OF SOCIAL COMPETENCE DEVELOPMENT IN TEACHER TRAINEES S. Barnová, Z. Geršicová, G. Gabrhelová, S. Krásna	6846
CASA CHIARAVALLE: AN AUTO-CONSTRUCTION DESIGN WORKSHOP FOR THE DEVELOPMENT OF LIVING ENVIRONMENTS FOR PEOPLE WITH DEMENTIA S.M. Gramegna, A. Biamonti	6851
VIRTUAL SPACE OF THE LIBRARY IN THE CONDITIONS OF DIGITAL TRANSFORMATION S. Khrushch, O. Chaikovska, V. Volynets, V. Kushnarov	6859
TRENDS IN DEVELOPMENT OF PROFESSIONAL ROLES AND COMPETENCES OF BULGARIAN PRESCHOOL TEACHERS N. Kaloyanova, Z. Dimitrova	6867
INTERSECTIONALITY AND ITS IMPACT ON CHILDREN'S MEDIA LITERACY DEVELOPMENT: HOW GENDER IMAGES AND CULTURAL PREFERENCES INFLUENCE EDUCATIONAL OPPORTUNITIES OF TURKISH KINDERGARTEN KIDS R. Tkotzyk, G. Marci-Boehncke	6878
INEQUALITIES IN ACCESS TO EDUCATION: A SOCIO-EDUCATIONAL INTERVENTION WITH MIGRANT CHILDREN AND YOUTH I. Casquilho-Martins, T. Matela	6888
FACTORS THAT PROVOKE BURNOUT OF CHEMICAL ENGINEERING STUDENTS IN UNIVERSIDAD JUÁREZ AUTÓNOMA DE TABASCO S.G. Gomez Jimenez, A.C. Lizardo Perez, A. Pulido Tellez, R. Rodriguez Bastarmerito	6896
THE PROCESS FROM TEACHING TO ASSESSING STUDENTS' DESIGNERLY AND CREATIVE WAYS OF WORKING IN HIGHER EDUCATION H. Hautopp	6906
INTERVENTIONS THAT ENABLE THE TEACHING OF COMPUTATIONAL THINKING M. Muilu, J. Pawlowski, D. Dimitrakopoulou, M. Pilv, K. Clements, M. Idzik	6925
EVALUATION OF THE IMPLEMENTATION AND CONTENT OF LIFE AND HEALTH PROTECTION COURSES AT SECONDARY SCHOOLS R. Lenková, D. Dzugas	6931
QUALITATIVE APPROACH TO THE INTERPRETATION OF ONLINE ASSESSMENT AND GRADING: PERSPECTIVES OF UNDERGRADUATE STUDENTS OF PROFESSIONAL STUDIES I. Jemric Ostojic, N. Jurina Babovic, T. Tolnauer - Ackermann	6936
STUDENT RELATIONS DURING DISTANCE LEARNING	6943
M. Bartón R. Illataruska F. Boszkaruska W. Buda R. Lignosz T. Rachgoalski	0710

DESIGN OF AN OPTICAL NAVIGATION MODEL AND ITS REAL IMPLEMENTATION IN COMPUTER SCIENCE LESSONS O. Takáč, K. Czakóová	6951
CAUSES OF DROPOUT IN THE UNIVERSIDAD JUAREZ AUTONOMA DE TABASCO FROM ARCHITECTURE DEGREE A.C. Lizardo Perez, S.G. Gomez Jimenez, A.R. Pulido Tellez, F.J. Martinez Romero	6956
ONLINE LEARNING READINESS – DETERMINING KEY FACTORS THAT DISTINGUISH UNIVERSITY STUDENTS WHO FEEL COMFORTABLE WITH ONLINE STUDIES K. Berkling, D. Saller, C. Winter	6962
ONLINE COLLABORATIVE INNOVATION ACTIVITY IN VIRTUAL ENVIRONMENT M. Fratu, D. Rosu	6971
IMPLEMENTING ITALIAN UNIVERSITY STUDENTS' MEANIN-MAKING AWARENESS THROUGH THE ONLINE ANNOTATION OF THE HOUSE MD CORPUS C. Arizzi	6976
THE IMPORTANCE OF INTERNATIONAL STUDENTS: A CASE STUDY J. Fernandes, E. Esteves, S. Esteves	6984
A BOTTOM-UP APPROACH FOR FACULTY DEVELOPMENT: A LATENT CLASS ANALYSIS ON TEACHING INNOVATIVE PRACTICES AND NEEDS FOR IMPROVEMENT	6992
O. Paccagnella, D. Aquario, L. Da Re, A. Serbati	
QUALITY MANAGEMENT IN THE HARMONISATION OF EDUCATIONAL STRUCTURES AND LEARNING OUTCOMES AT ENHANCING COMPETENCE REQUIREMENTS IN HIGHER EDUCATION O. Sedlak, Z. Ciric, D. Stojic, A. Marcikic Horvat, B. Radovanov	6998
FROM FACE-TO-FACE TO CYBERSPACE TO POSTDIGITAL: TAKEAWAYS FROM EMERGENCY ONLINE TEACHING OF PROFESSIONAL ENGLISH WRITING SKILLS IN HIGHER EDUCATION M. Bowles, E. Thornquist	7005
ENSURING FIRST-YEAR STUDENTS' WELL-BEING IN A TIME OF CRISIS: TOWARDS A PEDAGOGY OF CARE L. Ndesi, V. McGhie	7015
NON-NATIVE ACADEMIC ENVIRONMENT: CHALLENGES FOR PRE-UNIVERSITY TRAINING OF UNDERGRADUATES AND PRE-RESIDENTS G. Myers, N. Pomortseva, M. Kunovski	7025
ERASMUS + EXPERIENCED BY STUDENTS AND TEACHERS OF A SECONDARY TECHNICAL SCHOOL M. Zajacová, V. Brath, Ľ. Gergelyová	7032
INTERNATIONAL PARTICLE PHYSICS MASTERCLASSES – GROWING IN SCOPE I. Melo	7036
MAPPING THE CONTEXT-SENSITIVE COMPETENCIES FOR A GLOBALIZING WORKFORCE: EXAMPLES FROM ARCHITECTURE AND URBAN PLANNING EDUCATION	7044
M. Tasheva-Petrova, V. Zlatinova-Pavlova	
INVESTMENT IN HIGHER EDUCATION INNOVATION AND RESEARCH Z. Ciric, O. Sedlak, J. Eremic Djodjic, A. Marcikic Horvat, D. Stojic	7055
SCHOOL LEARNING PRACTICES UNCHANGED FOR DECADES: AN OBSTACLE FOR CURRICULUM REFORM IMPLEMENTATION S. Lazdina	7062
DEVELOPMENT OF PROFESSIONAL SKILLS IN THE BASIC MECHANICAL INSTALLATIONS COURSE WITH THE INCORPORATION OF NEW THERMAL REGULATIONS FOR BUILDINGS L.M. López-Ochoa, C. García-Lozano, J. Las-Heras-Casas, C. Míguez-Álvarez	7071
TEACHERS' CONCEPTIONS AND PRACTICES ON THE HISTORY OF MATHEMATICS IN TEACHING AT 5TH AND 6TH GRADES IN PORTUGAL A.P. Martins, H. Gomes, H. Pinto, A. Ribeiro, T. Costa Clain, C. Costa, L. Menezes	7078
DIGITAL COMPETENCE TRAINING IN UKRAINE: THE DCOMFRA PROJECT EXPERIENCE O Chaikovska M Tolmach I Bondar	7085
O. Chukooskii, IVI. Loimach, I. Bohaur	

SUSTAINABILITY AS A CORE CONCEPT OF AN INTEGRATED SCIENCE CURRICULUM: CAN THE CZECH CURRICULUM FOLLOW THE WESTERN COUNTRIES? E. Stratilová Urválková, M. Blaško, S. Janoušková	7092
THE TRADITIONAL EVALUATION AND INNOVATIVE ASSESSMENT METHODS IN THE TEACHING OF SCIENCES AND MATHEMATICS Z. Árki, T. Berta, L. Jaruska	7101
THE MODEL OF TEACHING RUSSIAN LANGUAGE TO FOREIGN PRE-RESIDENTS AND PRE-UNDERGRADUATES USING DIGITAL EDUCATIONAL RESOURCES G. Myers, J. Karpova, V. Levina	7108
ELEMENTS OF INDUSTRY 4.0 AND THEIR INTEGRATION IN THE TEACHING PROCESS OF SUBJECT ADDITIVE PRODUCTION M. Kočiško, J. Kaščak, J. Török	7115
EVALUATION OF INTEGRATED BLOCKS IN THE MEDICAL PROGRAM L. Akhvlediani, T. Dilaverova	7121
A RECOMMENDATION FOR THE USE OF CHATBOTS TO IMPROVE LEARNER ENGAGEMENT IN MOOCS L. Condé, F.K. de Heer-Menlah	7125
LESSONS LEARNED: TAKING COVID SUCCESSES INTO THE POST-COVID CLASSROOM H. McCune Bruhn	7135
THE CONCEPT OF QUALITY OF EDUCATION: A VIEW FROM LITHUANIA I. Stonkuvienė, A. Juškevičienė, S. Šabanovas	7136
USING ROBOTS TO ASSIST IN THE TEACHING OF MATHEMATICS TO UPPER PRIMARY AND LOWER SECONDARY SCHOOL PUPILS T. Lavery	7144
STUDENTS' SATISFACTION WITH DISTANCE LEARNING MATHEMATICS IN HIGHER TECHNICAL PROFESSIONAL COURSES L. Pereira	7147
12 PEDAGOGICAL PRINCIPLES FOR THE USE OF GAMIFICATION IN HIGHER EDUCATION F.A. Costa, M. Raleiras, J. Viana	7156
TRAINING THE EMPLOYEES TO MEET PHISHING ATTACKS E. Kovatcheva, A. Consoli, A. Yordanov	7164
IMPACT OF THE COVID-19 PANDEMIC ON THE NUMBER OF SECURITY STUDENTS IN THE SELECTED REGION M. Boroš, A. Veľas, M. Vandlíčková	7169
CHALLENGES IN DIGITAL LEARNING - CYBERSECURITY TRAINING E. Mitan	7174
SETTING THE TONE FOR IMPACTFUL LEARNING WITHIN RURAL SCENARIOS P. Lindblom, E. Awuni Kolog, E. Sutinen	7182
ANALYSIS OF EDUCATION FROM VARIOUS ASPECTS IN RELATION TO THE PANDEMIC SITUATION REGARDING COVID-19 AT SELECTED SLOVAK UNIVERSITIES T. Juríková, K. Fatrcová-Šramková	7189
"EVERYONE PLAYS A KEY ROLE": STUDENTS, LECTURERS AND SUPPORT STAFF IN SOUTH AFRICA TALK ABOUT THE ACADEMIC RESILIENCE OF ENGINEERING STUDENTS C. Mapaling, P. Webb, B. du Plooy	7201
EFL TEACHERS' PERSPECTIVES ON THE USE OF DIGITAL MULTIMODAL TECHNOLOGY IN VOCATIONAL SCHOOLS D. Suci, Y. Basthomi, N.Y. Cahyono, M. Anugerahwati	7208
PHENOMENOLOGICAL INSIGHTS ON EXPERIENCES OF PROFESSIONAL IDENTITY IN THE PROCESS OF PROFESSION SELECTION AND DECISION TO BECOME A TEACHER L. Pečiulienė, R. Bubnys	7217
RECONCEPTUALIZING INCLUSION IN MUSEUM SPACES: A MULTIDISCIPLINARY FRAMEWORK	7225
M. Mastrogiuseppe, L. Soares Guedes, S. Span, P. Clementi, M. Landoni	

NEW THERMAL REGULATIONS FOR BUILDINGS AS PART OF A FUNDAMENTAL COURSE IN INDUSTRIAL ENGINEERING J. Las-Heras-Casas, C. García-Lozano, L.M. López-Ochoa, C. Míguez-Álvarez	7234
EXPLORING HOW TECHNOLOGY INFLUENCES K-12 ESL STUDENTS' MULTIMODAL LITERACY LEARNING IN K-12 SETTINGS: LITERATURE REVIEW S. Heo, R.M. Avadhanam	7238
RELATIONS BETWEEN AGGRESSIVENESS AND PHYSICAL ACTIVITY LEVEL IN SMOKING AND NON-SMOKING UNIVERSITY STUDENTS I. Novikova, K. Kanafina	7246
HOW TO PROPERLY ENGAGE STUDENTS AND HOW TO KEEP THEM ENGAGED EVEN IN THE CASE OF ONLINE TEACHING I. Kremeňová, J. Fabuš, D. Koncova	7253
HEALTH INFORMATION SYSTEM IN NURSING HOMES S. Santos, A. Oliveira	7260
EXPERIENCE IN DEVELOPING TRAINING MODULES ON DIGITAL COMPETENCE M. Tolmach, O. Chaikovska, K. Kotsiubivska, Y. Trach	7265
AFFORDANCES OF FLIPPED LEARNING IN EMERGENCY REMOTE TEACHING <i>P. Cardoso, L. Chagas</i>	7274
MOVEMENT AND GAMES IN THE DISTANCE UNIVERSITY EDUCATION J. Sanchez Marin	7281
TIMES OF CHALLENGE: SUCCESSFUL STRATEGIES FOR IMPROVING ENGAGEMENT IN ONLINE AND HYBRID LEARNING MODALITIES M. Rosser-Majors, S. Anderson, C. McMahon, S. Rebeor	7285
MEET THE CULTURAL LAYERS OF THE PAST E. Kovatcheva, V. Muchanova	7295
MULTIMEDIA TEACHING MEANS – NEW TRENDS AND POSSIBILITIES OF EDUCATION IN SLOVAK EDUCATIONAL CENTRES IN THE WORLD Z. Kovacova Svecova, A. Douskova, T. Blazicek	7299
CURRICULUM PRIORITIES FOR PERFORMING ARTS EDUCATION: RUSSIAN AND AUSTRIAN EXPERIENCE G. Zhukova, E. Poyntner, V. Azarova, E. Timofeeva	7305
EYE GAZE TRACKER SYSTEMS OPERATING WITH CHILDREN WITH SEVERE PHYSICAL IMPAIRMENTS. A SYSTEMATIC REVIEW AND SOME CASES STUDIES IN VENETO (ITALY) C. Girelli, L. Berzacola, V. Pernigotti	7310
THE CHALLENGES 1-ST YEAR STUDENTS FACE DURING THE ONLINE STUDIES N. Mammadova, E. Yusupova	7320
THE ACADEMIC DEBATE AS A TOOL TO DEVELOP SOFT SKILLS IN CIVIL ENGINEERING MASTER TEACHING T.M. Pellicer, V. López-Mateu	7324
A GENETIC ENGINEERING FELLOWSHIP OF THE RING: BUILDING MENTORSHIP NETWORKS FOR GENETIC ENGINEERING IN BIOCHEMISTRY AND BIOLOGY DEGREES THROUGH GAMIFICATION, INTERNATIONALIZATION AND ACCESSIBILITY	7333
A. Sánchez Torralba, M. Benítez Prian, C. Blázquez Ortiz, F. Bruñén Alfaro, O. Cañadas Benito, N. García de la Camacha Selgas, B. García-Fojeda García-Valdecasas, D. González Miranda, G. Guevara Acosta, M.T. López Conejo, M. Lorente Pérez, J.M. Mateo Mendoza, L. Nogués Vera, A. Raisman, R. Ranz Valdecasa, M. Ruiz Ortega, J.L. Sánchez-Escalonilla Relea, T. Sánchez Velasco, J. Toledo Marcos, G. Velasco Díez, J.M. Navarro Llorens	
DEFINITION OF A COORDINATED PROJECT-BASED LEARNING TEACHING GUIDE AT COMPUTER SCIENCE STUDIES J. Izquierdo-Domenech, J. Jordán, J. Linares-Pellicer, J.A. Silvestre-Cerdà, R. Sanchis	7342
RESOURCES VERSUS STRESS: PSYCHOLOGICAL TRAINING FOR SUCCESSFUL ADAPTATION OF FIRST-YEAR UNIVERSITY STUDENTS DURING THE COVID-19 PANDEMIC I. Novikova, K. Kanafina	7349
DIGITAL COMPETENCE DEVELOPMENT OF THE ARTS EDUCATION INSTITUTIONS TEACHERS M. Tolmach, Y. Lebid, T. Gumenyuk	7355

ONLINE PUBLIC SPEAKING: OBSTACLES AND BENEFITS OF THIS EXPERIENCE FOR THE STUDENTS OF THE INTERNATIONAL JOURNALISM FACULTY N. Mammadova, N. Masumova	7364
TEACHING UNIVERSAL ACCESSIBILITY IN HERITAGE PRESERVATION V. López-Mateu, T.M. Pellicer	7368
A GLANCE AT HIDDEN CURRICULUM IN PRACTICE: EMPATHY AND PERSONALITY OF (PRE)SCHOOL TEACHERS L. Jančec, J. Lepičnik Vodopivec	7374
ARE ONLINE CLASSES THE FUTURE IN HIGHER EDUCATION? J. Fernandes, S. Esteves	7384
GAMIFICATION THROUGH AUGMENTED REALITY TO ASSIST THE LEARNING PROCESS OF ECUADORIAN STUDENTS A. Carrera, J. Samaniego, V. Vásconez, A. Mayorga	7392
THE EDUCATIONAL CONCEPT OF THE EXCURSION AND MUSEUM PEDAGOGY IN FOREIGN LANGUAGE TEACHING M. Zhukova, E. Poyntner, I. Erofeeva, E. Timofeeva	7399
ASYNCHRONOUS E-LEARNING: THE SOLUTION TO TRAINING PROBLEMS IN THE AERONAUTICAL SECTOR J. Cruz-García, C.F. Zambrano-Gallardo, R. Florencio da Silva	7404
COLLABORATIVE ATMOSPHERE IN E-LEARNING ENVIRONMENT: HOW TO CREATE IT UNDER THE COVID-19 PANDEMIC S. Kurbakova, E. Kulikova, O. Savkina, A. Kurbakov	7409
TIKTOK AS A SPACE FOR EDUCATIONAL DISSEMINATION J. Samaniego, A. Carrera, D. Mejia, W. Hurtado	7414
INTERPERSONAL RELATIONSHIP BETWEEN HOMEROOM TEACHERS AND PRIMARY SCHOOL STUDENTS WITH REGARD TO ACADEMIC PERFORMANCE, FORM OF EDUCATION, AND ASSESSMENT FOR ADDITIONAL ASSISTANCE N. Vlah, L. Posavec, L. Jančec	7419
USING SIMULATION TO LEARN HOW TO PROPERLY PLACE AN EXOSKELETON: A PILOT EXPERIENCE COMBINING EDUCATION AND INDUSTRY J. Baeza Aranda, A. Camps Gomez, C. Gomar Sancho, G. Gonzalez-Caminal	7427
APPLICATION OF A NEW METHODOLOGY FOR RESEARCH AND IMPLEMENTATION OF TECHNICAL PROJECTS IN DEVELOPING COUNTRIES FOLLOWING SUSTAINABLE DEVELOPMENT GOALS AND CHANGING INTO A CIRCULAR ECONOMY C. Peña Narciso, J.L. Costafreda Mustelier, M.E. Crespo Feo, J. Herrera Herbert, D.A. Martín Sánchez	7435
RURAL PRIMARY TEACHERS' EXPERIENCES OF QUALITY TEACHING AND LEARNING IN MULTI-GRADE SCHOOLS N.E. Mpahla, B. Makena	7445
A SWITCH FROM TRADITIONAL CLASSROOM TO REMOTE TEACHING AND LEARNING, A COERCED VIRTUAL PLANE! M.H. Kepe, N.P. Caga	7449
NEW CHALLENGES FOR THE HIGHER EDUCATION AREA AND THE WORLD OF WORK DURING COVID-19 J. Stofkova, M. Zilincikova	7457
POST COVID - ARE THE DEFINITIONS OF, IN-PERSON, FLIPPED LEARNING, TECHNOLOGY ENHANCED LEARNING, BLENDED, GUIDED, ONLINE AND DISTANCE LEARNING STILL VALID OR CHANGED FOREVER? D. Pike	7465
FRENCH FOREIGN LANGUAGE (FFL) LEVEL AND WRITING SKILLS OF SPANISH FFL PRE-SERVICE TEACHERS. A PRELIMINARY DIAGNOSTIC STUDY A. Ruyffelaert	7472
CROSS-CULTURAL STUDIES AND INTERCULTURAL COMMUNICATION: NEW CHALLENGES AND OPPORTUNITIES S. Kurbakova, E. Kulikova, O. Savkina, A. Kurbakov	7473
INNOVATIVE FLEXIBLE WORKSTATION FOR THE SMALL HOMES IN THE PANDEMIC ERA G. Elsayed Ali Elsamanoudy	7478
DRAWING TO UNDERSTAND, CONSTRUCT AND MEMORISE: THE SKETCHBOOK AS A LEARNING STRATEGY S. Jorge, M. Madureira, M. Albino, P. Tavares	7484

THE PANDEMIC FORCE N. Sami Abdelaziz	7491
SELF-EDUCATION AS A MEANS OF INCREASING DIGITAL SKILLS J. Stofkova, T. Dekanovsky, V. Soltes	7497
LIFELONG LEARNING SITUATION IN EUROPEAN UNION COUNTRIES J. Dudaitė, R. Dačiulytė, J. Navickaitė	7505
DISTANCE EDUCATION FROM THE STUDENTS' POINT OF VIEW DURING THE COVID-19 PANDEMIC P. Janoskova, K. Repkova Stofkova	7513
THE TRAINEE'S PERCEPTION OF THE IMPACT OF COVID-19 ON THE INTERNSHIPS OF THE PROFESSIONAL HIGHER TECHNICAL COURSES L. Pereira, P. Novo Melo	7521
HOW FORCED REMOTE LEARNING DUE TO A PANDEMIC INCORPORATING HIGH IMPACT PRACTICES UTILIZING STUDENT LEARNING STYLES FOSTERED A POSITIVE OUTCOME IN A FRESHMEN SEMINAR PROGRAM M. Dono-Koulouris	7522
CASE STUDY: CHANGE OF APPROACH IN LEARNING PROCESS OF MICROECONOMICS SUBJECT DURING THE COVID-19 PANDEMIC AT THE UNIVERSITY D. Laitkep, K. Repkova Stofkova	7527
ACADEMIC PRODUCTION OF PODCASTS FOR BRANDS: PROPOSAL OF A METHODOLOGICAL FRAMEWORK FOR INTERDISCIPLINARY PRACTICES BETWEEN COMMUNICATION AND ADVERTISING COURSES M. Cappelletti, M. Quintao	7532
UNIVERSITY STUDENTS' PHYSICAL ACTIVITY: WHAT TYPE RELATES MORE WITH WELL- AND ILL-BEING? N. Codina, R. Valenzuela, J.V. Pestana	7533
DEALING WITH PLAGIARISM IN UNDERGRADUATE EDUCATION TO ACHIEVE INTELLECTUAL PROPERTY RIGHTS I. Braga	7538
TEACHING ENGLISH AT A UNIVERSITY WITH 50 YEARS OF MULTICULTURAL EXPERIENCE E. Gabarta	7546
PHYSICAL ACTIVITY AND WELL-BEING IN HEALTH-CARE UNIVERSITY STUDENTS. GENDERED BACHELOR, GENDERED PHYSICAL ACTIVITY? R. Valenzuela, J. González-Vaca, J.V. Pestana	7551
INDUSTRY 4.0 AND THE IMPORTANCE OF COMPETENCIES: THE PORTUGUESE CASE M. Amorim, M. Ferreira Dias, M. Santos, M. Almeida, C. Pan, M. Rodrigues, G. Neto	7556
HOW CAN A NEW DIDACTIC FORMAT INFORM CURRENT DESIGN EDUCATION? THE PSSD TOUR EXPERIMENTATION A. Taverna, D. de Sainz-Molestina	7564
BEYOND WORDS: AROUND PHYSICAL PLAY, ITS VALUE AND ADULT'S ROLE P. Braga, T. Morgandi, R. Hughes	7572
OPPOSITION "OWN-DIFFERENT" IN THE PROCESS OF IMPLEMENTATION OF THE EDUCATIONAL PROJECT "LEARN RUSSIAN IN THE EU": WORK WITH HOST FAMILIES E. Vasiljeva, A. Stankevica, K. Juskova	7581
HOMEMADE MUSIC INSTRUMENTS AS A NON-TRADITIONAL PRACTICE IN THE TRAINING OF STUDENTS FROM PEDAGOGICAL SPECIALTIES P. Stefanova, P. Stefanov	7587
EXPLORING THE IMPORTANCE OF ADDRESSING E-PROFESSIONALISM COMPETENCIES IN THE EDUCATION OF YOUNG PROFESSIONALS M. Amorim, M. Rodrigues, J. Reis, Y. Cohen	7593
A NEW CHALLENGE IN TEACHING FOREIGN LANGUAGES AT UNIVERSITY: HYBRID LEARNING	7594
E. Smirnova, E. Mukhametshina, A. Ibraeva, E. Biktemirova CHEMOMETRIC LEARNING PILLS (CHEMOM-PILLS) APPLIED TO CHEMICAL	7599
ANALYSIS IN TIMES OF PANDEMIC BY COVID-19 M.J. Casanueva-Marenco, M.D. Granado-Castro, V. García-Moreno, A. Castaño-Martínez, V. López-Marchante M.D. Galindo-Riaño, M. Dúaz-de-Alha	1399

ADJUSTING TRAINING MODEL FOR INITIAL TEACHER EDUCATION FOR VIRTUAL F2F CLASS. A CASE STUDY WITH AN ACTION RESEARCH COMPONENT G.E. Petre	7609
VIRTUAL LEADERSHIP: KEEPING PEOPLE ENGAGED IN REMOTE COLLABORATION M. Leiss	7619
PUBLIC SPEAKING AS A MATTER OF PRACTICE FOR STUDENTS IN LINGUISTICS MAJOR	7624
E. Smirnova, E. Mukhametshina, E. Biktemirova, A. Ibraeva	
CONFLICT, CRISIS AND CHANGE MANAGEMENT SKILLS IN CURRENT ACADEMIC EDUCATION: WHAT NEEDS TO CHANGE – WHAT NEEDS TO STAY J.N. Hennemann, Z. Stofkova	7628
APPLICATION OF ALTERNATIVE MUSIC INSTALLATIONS IN MUSIC PEDAGOGY P. Stefanova, P. Stefanov	7636
TRANSFORMING THE FASHION INDUSTRY BY: THE EVOLUTION OF DESIGN & MERCHANDISING EDUCATION C. Baeza, E. Quinn	7643
FROM BLENDED MOBILITY TO ONLINE MOBILITY IN JEU: THE STUDENT'S PERSPECTIVE	7650
J.C. Monteiro, M. Beczkowski, H. Bollaert, N. Borowski, M. Connolly, J. Ides, P. Milczarski, J. C. Morais, D. O'Reilly, P. Possemiers, H. Schulze	
USING DIGITAL TOOLS TO ENHANCE CONVERSATION AMONG PEERS WITHIN A MENTORING DESIGN PROGRAM A. Taverna	7656
"MATHEMATICS IS NOT AS DIFFICULT AS I THOUGHT": THE EFFECTS OF COMPUTER USE ON LEARNING LINEAR FUNCTIONS AND INVERSE VARIATION S. Pihlap	7663
COMPLEMENTARY SCHOOLS OF NATIONAL MINORITIES IN GREAT BRITAIN WITH A FOCUS ON SLOVAK EDUCATIONAL CENTRES Z. Kovacova Svecova, M. Lipnicka, D. Smalley	7672
TWELFTH GRADE STUDENTS' VIEWS ON DISTANCE MATHEMATICS EDUCATION DURING THE PANDEMIC: THE CASE OF ESTONIA H. Jukk, T. Kraav, K. Oras, K. Orav-Puurand, S. Pihlap	7681
LEADERSHIP IN THE EDUCATIONAL PROCESS V. Queiroz, M. Simonette, E. Spina	7688
LIFE-LONG SUCCESSFUL SKILLS FOR ENGINEERING MANAGERS AND FUTURE TECHNICAL EXECUTIVES- STUDENTS' LEARNING OUTCOMES FROM A PROFESSIONAL MASTER'S PROGRAM W. Lu, B. Zoghi	7692
INCREASING ACCESS TO TECHNOLOGY IN EDUCATION IN NICARAGUA K. Christopher, P. Lane, R. Dormus	7699
CLIMATE CHANGE AND COMMUNITIES ACROSS AMERICA: MAJOR THREATS TO HUMAN HABITATION	7700
N. Brown, H. Aubrey, T. Clark, T. Jordan, K. Anderson, D. Hill-Eley, H. Swanson, E. Cameron	
APPLICATIONS OF ARTIFICIAL INTELLIGENCE IN THE HIGHER EDUCATION A.D. Torres-Rivera, L.A. Díaz-Torres, S.T. Díaz-Torres, R. Florencio Da Silva	7706
TENSIONS PRODUCED BY CARRYING ON BUSINESS AS USUAL: A NARRATIVE INQUIRY OF ONLINE INSTRUCTION IN LITERACY EDUCATION DURING COVID-19 D. Alvermann	7711
PARENTAL RESISTANCE TO THE VOCATIONAL PREFERENCES OF SECONDARY SCHOOL STUDENTS IN PERU: A MODEL TO EXPLAIN PARENTAL RESISTANCE - SUPPORT I. Montes-Iturrizaga, E. Franco-Chalco, D. Montes-Iturrizaga, A. Bazán-Ramírez, Y.L. Pamplona-Ciro	7715
DEVELOPMENT OF FUNCTIONAL COMPETENCE OF THE PEDAGOGICAL	7722
UNIVERSITIES STUDENTS I. Balandina, L. Yuzdova, T. Moskvitina, K. Zvyagin, A. Sviridova, N. Parshukova	
TEACHING BASIC LOGIC AND ARITHMETIC OPERATIONS WITH A VIRTUAL QUILT-SEWING MACHINE J. Gomez, E. Leon	7726
GENDER EQUALITY AND EDUCATION A Guinarães F Rebelo	7736

VOCATIONAL PREFERENCES FOR HEALTH SCIENCES CAREERS IN PERUVIAN SECONDARY SCHOOL STUDENTS: SOCIODEMOGRAPHIC PROFILES AND MOTIVATIONS FOR CHOICE I. Montes-Iturrizaga, E. Franco-Chalco, D. Montes-Iturrizaga, A. Bazán-Ramírez, Y.L. Pamplona-Ciro	7742
DIGITAL EDUCATIONAL TOOLS TO COUNTER ONLINE HATE SPEECH AMONG YOUNGSTERS M. Lillis, E. Georgakakou, A. Kameas	7750
DIGITAL PEDAGOGICAL TOOLS FOR THE PROMOTION OF CRITICAL THINKING AND MEDIA LITERACY THROUGH THE DEVELOPMENT OF A CREATIVE AUDIOVISUAL LAB K. Nikolakopoulou, E. Georgakakou, A. Kameas	7759
FOUR-PANEL MANGA METHOD FOR EXPLANATION OF THE EXHIBIT IN MUSEUMS: LEARNING SUPPORT USING THE CHARACTER IN THE FOUR-PANEL MANGA R. Egusa, R. Aoki, F. Kusunoki, S. Inagaki	7769
DISTANCE LEARNING AND METACOGNITIVE AWARENESS: A POSITIVE RELATIONSHIP? P. Morales Bueno, R. Santos Rodas	7775
DEVELOPMENT AND VALIDATION OF DIAGNOSTIC ASSESSMENT INSTRUMENT FOR NUMERACY SKILLS IN 7TH GRADE G. Burgmanis, I. France, D. Namsone, L. Čakāne	7781
EMERGENCY REMOTE TEACHING – THE SUCCESS STORY: AN INCLUSIVE, ACTIVE LEARNING EXPERIENCE RESPONSE FOR A DISLOCATED STUDENT BODY. AN INTERDISCIPLINARY UK BUSINESS SCHOOL PERSPECTIVE S. McCotter, R. Walker	7792
TRANSLATION TRAINING: DOES INTERPRETATION MATTER? Z. Jánošíková	7803
PREVENTION OF BULLYING IN PRIMARY SCHOOL I. Balandina, Y. Volchegorskaya, M. Zhukova, Y. Frolova, K. Shishkina, L. Yuzdova, T. Moskvitina	7806
SPECIFIC FEATURES OF STUDYING THE SPIRITUAL SITUATION PROBLEMS IN RUSSIA AT THE BEGINNING OF THE 20TH CENTURY E. Kriazheva-Kartseva	7813
DETERMINATION OF THE VALUE OF ACCELERATION DUE TO GRAVITY USING SMARTPHONES M. Padon	7817
COMPARISON OF STUDENTS' EXPERIENCE WITH DISTANCE LEARNING UNDER COVID DURING THE FIRST AND SUBSEQUENT WAVES OF THE PANDEMIC J. Glivická	7822
SUSTAINABLE DEVELOPMENT GOALS PHILOSOPHY INTEGRATION IN UNIVERSITY EDUCATION: A CASE STUDY D. Aguado, D. Pascual, J. Ferrer	7830
BECOMING AGENTIC TEACHERS: SERVICE LEARNING METHODOLOGY IN A CSCL ENVIRONMENT TO FOSTER AGENCY IN STUDENT TEACHERS M. Solórzano-García	7838
SCRATCH: A TOOL FOR LEARNING AND TEACHING E. Romero, J.S. Artal-Sevil	7844
ACTIVITY EXPERIENCE OF CHILDREN AND YOUTH ORGANIZATIONS OF THE END OF THE XIX - EARLY XX CENTURY N. Levchenko, N. Koliada	7854
PRACTICAL MODEL OF INTERINSTITUTIONAL INTERACTION FOSTERING STEM EDUCATION AND CAREERS D. Atanasova, D. Todorova	7860
CONTENT OF PRACTICAL TRAINING OF STUDENTS IN RESCUE SERVICES J. Svetlík, M. Konárik	7869
PREPARATION OF VOLUNTARY FIRE BRIGADES FOR INTERVENTIONS IN TRAFFIC ACCIDENTS J. Svetlík, M. Konárik, M. Šullová	7873
PRE-PRIMARY AND PRIMARY EDUCATION STUDENT TEACHERS' ATTITUDE TO INCLUSIVE EDUCATION M. Cabanová, B. Kasáčová, R. Sabo	7878
MODELS OF SUPPORT FOR STUDENTS WITH SPECIFIC LEARNING DIFFICULTIES IN THE REPUBLIC OF CROATIA S. Zrilić	7884

ASSESSMENT OF QUALITY OF EDUCATION FROM THE PERSPECTIVE OF STUDENTS OF SECURITY AND SAFETY SCIENCES T. Hajdúková	7897
TESTING PRESCHOOL EDUCATION EFFECT ON FOURTH GRADE STUDENTS' MATHEMATICS ACHIEVEMENT IN TIMSS 2015: LITHUANIAN CASE S. Raižienė, L. Ringienė, A Jakaitienė	7904
COVID-19 AND DISTANCE LEARNING: AN ITALIAN SURVEY OF THE EFFECTS ON EFL TEACHING AND LEARNING DURING THE PANDEMIC A. Romagnuolo, A.M. D'Arcangelis	7905
THE ROLE OF TEACHER ENSURING THE QUALITY OF EDUCATION: THE CASE OF LITHUANIA I. Stonkuviene, A. Juškevičienė, S. Šabanovas	7915
EDUCATION ON BIOWASTE: FROM KNOWLEDGE TO PRACTICE M. Feszterová, Z. Jenisová	7916
A LITTLE MORE DETAIL COULD JUST BE WHAT IS NEEDED FOR COMPREHENSION: TEACHING ANISOTROPIC HOOKE'S LAW Z. Tjiparuro	7925
PLATFORM FOR HYBRID EDUCATION CONCEPT: INSIGHT INTO VIRTUAL TOOLS IMPACT TO ENGINEERING STUDENTS' COMPETENCES GROWTH P. Pavlasek, L. Hargas, D. Koniar, V. Pavlaskova, A. Simonova	7930
A MIXED-METHODS STUDY INVESTIGATING MEDICAL STUDENTS' BARRIERS TO CONDUCTING RESEARCH DURING PRECLINICAL TRAINING R. Jacobs, J. Caballero	7939
TEACHING AT UNIVERSITY MASTER DEGREES: INTANGIBLE RESOURCES L. Garcia-Zambrano, A. Nuñez-Zabaleta	7944
THE INFLUENCE OF THE ONLINE ENVIRONMENT OVER WELLBEING AND PURCHASE BEHAVIOR FOR STUDENTS DURING THE PANDEMIC TIMES M.A. Anghel	7950
PARALLEL TEXTS METHOD IN THE COURSE OF TEACHING/LEARNING ENGLISH FOR SPECIFIC PURPOSES AND TRANSLATION TRAINING O. Ramantova, N. Stepanova	7955
THE IMPACTS OF THE TECHNOLOGY TRANSFER OFFICES ON THE HIGHER EDUCATION INSTITUTIONS' INNOVATION AND PATENTS APPLICATION ABILITY: CASE OF TURKEY FROM 2010 TO 2020 G. Sart	7962
A STUDY OF EMPATHY AS THE ABILITY TO RECOGNIZE AND UNDERSTAND THE EMOTIONS OF OTHERS A. Vintere	7963
A CASE STUDY OF STRESSFUL SITUATIONS DURING THE COVID-19 PANDEMIC T. Rubina, A. Vintere	7970
TEACHING ENGLISH READING TO FIRST ADDITIONAL LANGUAGE LEARNERS IN GRADE 4 IN RURAL AREAS L. Fesi	7975
THE USE OF INSTAGRAM ON EDUCATION AT THE UNIVERSITY LEVEL: A CASE STUDY ON THE BUSINESS MANAGEMENT SUBJECT BELONGING TO THE INDUSTRIAL ENGINEERING DEGREE B. Andres, F. Sempere, A. Rodríguez-Villalobos, A. Mengual	7986
ENHANCING ONLINE EDUCATION FOR UNDERREPRESENTED STUDENT POPULATIONS S. Worthy	7992
DIGITAL APPLICATIONS IN ARCHAEOLOGICAL EDUCATION AND EXCAVATION TRAINING: THE DELTA COURSE P. Polymeropoulou, A. Kameas, I. Papadatos, A. Kalara, F. Sogliani, D. Roubis, P. Tóth, J. Malíšková	7996
NEW TECHNOLOGY - A NEW APPROACH TO FURTHER VOCATIONAL TRAINING? M. Drake, R. Kauppinen	8005
SOUTHERN SLOVAKIAN PUBLIC ADMINISTRATION: COMPETENCIES THAT THE MAYORS REQUIRE P. Schulcz	8012
INVESTIGATING THE IMPACT OF MANAGEMENT INFORMATION SYSTEMS (MIS) ON EMPLOYEE JOB PERFORMANCE AT MBABANE MUNICIPALITY, SWAZILAND K. Ngwane, N. Hlophe	8019

TEACHING VALUES IN HIGHER EDUCATION: A REVIEW M. Briceño Caballero, R. Comas Forgas	8025
AN EVALUATION OF THE CHALLENGES OF THE E-PROCUMENT SYSTEM AT MAHLE BEHR IN DURBAN, SOUTH AFRICA K. Ngwane, D. Haripersad	8026
STUDENTS' MEMORIES, HISTORIES AND LIVES: STUDENTS' VOICE THROUGH THE PEDAGOGICAL TRIANGULATIONS SCHOOL TRAJECTORIES - COVID19 INITIATIVE C. Palmeirão, A. P. Carneiro, J. Matias Alves	8032
A FRAMEWORK FOR MSC. TEACHING OF CHARACTERIZATION AND SIMULATION OF ENVIRONMENTAL VECTOR RANDOM PROCESSES M. Cobos, A. Baquerizo	8041
IS ONLINE TEACHING HERE TO STAY FOR ENGINEERING COURSES? AN EXPLORATION OF STAFF PERSPECTIVES OF ONLINE TEACHING AND LEARNING D. Gurbutt, K. Khan	8047
PREPARING FUTURE TEACHERS FOR CULTURAL AND EDUCATIONAL ACTIVITIES O. Shefer, T. Lebedeva, V. Elagina, N. Antonova, E. Erentraut, Y. Akhkamova	8056
THE CASE FOR FREE EDUCATIONAL RESOURCES IN DISTANCE LEARNING S. Worthy	8060
MONA PROJECT: INTEGRATING MODERN TECHNOLOGIES IN MUSEUM EDUCATION	8064
J. Bal, D. Dhungana, S. Karagiorgos, S. Mageirias, C. Pitnik, D. Vlachopoulos STUDENT FACEBOOK GROUP AS A DISCUSSION PLATFORM FOR ACADEMIC	8071
PURPOSES S. Athanassopoulos, K. Lavidas, V. Komis	
21ST CENTURY SOFT SKILLS DEVELOPMENT OPPORTUNITIES OF TOP MANAGEMENT IN INTERNATIONAL ENVIRONMENT V. Orfánusová, A. Veszprémi Sirotková	8078
NEW RESEARCH ELEMENTS IN THE EDUCATIONAL MODEL FOR TOP MANAGERS: RUSSIAN EXPERIENCE O. Molchanova, S. Shchelokova	8084
THE ASSOCIATION BETWEEN DISTANCE LEARNING, STRESS LEVEL, AND PERCEIVED QUALITY OF EDUCATION IN MEDICAL STUDENTS AFTER TRANSITIONING TO A FULLY ONLINE PLATFORM R. Altaf, M. Kling, A. Hough, A. Ball, J. Goldstein, J. Brunworth, C. Chau, A. Joseph, R. Jacobs, J. Costin	8089
THE IMPACT OF COVID-19 VACCINATION ON HUMANS' PSYCHO-SOCIAL BEHAVIOUR: SCIENTIFIC LITERATURE REVIEW M.H. Ahmed, I. Kacane	8093
THE IMPACT OF WORKPLACE SPIRITUALITY AND PSYCHOLOGICAL CAPITAL ON TEACHER MOTIVATION S.M. Wu, C.N. Tsai	8101
EVALUATING THE EFFECT OF ACTION LEARNING IN A GRADUATE MEDICAL EDUCATION COURSE A. Rana, H. Wiggin, R. Jacobs	8112
THE ASSOCIATION OF STRESS, COLLABORATIVE LEARNING, SOCIAL PRESENCE, AND SOCIAL INTERACTION WITH TEACHING MODALITY TYPE AMONG MEDICAL STUDENTS	8121
T. Ouellette, Y. Ramadan, M. Muthuraj, D. Pi Noa, R. Yuvaraj, A. Rana, R. Jacobs TREATMENT OF IDIOPATHIC TOE-WALKING IN A CHILD WITH AUTISM AND DATA	8127
COLLECTION OF MOVEMENTS THROUGH CAREME APP: HOW NEW TECHNOLOGIES CAN HELP IN THE TREATMENT OF PROBLEM BEHAVIORS S. Vita, A. Rega, A. Mennitto, L. Iovino	0127
ARTIFICIAL INTELLIGENCE IN EDUCATION P. Svoboda	8134
FEMALE UNIVERSITY STUDENTS DURING LOCKDOWN DUE TO COVID-19 PANDEMIC: ISOLATION CONDITIONS, PERCEPTION OF STRESS AND WELL-BEING S. Guidi, P. Palmitesta, M. Bracci, E. Marchigiani, O. Parlangeli	8139
DISTANCE LEARNING OF RUSSIAN AS A FOREIGN LANGUAGE: ITALIAN STUDENTS' ASSESSMENT A. Carluccio, N. Cabassi	8147
THE EFFECTS OF THE PATENTS' NUMBERS OF THE STARTUPS AND SPINOUTS ON THE PROCESS OF ATTRACTING THE INVESTMENTS: CASE OF TURKEY IN 2020 G. Sart	8156

PERSONALIZED LEARNING MANAGEMENT SYSTEM (PLMS) TO ENHANCE UNIVERSITY STUDENTS' LEARNING EXPERIENCE K.R. Selvaraj, M. Sonia, R. Kalaimagal	8157
LANGUAGE AND COMMUNICATION SKILLS IN AN INTERNATIONAL GAME JAM: A PILOT STUDY WITH RUSSIAN PARTICIPANTS M. Fiadotau, P. Oganesyan, Y. Demyanenko	8161
TEACHING URBAN SUSTAINABILITY WITH MINECRAFT EDUCATION EDITION M. Occhioni, R. Di Palma, E. Paris	8169
A GENRE BASED APPROACH IN TEACHING ACADEMIC ENGLISH IN A PRE- SESSIONAL PROGRAM N. Kerr	8174
STUDENT ACTION RECOGNITION AS A MEANS OF SUPPORTING REMOTE LEARNING E. Dimitriadou, A. Lanitis	8175
CONCEPT DESIGN -THE EQUIP PROJECT- THE USE OF IMMERSIVE LEARNING SIMULATION & VR MODALITIES FOR INTERPROFESSIONAL HEALTHCARE TRAINING ACROSS MULTI-SITES IN WALES J. Davies, M. Holmes, T. Thomas, J. Gammon	8181
A PEER ASSESSMENT EXPERIENCE WITH REGULATORY FEEDBACK FOR THE CREATION OF KNOWLEDGE PILLS IN VIDEO FORMAT BY STUDENTS A. Nardi-Ricart, M. Oliva Herrera, R. Aparicio Pelegrín, A. Viscasillas Clerck, E. Cano García, L. Halbaut Bellowa	8182
THE IMPACT OF TECHNOLOGY ON LEARNING: REFLECTIONS AND CHALLENGES K. Norley	8191
GAMIFYING FORMATIVE AND IPSATIVE ASSESSMENT FOR ENGLISH FOR SPECIFIC PURPOSES STUDENTS C.N. Albert, I. Mudure-Iacob	8196
LEARNING PROGRAMMING USING VISUALISATION - AN ANALYSIS OF LEARNER EXPERIENCES R.U. Khan, S.M. Fitri, Y.B. Oon, A.S. Shminan, M. Hardyman	8205
AN APP TO CATER FOR EVERY ENGLISH FOR SPECIFIC PURPOSES SKILL C.N. Albert, I. Mudure-Iacob	8213
E-LEARNING IN EMERGENCY MEDICINE: A SYSTEMATIC REVIEW A. Savage, T. Moncrieff, P. McNamara, G. O'Reailly	8220
A CASE STUDY INTO PRE-SERVICE TEACHERS' PROFESSIONAL DEVELOPMENT TOWARDS LEARNER AUTONOMY AND LEARNER-CENTREDNESS IN FOREIGN LANGUAGE EDUCATION B. Manzano Vázquez	8221
PERSPECTIVES OF FUTURE TEACHERS OF EARLY YEARS FROM TWO PORTUGUESE INSTITUTIONS ON THE HISTORY OF MATHEMATICS C. Costa, L. Menezes, A. Ribeiro, H. Pinto, A.P. Martins, T. Costa Clain, H. Gomes, A.P. Aires	8222
ARE WE READY FOR THE DIGITAL TRANSFORMATION OF EDUCATION? M. Banek Zorica, N. Lazić, J. Klindzic	8231
BRIDGING THE GAP BETWEEN BACHELOR'S DEGREE FINAL PROJECTS AND THE PROFESSIONAL WORLD: AN APPLICATION OF AUGMENTED REALITY FOR THE TEACHING OF METAPHORS IN ENGLISH L. Pérez-Hernández, P. Pérez Sobrino	8240
THE NEW LEARNING LANDSCAPE: ACKNOWLEDGING THE DIGITAL ZONE OF PROXIMAL DEVELOPMENT J. Adamson, D. Sloan	8247
DESIGN, NEUROSCIENCE AND EDUCATION: NEW SCENARIOS ON PROJECT TEACHING AND LEARNING R. Borges, R. Vieira Sbruzzi	8248
LEARNING LAN AND ARP SPOOFING ATTACK IN A GAME J. Xu, X. Yuan, S. Nallela, J. Zhang	8256
PREPARING FOR PLACEMENTS: UTILISING SIMULATION-BASED LEARNING TO EXPLORE AUDITORY HALLUCINATIONS & PROMOTE EMPATHY DURING SCENARIOS FOR 1ST-YEAR UNDERGRADUATE LEARNERS IN MENTAL HEALTH NURSING	8257
S. Mckenna-Lawson, T. Petersen, I. Davies	

IDENTIFICATION OF RELATIONSHIP BETWEEN THE KRAV MAGA SELF-DEFENCE SYSTEM AND THE TRANSFORMATIONAL LEADERSHIP USING PRINCIPAL COMPONENT ANALYSIS E. Strucic, Z. Bagaric, J. Lasic-Lazic	8264
ATTENDANCE AND STUDENTS' GRADES IN A UNIVERSITY FOREIGN LANGUAGE CLASSROOM A. Daukšaitė-Kolpakovienė	8273
SCIENCE AND MATHEMATICS EDUCATION VIA REMOTE ROBOTICS DEPLOYMENT - THE TEKTRAIN PARADIGM E. Tsardoulias, C. Zolotas, S. Siouli, P. Antoniou, S. Amanatiadis, T. Karanikiotis, E. Chondromatidis, P. Bamidis, G. Karagiannis, A. Symeonidis	8282
PRE-SERVICE TEACHERS' AWARENESS RAISING OF GLOBAL ISSUES IN THE ENGLISH LANGUAGE CLASSROOM: CASE STUDIES FROM LATVIA AND SWEDEN S. Sundh, D. Ilisko, I. Fjodorova, E. Olehnovica, M. Kravale-Pauliņa, A. Skrinda	8292
THE INCLUSIVE VIRTUAL LEARNING ENVIRONMENT IN THE FEDERAL INSTITUTE OF EDUCATION, SCIENCE AND TECHNOLOGY OF RONDÔNIA I. Rodrigues de Souza Fausto, E. Fonseca de Souza, M. Rodrigues, R.M. Mariani Braz	8300
AN EXPERIENCE REPORT ON THE ADAPTATION OF A FACE-TO-FACE DISCIPLINE TO THE VIRTUAL CONTEXT IN TIMES OF COVID-19 PANDEMIC P. Fernandes, V. Bremgartner, G.A. Venâncio, L. Rivero	8308
BREAKING THE MYTH. WOMEN ALSO ENJOY LEARNING THROUGH GAMIFICATION E.G. Rincon-Flores, J. Mena, E. López-Camacho	8315
PDC UNPLUGGED: CAN INTRODUCING PDC THINKING STRATEGIES IMPROVE STUDENTS' PROBLEM-SOLVING SKILLS? X. Suo	8321
PROCESS MANAGEMENT MODEL FOR THE REVIEW AND IMPROVEMENT OF UNIVERSITY BACHELOR'S AND MASTER'S DEGREES AT THE UNIVERSITY OF BARCELONA O. Pujolràs, A. Díaz	8327
TRAVELLING BY CANOE: DIALOGUE IN THE CONTEXT OF PROFESSIONAL RECOGNITION F. Smart, V. Davies, M. Dransfield, S. Floyd	8333
EMPLOYABILITY OF FORMER PRISONERS IN THE REPUBLIC OF CROATIA: A SURVEY ON EMPLOYERS' ATTITUDES A. Jandrić Nišević, Ž. Bagarić, B. Vargić	8334
COMPUTATIONAL LAB SESSION FOR IMPROVING LEARNING SKILLS OF THERMODYNAMIC PHENOMENA IN MECHANICAL ENGINEERING R. Novella, M. Carreres, J. García-Tíscar, J. Gomez-Soriano	8341
CULTURAL AWARENESS OF TEACHERS IN HONG KONG AND THEIR PROFESSIONAL NEEDS TO BE EQUIPPED AS CULTURALLY RESPONSIVE TEACHERS: A PERSPECTIVE OF PROFESSIONAL CAPITAL J.L.N. Wong	8347
INTRODUCING SOCIAL SUSTAINABILITY IN AN INFORMATION SYSTEMS COURSE B. Forés, A. Puig-Denia, M. Boronat-Navarro, J.M. Fernández-Yáñez	8348
REFERENCING IN CROATIAN SCIENCE AND HIGHER EDUCATION V. Vlah, T. Vrbanec	8355
QUÍ-BOT-H2O CHALLENGE: INTEGRATION OF COMPUTATIONAL THINKING WITH CHEMICAL EXPERIMENTATION AND ROBOTICS THROUGH A WEB-BASED PLATFORM FOR EARLY AGES INCLUDING GENDER, INCLUSIVE AND DIVERSITY PATTERNS M.I. Tarrés-Puertas, J. Merino-Millo, A.D. Dorado	8361
STORY LEARNING PRACTICES AS INNOVATION FOR LIFE-LONG LEARNING C. Kutay, S. Walsh	8366
FLIPGRID AS AN EDUCATIONAL RESOURCE: A STUDY WITH SECONDARY SCHOOL STUDENTS A.M. Fonseca, T. Cardoso	8374
PARTICIPATORY ACTION RESEARCH FOR DELIBERATELY CHANGING AN ORGANIZATION'S LEARNING STRUCTURE N. Sánchez Urien, M. Martínez Chávez, A. Canals Parera	8380
STUDYING ENGLISH IN SYNCHRONOUS ONLINE CLASSES WITH AND WITHOUT WEB CAMERAS N. Shlenskaya, N. Merzlikina, T. Laguttseva-Nogina, D. Zamel	8386

THE INNOVATION POTENTIAL OF OPEN EDUCATIONAL RESOURCES R. Farrow	8395
MICROSOFT TEAMS AS A PEDAGOGICAL INNOVATION TRIGGERED DURING AN EMERGENCY REMOTE LEARNING CONTEXT L. Costa, T. Cardoso, F. Pestana	8396
DIGITAL TECHNOLOGIES IN PRESCHOOL EDUCATION: A STUDY WITH CAPE VERDEAN EDUCATORS M.R. Patrício, C. Moreno	8403
PRIMARY TEACHERS' PROFESSIONAL DEVELOPMENT ABOUT MATHEMATICS ASSESSMENT USING TABLETOP GAMES A. Maffia, L. Silva	8408
IMPROVING MATHEMATICS APPRECIATION AND PERFORMANCE THROUGH INTEGRATING MUSIC AND VISUAL ARTS L. Deonath, S. Jaggernauth	8414
OVERCOMING PHYSICAL BOUNDARIES IN INTERNATIONAL COOPERATION: A MULTIDISCIPLINARY ICT & BUSINESS AND MEDIA DESIGN INTERNATIONAL PROJECT AS AN ONLINE DESIGN CHARRETTE I. Seruca, R. Lycklama À Nijeholt, C. Thomassen, P. Ferreira	8422
HOW TO FOSTER DIALOGICALITY IN GROUP INTERACTION? L. Aunimo, E. Gjerstad, V. Raulinaitis	8431
REINVENTING MOLECULAR BIOLOGY LABS DURING COVID-19 PANDEMIC AND APPLYING LESSONS LEARNED TO ITALIAN PLS VIRTUAL SUMMER SCHOOL FOR HIGH SCHOOL STUDENTS R. del Gaudio	8438
GAME-BASED LEARNING I. AN EXPERIENCE IN THE CLASSROOM ON THE USE OF KAHOOT! AS A LEARNING AND ASSESSMENT TOOL IN A MASTER'S DEGREE S. Rubio-Arraez	8439
GAME-BASED LEARNING II. AN INNOVATIVE RESEARCH IN THE CLASSROOM WITH REGARD TO THE USE OF QUIZIZZ IN A MASTER'S DEGREE S. Rubio-Arraez	8446
ANALYSIS OF THE REPERTOIRE OF METHODOLOGICAL STRATEGIES (PAPER) FOR TEACHING CHEMISTRY. HOW DO HIGH SCHOOL TEACHERS TEACH CHEMISTRY IN CHILE? S. Contreras	8454
VIRTUAL REALITY AS A NOVEL TOOL TO EVALUATE STUDENTS' SKILLS IN THE HOSPITALITY AND TOURISM SECTOR A.L. Yañez-Moneda, C.M. Montaudon-Tomas, I.N. Pinto-López	8461
FUTURE EMPLOYMENT TRENDS IN THE HOSPITALITY AND TOURISM SECTOR – CLOSING THE GAP THROUGH HIGHER EDUCATION PROGRAMS C.M. Montaudon-Tomas, A.L. Yañez-Moneda, I.N. Pinto-López	8468
3D PRINTING AS A RESOURCE FOR TEACHING AND LEARNING CYTOLOGY D. Cruz, V. Bremgartner	8476
ONLINE TEACHER EDUCATION ACROSS INTERNATIONAL BORDERS AND LANGUAGES: CONDUCTING AN ENGLISH-LANGUAGE ONLINE TEACHER EDUCATION COURSE FOR FIRST-YEAR TEACHER CANDIDATES IN CHINA R. Erwin	8482
THE TOMMAS PRINCIPLE: A GUIDE TO VIRTUOUS LEADERSHIP AND MANAGEMENT M. Slater, R. Slater	8487
AN ANALYSIS OF THE EDUCATIONAL PRACTICES IMPACTING THE PROGRESSION OF BLACK MALES IN FLORIDA PUBLIC SCHOOLS R. Ellis, T. McGriff-Farlin	8488
RETHINKING THE PEDAGOGY: THE CHALLENGES OF ONLINE LEARNING AND TEACHING IN PRACTICUM-BASED EDUCATION DURING COVID-19 PANDEMIC Y.M.K. Luk, K.K.M. Lai	8489
BLENDED LEARNING IMPLEMENTATION: A COMMUNITY COLLEGE STUDENTS' INSIGHTS I. Magboul, S. Saleh, H. Kuzat	8496
SERVICE-LEARNING AS AN AGENT FOR SOCIAL CHANGE A. Paune-lackson	8503

SHORT SURVEY ON OPEN SOURCE MATHEMATICAL SOFTWARE USEFUL IN TEACHING APPLIED MATHEMATICS N. Kasprikova	8510
STRATEGIC MANAGEMENT OF PRE-SCHOOL EDUCATION INSTITUTIONS IN NORTHERN LITHUANIA: THE CONTEXT OF STRATEGY SWOT ANALYSIS R. Bilbokaitė, I. Bilbokaitė-Skiauterienė, A. Juknevičienė	8514
COVID-19 AND PRE-SCHOOL: THE CONTEXT OF CURRICULUM MODELLING I. Bilbokaitė-Skiauterienė, R. Bilbokaitė	8521
HISTORICAL SUMMARY AND FUTURE DEVELOPMENT ANALYSIS OF ANIMAL EXERCISE Y. Qi, CY. Zhang, H. Kameda	8529
INTERNATIONALISATION OF HOME (IOH) - A CURRENT CHALLENGE FOR HIGHER EDUCATION IN NON-ENGLISH SPEAKING COUNTRIES – STU MTF STUDENTS' READINESS FOR ENGLISH EDUCATION ENVIRONMENT G. Chmelikova, Ľ. Hurajová	8539
DESIGN FOR ALL: AN INTERGENERATIONAL CO-DESIGN COP26 PROJECT P. Rodgers, A. McDonald, G. Gilliland, K. Egan	8545
CRITICAL THINKING IN THE UNIVERSITY COURSES: AN EXPERIENCE LASTING MANY YEARS M. Maiocchi	8554
E-LEARNING CONTENT IN TEACHING ADDITION AND SUBTRACTION WITHIN 10 V. Angelova, A. Nikolova	8560
HIGHER EDUCATION - A MECHANISM TO SUPPORT WELL-BEING AND MENTAL HEALTH L. Robson	8570
UNDERGRADUATE PERCEPTIONS OF DIFFERENT LEARNING EXPERIENCES THROUGH A PANDEMIC G. Liste, T. Buil, M. Plumed	8575
DESIGNING FUTURE ORIENTED CURRICULUM: METHODOLOGICAL APPROACH OF EUROPEAN CORPORATE SOCIAL ENTREPRENEURSHIP CURRICULUM A. Manickam, A.L.J. van Der Scheer, B. O'Gorman, L. Klemkaite	8580
TRANSFERABILITY OF TRANSFERABLE SKILLS: QUANTIFYING THE DEGREE TO WHICH A SKILL FACILITATES TRANSITION IN A RAPIDLY EVOLVING LANDSCAPE OF OCCUPATIONS A. Vista	8589
CRITICAL ARCHITECTURE. EDUCATIONAL INNOVATION PROJECT FOR THE DEVELOPMENT OF THE TRANSVERSAL COMPETENCE OF "CRITICAL THINKING" L. García-Soriano, C. Mileto, F. Vegas López-Manzanares, V. Cristini, Y. Hernández Navarro, M. Diodato	8594
RESILIENCE AND ADAPTABILITY IN PHARMACY: APPROACHES AND PERSPECTIVES FOR DISTANCE LEARNING IN THE UNDERGRADUATE AND POSTGRADUATE PROGRAM DURING THE COVID-19 PANDEMIC M.E. Gil-Alegre, I. Bravo-Osuna, M. Vicario-de-la-Torre, R. Ruiz-Caro, M.D. Veiga-Ochoa, I.T. Molina-Martínez, R. Herrero-Vanrell, V. Andrés-Guerrero	8600
MEDICAL STUDENT INTERACTIONS IN AN ONLINE NEAR-PEER TEACHING PROGRAMME E.H.Y. Chan, V.H.Y. Chan, J. Roed, J. Chen	8605
THE INTERPLAY OF LEARNING CULTURE AND MEDICAL STUDENTS' PERSPECTIVES TOWARDS A NEWLY IMPLEMENTED NEAR-PEER TEACHING PROGRAMME V.H.Y. Chan, E.H.Y. Chan, J. Roed, J. Chen	8606
CONCEPTUAL METAPHORS AS AN INTEGRAL PART OF JUDICIAL DISCOURSE IN CANADA AND THE USA E. Dmitrieva	8607
DEVELOPING A MOOC: TEACHING VOCABULARY TO THE BLIND LOWER-LEVEL EFL LEARNERS	8615
A. Astanina, Y. Boltenkova, A. Nevolina, V. Koksharov, S. Li, T. Rasskazova, G. Tkachuk, A. Baliasov	0610
DIDACTIC CONTAMINATIONS BETWEEN VISUAL DESIGN, BRANDING AND RELATIONAL VALUE. AN INTERNATIONAL AND EXPERIMENTAL TRAINING APPROACH FOR FUTURE GENERATIONS OF BRANDING EXPERTS R. Gaddi	8619

THE REGIMES OF TRUTH WHICH TEACHERS ADOPT ABOUT THE RELATIONSHIP BETWEEN GIRLS AND MATHEMATICS Z. Balambanidou	8627
PROSPECTS AND TASKS OF FUTURE EMPLOYMENT FROM STUDENTS VIEW L. Bannikova, A. Zhilin, I. Sholina	8635
PARADIGM SHIFTS IN ARCHITECTURE EDUCATION. AN ASSESSMENT ON COMMUNICATION AND CREATIVITY ON-LINE IN ISOLATION A.E. Voinea, L. Patachi	8641
FEATURES OF EDUCATIONAL AND PROFESSIONAL ATTITUDES OF TECHNICAL TRAINING AREAS STUDENTS IN THE CONTEXT OF THE COVID-19 PANDEMIC L. Boronina, A. Baliasov, I. Sholina	8651
DIGITAL TECHNOLOGIES FOR ELEARNING DURING LOCKDOWN: A COMPARATIVE STUDY D. Cranfield, A. Tick, I. Venter, R. Blignaut, K. Renaud	8658
TEACHING ARCHITECTURE DURING THE SARS-COV2 PANDEMIC. COMMUNICATION METHODS AND TUTORING IN THE FIRST YEAR DESIGN STUDIO L. Patachi, A.E. Voinea	8659
THE USE OF INFORMATION TECHNOLOGIES IN SUICIDE PREVENTION B. Jorge, A. Oliveira	8665
THE IMPLEMENTATION OF MASSIVE OPEN ONLINE COURSES (MOOC) AT THE FEDERAL INSTITUTE OF EDUCATION, SCIENCE AND TECHNOLOGY OF RONDÔNIA-IFRO	8670
E. Souza, I. Rodrigues de Souza Fausto, M. Rodrigues, R.M. Mariani Braz	
STUDY OF THE SOCIAL, TEACHING AND COGNITIVE PRESENCES IN A HYBRID LEARNING FRAMEWORK L. Babo, J. Mendonça, C. Pinto	8679
ENHANCING PROBLEM-SOLVING LEARNING EXPERIENCES IN AN AUTHENTIC BLENDED LEARNING ENVIRONMENT H. Tan	8688
ADAPTATIONS MADE IN ORTHODONTIC DENTISTRY CLINICS AT MEXICAN UNIVERSITIES DURING THE SARS2-COV-19 PANDEMIC R. Nieto-Aguilar, A. Aguilera-Méndez	8693
INNOVATIVE METHODOLOGIES FOR THE DIDACTICS OF FASHION PORTFOLIO: A FIELD RESEARCH EXPERIENCE R. Gaddi, P. Franzo	8699
MULTICULTURAL INCLUSION, INDIGENOUS PERSPECTIVES IN CANADA V. Sokolovskaya	8708
METHODOLOGICAL PROCESSING OF GASTRONOMIC SHORT STORIES USING MIRO.COM PLATFORM R. Radics	8713
STRATEGIES OF THE UNIVERSITY STUDENTS DURING THE STATE OF ALARM AND SITUATION OF CONFINEMENT TO FACE PROPERLY THEIR PROCESS OF UNIVERSITY TRAINING	8718
P. Alfageme García, C. Ledesma Alcazar, A.M. Pérez Pico, E. García Delgado, S. Hidalgo Ruiz, M. Moya Ignacio, L. Martin Cordero, R. Mayordomo Acevedo, E. Cubera Gonzalez, E. Mingorance Alvarez, J.F. Moran Cortes, E. Escamilla Martinez, R. Martínez Quintana	
A BETTER SCHEDULING OF LEARNING TASKS OVER TIME IN ENGINEERING MASTER'S PROGRAMS G.M. Moraru, D. Popa	8728
THE VISION OF ENGINEERING GRADUATES ON THE EXPECTED CHANGES IN MODERN ORGANIZATIONS G.M. Moraru, D. Popa	8733
THE RELATIONSHIP BETWEEN PRE-SERVICE TEACHERS' BURNOUT, SATISFACTION WITH ONLINE LEARNING, AND SELF-PERCEIVED PROFESSIONAL PREPAREDNESS A. Kutnjak, P. Poljak, I. Batarelo Kokic	8738
SOCIOMETRY AS A TOOL FOR BUILDING CLASS COMMUNITY BEFORE AND DURING COVID-19 PANDEMIC R. Machová, K. Baša	8739
IMPLEMENTATION OF MOVEMENT-BASED ACTIVITIES DURING "READING" WORDLESS PICTURE BOOKS AT PRIMARY LEVEL OF EDUCATION I Harnothono	8749

LEARNERS' READING SELF-EFFICACY FOR ONLINE AND PRINT READING IN TWO SOUTH AFRICAN SCHOOLS N. Boakye	8754
DOES USING SELF-DEVELOPED CASE STUDIES IMPACT ON STUDENT CONFIDENCE WITHIN CASE-BASED LEARNING? AN ACTION RESEARCH STUDY J. Linforth	8755
DEVELOPMENT OF THE MATH SKILLS AND COMPETENCES IN THE ENGINEERING- TECHNOLOGICAL CURRICULUMS L. Turmanidze, M. Dzadzama, N. Mazmishvili, M. Takidze	8764
TACKLING DIGITAL DISINFORMATION THROUGH SERIOUS GAMES I. Calin, A. Ionescu, L. Vladu	8768
COMPETENCE-BASED LEARNING IN LIGHT OF THE BOLOGNA PROCESS IN GEORGIA L. Turmanidze, N. Mazmishvili	8777
BLENDED LEARNING DURING COVID-19: A SYSTEMATIC REVIEW ON LESSONS LEARNED AND FUTURE APPLICATIONS C. Kairu	8783
EDUCATION FOR URBAN REGENERATION: THEORY-PRACTICE DIALOGUE IN THE CONTEXT OF A CHANGING PLANNING SYSTEM M. Tasheva-Petrova	8793
EXPLORING REGENERATIVE PRINCIPLES AND PRACTICES FOR DESIGNING A POSTGRADUATE TRANSDISCIPLINARY LEARNING STUDIO T. Golja, C. Marshall, S. Walsh, A. Buck	8804
DIAGNOSIS OF THE PREPARATION OF HIGH SCHOOL STUDENTS FOR UNIVERSITY ADMISSION: GOOD PEDAGOGICAL PRACTICES FROM PACE- UNIVERSIDAD DE TALCA PROGRAM	8805
P. Arcia, I. Baeza, T. Mascaró, P. Fuentes, E. Ubilla, C. Retamal, P. Manríquez INTERNATIONAL STUDENTS' PERCEPTIONS OF THE IMPORTANCE OF HAVING AN	8814
INTRODUCTION INTO INDIGENOUS CULTURE IN A MENTORING PROGRAMME D. Lopez	
USING A MENTORING PROGRAMME TO PREPARE INTERNATIONAL STUDENTS FOR JOBS IN INDUSTRY IN NEW ZEALAND D. Lopez	8819
THE IMPACT OF INNOVATION AND EMERGING TECHNOLOGIES ON DESIGN EDUCATION: A STUDY ON THE FOOTWEAR SECTOR T.V.A. Le, T. Bui	8824
TESTING ENGLISH CONVERSATIONAL SPEAKING ABILITY: AN INNOVATIVE APPROACH D. Newbury, N. Onaka, J. Petersen	8831
INTEGRATED COURSE- BREASTFEEDING AND EARLY INTERACTION A. Kärema, A. Ezeonodo, L. Hannula, M. Põldma	8839
FOUR CASE STUDIES ON APPLYING ALTERNATIVE ASSESSMENTS IN HIGHER EDUCATION WITH TECHNOLOGY TOOLS TO FACILITATE TEACHING AND LEARNING	8843
S.C. Kong, S.S.M. Lam, W.W.M. Lam, K.K.M. Lau, L.T.S. Yee, S.N. Yung	
THE USE OF AN ADAPTIVE LEARNING SYSTEM FOR A - LEVEL MODULE IN MALAYSIA K.R. Selvaraj, R. Ramalingam, R. Ramakrishnan	8851
RUSSIAN EDUCATION EXPORT TO PEOPLE'S REPUBLIC OF CHINA. EXPERIENCE OF THE URAL FEDERAL UNIVERSITY A. Nevolina, G. Tkachuk, O. Bazhenov, A. Barashev, S. Li	8855
CHILDREN AS ACTIVE RESEARCH PARTICIPANTS: A REVIEW OF RESEARCH METHODOLOGIES WITH CHILDREN V. Christopher	8864
A SYSTEMATIC LITERATURE REVIEW ON BENEFITS, CHALLENGES, AND POLICY ON IMPLEMENTATION OF LEARNING ANALYTICS AT HIGHER EDUCATION INSTITUTIONS M. Klačmer Čalopa, P. Vondra, I. Dunđek Kokotec	8873
THE ECOLOGICAL SYSTEM OF PRINCIPALS' WORK AND THE PERSONAL	8883
EXPERIENCE OF INTERACTION WITH AND BETWEEN DIFFERENT ELEMENTS M. Elomaa, S. Eskelä-Haapanen, E. Pakarinen, L. Halttunen, M.K. Lerkkanen	2000

EXPLORING CREATIVE ARTISTIC PROCESS IN THREE ART CLASSROOMS D. Kuscevic, I. Batarelo Kokic, K. Selak	8884
THE USE OF THE THYMIO ROBOT AND SOCIALIZATION PROCESSES IN THE NURSERY SCHOOL S. Brignone, R. Grimaldi, S. Palmieri, A. Vitanza	8894
BECOMING A FOOD MICROBIAL BIOINFORMATICIAN: THE EXPERIENCE OF THE LEGO PROJECT F. Pompei, V. Castello, A. Chiaverini, A. de Benito Armas, S. Del Vecchio, J. Espí, A. Falconi, A.	8902
Heikinheimo, V. Johansson, F. Pomilio, M. Recchioni, C. Serrano Brocas, M. Siwek, A. Slawinska, M. Verkola, S. D'Albenzio	
TRANSFORMING A RESIDENTIAL COURSE ON RESEARCH ARTICLE WRITING INTO AN ONLINE LEARNING EXPERIENCE O. Pediconi, V. Matarese	8912
ENHANCEMENT OF SKILLS OF MARKETING STUDENTS WITH FOCUS ON SOCIAL MEDIA MARKETING R. Bilkova, J. Jech	8918
EVALUATION OF PREVENTION OF SOCIALLY UNDESIRABLE BEHAVIOUR OF STUDENTS AND MANAGEMENT OF PREVENTIVE EDUCATIONAL ACTIVITIES K. Němejc, K. Tomšíková, R. Dytrtová	8927
DO YOU REALLY KNOW WHAT YOU ARE SEEING IN THAT LANDSCAPE? A TECHNOLOGICAL TOOL TO LEARN HOW TO INTERPRET THE EUROPEAN CULTURAL LANDSCAPES BY TRAIN A. López-Rodriguez, A.B. Berrocal Menárguez, C. Zamorano Martín	8936
RAILTOLAND, A COLLECTIVE IDEATION PLATFORM TO DEVELOP INNOVATIVE TOOLS TO COMMUNICATE THE EUROPEAN CULTURAL LANDSCAPES BY TRAIN A.B. Berrocal Menárguez, A. López-Rodriguez, C. Zamorano Martín	8942
MATHEMATICS ACADEMIC SUCCESS IN ENGINEERING UNDERGRADUATE: AN INDIVIDUAL WORK PLAN TO INFLUENCE EDUCATIONAL LEARNING PATHS M.E. Bigotte de Almeida, J.R. Branco, C. Fidalgo, L. Margalho	8950
KNOWLEDGE CAFÉS IN ACADEMIA: A VEHICLE FOR KNOWLEDGE SHARING D. Cranfield, S. Evans, D. Gurteen, I. Venter	8957
THE CONTRIBUTION OF THE APPLIED BACHELOR'S THESIS FOR THE DIDACTIC THINKING OF FUTURE PRESCHOOL TEACHERS A. Machová, M. Dabergerová, H. Navrátilová	8958
IMPROVING THE TEACHING STANDARDS OF RUSSIAN AS A FOREIGN LANGUAGE: URAL FEDERAL UNIVERSITY EXPERIENCE J. Daminova, A. Okhotnikova, D. Bulatova, A. Nevolina	8964
DEVELOPMENT OF EFFECTIVENESS CRITERIA FOR AN INCLUSIVE EVENT: SCIENTIFIC AND PRACTICAL CONFERENCE O. Kolpashchikov, K. Barannikov, A. Nevolina, G. Tkachuk, E. Bloch	8968
JUST-IN TIME TEACHING AND PEER-INSTRUCTION. AN EXPERIENCE IN HIGHER EDUCATION J.S. Artal-Sevil, E. Romero	8973
QUALITY IN HIGHER EDUCATION: ENSURED, PERCEIVED, INFERRED OR JUST A MARKET ISSUE? R. Vilanova, J. Vicario, A. Morell	8985
ELUCIDATING THE FUNDAMENTALITY OF INSTRUCTIONAL STRATEGIES IN THE INTEGRATION OF ENVIRONMENTAL EDUCATION IN PRIMARY SCHOOL L. Sikhosana	8992
TEACHERS' BELIEFS ON THE CHALLENGES TO THE SUCCESSFUL IMPLEMENTATION OF INQUIRY-BASED LEARNING IN PRIMARY SCIENCE CLASSES A. Letina	9001
MEDIA COMPETENCE DEVELOPMENT THROUGH THE PODCASTS IN THE INTERDISCIPLINARY OVERLAP OF FOREIGN LANGUAGE TEACHING AND JOURNALISM O. Wrede, D. Nováčiková	9011
TANGIBLE PROGRAMMING IN TEACHING INITIAL PROGRAMMING TO PRESCHOOL AND EARLY-SCHOOL STUDENTS I. Jerčić, S. Mladenović, D. Krpan, G. Zaharija	9017
WHAT ARE THE FACTORS AFFECTING PERFORMANCE IN HIGH-STAKES POSTGRADUATE MEDICAL EXAMINATIONS? E.S. Henry	9025

CHANGING THE ATTITUDE OF SCHOOLCHILDREN TO A HEALTHY LIFESTYLE AS A NECESSARY CONDITION OF THE ECOLOGICAL COMPONENT OF A SAFE EDUCATIONAL ENVIRONMENT WHEN IMPLEMENTING A DISTANCE LEARNING FORMAT N. Tsvirko, S. Tyurenkova, A. Shumakova, O.G. Bogdanova, N. Sivolobova	9026
VALUATION OF SCHOOL COUNSELORS ABOUT PACE-UTALCA PROGRAM SUPPORT: BEST PRACTICES FOR PANDEMIC TIMES P. Fuentes, I. Baeza, C. Lorca, E. Ubilla, C. Retamal, T. Mascaró	9034
DEVELOPING ARDUINO LABORATORY INSTRUMENTS AND SMART DEVICES IN A SCHOOL MAKERSPACE N. Papadimitropoulos, E. Pavlatou	9039
STUDENTS' PERCEIVED LEARNING AND SATISFACTION IN AN ONLINE MATHEMATICS EDUCATION COURSE WITH INTEGRATED SCAFFOLDING STRATEGIES IN TRINIDAD AND TOBAGO S. Jaggernauth	9046
HOW PHYSICAL AND VIRTUAL MANIPULATIVES AFFECT PRESCHOOLERS' CONCEPTUAL UNDERSTANDING REGARDING THE SINKING AND FLOATING OF OBJECTS? Y. Pavlou, M. Papaevripidou, Z. Zacharia	9047
SOCIAL SENSORS AND POST-PANDEMIC COMMUNITIES. INTRODUCING PROXIMITY SENSING AND PERSONAL DATA MANAGEMENT CHALLENGES IN DESIGN EDUCATION M. Quaggiotto	9052
DESIGNING ONLINE COURSES: LESSONS LEARNED AND SOME DATABASED CONSIDERATIONS C. Müller	9059
SOCIAL LEADERSHIP DEVELOPMENT FOR THIRD SECTOR CAPACITY BUILDING: LESSONS LEARNT FROM INSPIRE PROJECT L. Klemkaite, M.T. Sánchez Aparicio	9065
EQUITY IN EDUCATION: CHALLENGES AND BENEFITS V. Grishenko, S. Reztsova, N. Stepanova	9070
TEACHING STRATEGY TO GENERATE MEANINGFUL LEARNING IN COMPUTER SCIENCE STUDENTS THROUGH DISTANCE LEARNING MODEL L.H. González Guerra, A.J. Leal Flores	9075
ASSESSMENT OF ONLINE LEARNING EFFICIENCY WHEN STUDYING NATURAL SCIENCES IN LOWER SECONDARY SCHOOL IN BULGARIA (10-14 YEAR-OLD STUDENTS) D. Karagyozova-Dilkova, Z. Raykova, S. Petrova, K. Katsarova, D. Dimova, K. Vitlarov, M. Dakova, M.	9082
Atanasova, A. Mollov CAPACITY BUILDING USING AN OPEN-ACCESS E-PARASITOLOGY PHONE APP	9088
A. Peña-Fernández, S. Koroma, L. Acosta, G. Torrado, M.A. Peña THE VITAL IMPORTANCE OF DEVELOPING A SENSE OF BELONGING IN THE ONLINE CLASSROOM K. Tindle	9092
INCORPORATING SOFT SKILLS INTO FOREIGN LANGUAGE TEACHING: CHOICES AND CHALLENGES V. Grishenko, S. Reztsova, N. Stepanova	9093
INDUSTRY 4.0 – HOW TO INTRODUCE ITS CONCEPTS INTO THE TRAINING OF MECHATRONICS ENGINEERS C.D. Petru, M. Tera, C.E. Gîrjob, C.M. Biriş	9099
INTRODUCTION OF E-BIOLOGY AT TWO ENGLISH UNIVERSITIES TO STRENGTHEN SELF-LEARNING OF 'CLINICAL SKILLS' A. Peña-Fernández, M.A. Peña, S. Smith, M.D. Evans, G. Torrado, C. Breda, M.J. Randles	9104
EXPLORING HOW A GAME ANALOGY ENABLES AND/OR CONSTRAINS SENSE MAKING OF CHEMICAL EQUILIBRIUM CONCEPTS K.M. Ngcoza	9110
PEDAGOGICAL INTERACTION IN THE CONDITIONS OF DISTANCE AND E- LEARNING IN NATURAL SCIENCES - A SURVEY IN BULGARIAN SECONDARY SCHOOLS	9118
D. Karagyozova-Dilkova, ZH. Raykova, S. Petrova, K. Katsarova, D. Dimova, K. Vitlarov, M. Dakova, M. Atanasova, A. Mollov	

ONLINE TEACHING ACTIVITIES DUE TO COVID-19 - CASE STUDY FOR THE MECHATRONICS STUDY PROGRAMME R.E. Breaz, S.G. Racz, M. Tera, C.E. Gîrjob, C.M. Biriş	9125
TELE-HEALTHCARE IN RESEARCH AND EDUCATION: GENDER DIFFERENCES IN ACCESS AND UTILIZATION OF RESOURCES M. Murphy, W. Hills	9131
PODCASTS AS TEACHING TOOLS TO FACILITATE STUDENT DISCUSSION AND REFLECTION OF COMPLEX COURSE MATERIAL K. Siren	9138
APPROACHES FOR EDUCATION IN SUSTAINABLE DEVELOPMENT AND REGIONAL PLANNING D. Yordanova	9144
A TEACHING INNOVATION PROJECT FOR THE DEGREE IN TOURISM B. Manzano Vázquez	9150
FROM BODY WORKSHOPS TO CO-RESEARCHER TEACHERS: A STUDY ON THE EDUCATIONAL VALUE OF BIODANZA IN PRIMARY SCHOOL CONTEXTS. PRE AND POST PANDEMIC REFLECTIONS N. Ferri	9151
GENERAL DATA PROTECTION REGULATION (GDPR) AWARENESS TRAINING OPPORTUNITIES IN LITHUANIA A. Šidlauskas	9158
SMART TEACHING SITUATION OF JUNIOR HIGH SCHOOL TEACHERS IN NORTH- EASTERN OF THAILAND T. Manakul, A. Somabut, K. Tuamsuk	9167
WHAT THE EVALUATION IN HIGHER EDUCATION BRINGS TO THE QUALITY OF DIDACTIC PROCESS? BETWEEN THEORY AND PRACTICE. A CASE OF A REGIONAL UNIVERSITY IN POLAND D. Szaban, M. Kowalski	9168
USING TECHNOLOGY FOR ADAPTIVE DIGITAL COMMUNICATION STRATEGIES DURING THE COVID19 PANDEMIC R.S. Ciochina, D.M. Cismaru, A. Negru	9173
SKILLS IN LEAGUE WITH LITERACY: NORWEGIAN PERSPECTIVE ON ETHICAL DIMENSIONS OF DIGITAL COMPETENCE B. Godejord	9177
EXPLORING CULTURAL INTELLIGENCE SKILLS AMONG ROMANIAN MIGRANTS LIVING IN NETHERLANDS D.M. Cismaru, R.S. Ciochina, D.A. Radu	9184
TEACHING 5G PRINCIPLES TO STUDENTS IN A PANDEMIC N. Vakrilov, N. Kafadarova, T. Lovchaliev	9193
A REVIEW OF ONLINE CHEATING METHODS AND PREVENTION MECHANISMS IN HIGHER EDUCATION K. Adzima	9198
EXTENDED AND IMPROVED CO-CREATION APPROACHES A. Ascani, P. Bolzan, L. Grosso	9199
PUTTING ADULT LEARNERS NEEDS AT THE CENTRE OF ASSESSMENT PROVISION: REFLECTIONS ON ASSESSMENT DESIGN FOR ADULT LEARNERS RETURNING TO EDUCATION, USING THE ANALYTICAL LENS OF BEHAVIOURAL SCIENCE G. Creaner, S. Creaner, C. Creaner	9207
EDUCATION FOR SUSTAINABLE DEVELOPMENT: FINAL DEGREE PROJECTS OF COLLABORATION IN CIRCULAR ECONOMY C. Marieta, I. Leon, A.M. Guerrero	9215
DIGITAL ENTREPRENEURSHIP PROJECT. PILOT QUESTIONNAIRE ANALYSIS M. Corbalán Sánchez	9219
EFFECTIVENESS AND SATISFACTION OF UNDERGRADUATE TUTORING IN PERUVIAN PUBLIC UNIVERSITIES LL. Nuñez, N. Regalado, N. Nuñez, N. Chinchay, S. Aliaga	9228
THE VIRTUAL LABORATORIES AS A MEANS OF TRAINING STUDENTS IN ENGINEERING EDUCATION IN THE CONDITIONS OF COVID-19 A. Chekichev, R. Popov, S. Asenov	9234
GAME-BASED LEARNING IN PRIMARY SCIENCE AND SOCIAL STUDIES A. Letina	9239

PARADIGM SHIFT IN HIGHER EDUCATION PEDAGOGIES ECOSYSTEM IN 4IR ERA A. Chopra, E. Zabalawi, A.R. Chopra	9248
BEYOND COMPUTER SCIENCE – SCIENCE+COMPUTING: THE INTEGRATION OF COMPUTATIONAL TOOLS AND PROCESSES INTO ACADEMIC DISCIPLINES J. Malyn-Smith	9261
REVISITING THE ASSESSMENT CRITERIA FOR APPLIED TFGS IN THE FIELD OF HUMANITIES P. Pérez-Sobrino, L. Pérez-Hernández	9262
A STUDY ON MOOD INSTABILITY THOUGH NATURAL LANGUAGE PROCESSING IN UNIVERSITY STUDENTS AFTER THE COVID-19 OUTBREAK C. Moret-Tatay, A. Cloquell, M. Pérez-Bermejo, F. Arteaga	9268
MAKING ROOM FOR INNOVATION - ENGINEERING EDUCATION IN THE 21ST CENTURY E. Gur	9274
CHALLENGES IN ONLINE EXAMS FOR ENGINEERING UNDERGRADUATE COURSES E. Gur	9279
THE ENGLISH-LANGUAGE CONCEPTUALIZATION OF GLOBAL ORDER IN CONSTRUCTIVIST LEARNING N. Britsyna	9284
REIMAGINING DISCUSSION BOARD POSTINGS J. Prince	9293
ADAPTATION OF THE DELPHI TECHNIQUE IN THE DEVELOPMENT OF ASSESSMENTS OF PROBLEM-SOLVING IN COMPUTER ADAPTIVE TESTING ENVIRONMENTS (DEAP-CAT) K. Koskey, D. Bright, K. Struloeff, T. Sondergeld, G. Stone, J. Bostic, G. Matney	9299
VIRTUAL COMMUNITIES OF PRACTICE AS AN INSTRUMENT OF KNOWLEDGE MANAGEMENT IN PUBLIC ORGANIZATIONS: REFLECTIONS ON INDIVIDUAL AND INSTITUTIONAL BENEFITS J. Baronio, A. Grunewald Nichele	9307
MOTIVATING LEARNING WITH THE USE OF DIGITAL MEDIA IN THE MIDST OF A PANDEMIC E. Flores, M. Barrenechea	9315
THE POWER OF THE AUTHOR: PROTAGONIST PROFILE IN A PANDEMIC SCREENWRITING COURSE A.P. Solis	9321
HEALTH PROMOTION IN PRIMARY EDUCATION: HOW DO TEXTBOOKS FOSTER HYGIENE AND PREVENTION OF INFECTIONS? J. Torres, S. Sá	9330
LIFELONG LEARNING OF TEACHERS OF TECHNICAL SUBJECTS J. Depesova, P. Janíček	9335
LANGUAGE LEARNING DURING A PANDEMIC: STUDENT ENGAGEMENT AND COMMUNICATIVE COMPETENCE DEVELOPMENT THROUGH TECHNOLOGY-BASED ACTIVITIES A. Simões	9341
NEW OPPORTUNITIES OF USING VIDEO MATERIALS WHEN TEACHING FOREIGN LANGUAGES ONLINE O. Khaleeva, A. Kuvaeva, I. Leshutina, Y. Naumenko, L. Vokhmina	9351
LIFELONG LEARNING SYSTEM IN PROFESSIONAL TECHNICAL PRACTICE J. Depesova, P. Janíček	9357
ONTOLOGIES FOR AUGMENTED REALITY IN CULTURAL EDUCATION: STATE OF THE ART AND PERSPECTIVES A. Vlachos, M. Perifanou, A. Economides	9365
COVID-19, DIGITAL EXPLOSION AND EQUITY IN HIGHER EDUCATION: DIVERSITY, EQUITY AND INCLUSION IN THE TEACHING/LEARNING PROCESS V. Anyikwa, P. Scott, K. Louis-Caines	9372
PODCAST AS A (RE)DISCOVERED GENRE AND DYNAMICALLY DEVELOPED MEDIA CONVERGENCE EXAMPLE D. Nováčiková	9373
TEACHER'S DECISION-MAKING AND REFLECTION ON MATHEMATICS TEACHING TO STUDENTS WITH INTELLECTUAL DISABILITY V. Chrysikov. P. Starrovski, C. Stathonoulou	9378

DANGERS OF LETTING CHILDREN USE INTERNET SERVICES L. Kurilovská, T. Hajdúková	9384
INVESTIGATING FEAR OF FAILURE M. Pencheva	9391
FAMILY FIRMS AND FINANCIAL LITERACY D. Kubíčková, I. Jindřichovska, V. Nulicek	9400
DEVELOPING AND MANAGING INTERNSHIP PROGRAMS IN A HIGHER EDUCATION INSTITUTION: THE CASE OF JURAJ DOBRILA UNIVERSITY OF PULA T. Golja, M. Rajko	9411
INCIDENTAL LEARNING OF EFL VOCABULARY IN STUDENTS WITH DYSLEXIA S. Noccetti	9421
USE OF THE LABVIEW VIRTUAL INSTRUMENT IN THE ENGINEERING EDUCATION A. Chekichev, R. Popov, S. Asenov	9428
IMMUNOLOGY FOR A SPIRALLED UNDERGRADUATE MEDICAL CURRICULUM A. Beverland	9433
PRINCIPALS' AND TEACHERS' PERCEPTIONS OF FACTORS AFFECTING LEADERSHIP AND MANAGEMENT PRACTICES IN SCHOOLS OF QUMBU EDUCATION DISTRICT S.A. Tachie, N. Ndlame, B.Z. Gobingca	9434
AI GOES TO SCHOOL: HOW TO TEACH ARTIFICIAL INTELLIGENCE TO PRIMARY SCHOOL STUDENTS D. Krpan, S. Mladenović, D. Brčić	9442
DISTANCE TEACHING EFFICACY IN HIGHER EDUCATION DURING COVID-19 IN RUSSIA L. Yarovaya, O. Yarovaya, E. Bogatskaya	9448
ONLINE LEARNING AS A TYPE OF EDUCATIONAL ACTIVITY IN ADDITIONAL ADULT EDUCATION E. Yarovaya, O. Yarovaya, E. Bogatskaya	9456
THE TRANSITION FROM FACE-TO-FACE TEACHING TO DISTANCE LEARNING IN HIGHER EDUCATION: AN EMPIRICAL STUDY WITH STUDENTS AT UNIVERSIDADE LUSÓFONA F. Reis, J. Vicente, H. Pimentel	9466
THE ROLE OF QUALITY EDUCATION AND THE IMPORTANCE OF LEADERSHIP AND ADAPTABILITY IN THE NEW CHALLENGING TIMES OF COVID-19 OR HOW TO EDUCATE NEW GENERATION OF LEADERS IN DIGITAL EDUCATION ERA B. Tetevenska, M. Pavlova	9472
METAPHORICAL GROUND OF THE ENGLISH-LANGUAGE REPRESENTATION OF GLOBAL ORDER FOR "LEARNING BY DOING" N. Britsyna	9478
PROFESSIONALISM OF A MODERN TEACHER IN THE FOCUS OF STUDENT OPINION N. Klescheva, M. Bernavskaya	9485
CHALLENGES OF ONLINE TEACHING-LEARNING/DISTANCE LEARNING CONTEXT IN HIGHER EDUCATION DUE TO COVID-19: AN EMPIRICAL STUDY APPLIED TO LUSÓFONA UNIVERSITY HUMANITIES AND TECHNOLOGIES STUDENTS (LISBON) F. Reis, J. Vicente, H. Pimentel	9490
STUDY OF EFFECTIVENESS, EFFICIENCY, AND SATISFACTION OF TEACHERS IN THE CONTEXT OF A NATIONAL 3D DESIGN AND PRINTING STUDENT CONTEST D. Tsiastoudis, H. Polatoglou	9495
DISCOVERING COSMIC RAYS WITH OCRA: ONLINE LABS FOR STUDENTS AND TEACHERS C. Aramo, R. Antolini, V. Bocci, M. Buscemi, L. Caccianiga, A. Candela, G. Cataldi, R. Colalillo, M.R. Coluccia, F. Convenga, F. de Palma, G. Di Sciascio, P. Di Nezza, C. Evoli, S. Hemmer, G. Galbato, A. Giampaoli, F. Iacoangeli, D. Liguori, S. Miozzi, R. Paoletti, N. Rossi, D. Rozza, M. Schioppa, I. Veronesi	9504
THE EXPERIENCE OF REMOTE WORK OF TEACHERS AT A UNIVERSITY IN THE CONDITIONS OF THE PANDEMIC: TEACHING CHANGE IN MODERN HIGHER EDUCATION E. Butrime	9510
BUILDING VIRTUAL COMMUNITIES FOR MARKETS AND EMPLOYMENT A. Leider, A. Strobel	9520
MAPPING NATIVE LANGUAGE TEACHERS' EDUCATION IN EUROPE: CONTRIBUTIONS OF THE MATE PROJECT A. Mesauita, I., Oliveira, A. Oliveira, S. Seaueira, P. Silva	9524

MAIN CONFLICTS IN THE PEDAGOGICAL COLLECTIVE IN GENERAL EDUCATION SCHOOLS Z. Onzimba Lenyungo	9525
EXPLORING THE PEDAGOGY OF EPORTFOLIO TOOL WITH REFLECTION ON TRANSFERABLE SKILLS FOR BUSINESS ANALYSIS STUDENTS N. Davids-Latief, L. Kimani, M. Nelwamondo	9530
TEACHING DECISION THEORY IN CLASSROOM EXPERIMENTS WITH THE USE OF TECHNOLOGIES G. Bimonte, F.S. Tortoriello, I. Veronesi	9541
SUPPORTING HISPANIC STUDENTS IN ACHIEVING ACADEMIC SUCCESS: ENGAGING PARENTS, STUDENTS, PROFESSIONAL RETIREES AND THE COMMUNITY IN A LEARNING ACTIVITY G. Benavides	9547
MOTIVATING FOR LEARNING PHYSICS THROUGH PBL: DIDACTIC PROPOSAL "THE FORCE IS WITH YOU" M.M. López-Gómez, B. Cara, A. Garzón-Fernández	9554
TEENAGERS' SPECIFICITIES OF CONFLICT BEHAVIOUR Z. Onzimba Lenyungo	9561
REPRESENTATION LEVELS FOR TEACHING OF CHEMISTRY IN SECONDARY SCHOOL. ANALYSIS OF THE CONCEPTUAL REPERTOIRE AND ITS IMPLICATIONS FOR TRAINING TEACHERS S. Contreras	9566
GET READY, BUCKLE UP AND LET'S TEACH FOR THE PAST AND FOR THE FUTURE $N.\ Hutto$	9573
COVID-19 NEWS A WAY TO PROMOTE STATISTICS CLASSES C. Silvestre, P. Frazão	9574
TRAINING IN TIME MANAGEMENT: A CASE STUDY IN AN OUTERMOST INSULAR CONTEXT L.F. Sardinha, Á. Sousa, E. Leite, A. Carvalho	9579
ARS@TEACHING & LEARNING C. Almeida Aguiar	9590
CHALLENGES AND OPPORTUNITIES PRESENTED BY COVID-19 IN LEARNING, TEACHING AND ASSESSMENT IN HIGHER EDUCATION: A LITERATURE REVIEW T. Dube, S.R. Williams, C. Nwabunike	9591
MATHEMATICAL MODELLING TASKS AS A MOTIVATING METHODOLOGY IN PRIMARY EDUCATION H. Campos, A. Matos	9596
IDENTIFYING AND FOSTERING TEACHER DISPOSITIONS IN CONTEXT J. Fonseca-Chacana	9601
MENTORING: EMPLOYABILITY-DRIVEN LEARNING – A TOOL TO DEVELOP SKILLS FOR POST GRADUATE STUDENTS M. Setlhako	9606
HOMEGROWN ACOUSTIC DATA TRANSMISSION: AN EXAMINATION OF WAVE-GUI S. Ellington, V. Titenko, D. Chan, M. Yun, L. Deligiannidis	9612
DESIGNING LANGUAGE ACTIVITIES FOR E-TANDEM LEARNING IN AN OPEN ONLINE LANGUAGE LEARNING ENVIRONMENT PROMOTING MEDIATION, INTERCULTURAL AND LINGUISTIC SKILLS M. Perifanou	9621
VICTR: VIRTUALIZED INFRASTRUCTURE WITH CYBER AND TESTBED RESOURCES A. Lohr, J. Thebarge, M. Kwong, M. Yun, M. Ellabidy	9628
DISAGREEMENTS RELATED TO THE EXPECTATIONS FOR TEACHERS IN EARLY CHILDHOOD EDUCATION U. Härkönen	9636
MODELLING AS A METHODOLOGY REVEALING THE PRESENCE AND USEFULNESS OF MATHEMATICS IN EVERYDAY LIFE OF PRIMARY SCHOOL STUDENTS H. Campos, A. Matos	9646
ACADEMIC RICHNESS TO GUIDE SUSTAINABILITY OF SMALL TO MEDIUM ENTERPRISES (SMES) WITHIN BUSINESS TRAINING PROGRAMMES IN EMERGING ECONOMIES - A SOUTH AFRICAN HIGHER EDUCATION CONTEXT N. Mitana (Mita) M. Kachunda	9651

PROBES AS CREATIVE, CO-INQUIRY METHODS: INSIGHTS FROM AN HISTORICAL STUDY T. Golja, T. Clerke	9661
MINDFULNESS-BASED STRESS REDUCTION (MBSR) STRATEGIES TO ASSIST DESIGN STUDENTS DURING COVID -19 PANDEMIC V. Jani	9672
PLANNING FOR THE UNEXPECTED THROUGH ACADEMIC CONTINUITY C. Morales	9673
THE ROLE OF AN ONLINE CAMPUS DURING THE TRANSITION FROM FACE-TO-FACE TO REMOTE LEARNING: RECOMMENDATIONS FROM PRACTICE C. Morales	9677
IMPACT OF COVID-19 PANDEMIC ON FUTURE OF DESIGN EDUCATION V. Jani	9681
USE OF YOUTUBE AS A LEARNING TOOL IN THE FLIPPED CLASSROOM MODEL L. Enciso	9682
DEVELOPING MINDFULNESS IN COLLEGE STUDENTS IN COVID-19 ERA THROUGH DESIGN, TECHNOLOGY, AND SOCIAL MEDIA A. Bayless, R. Bowman, D. Conley, J. Wilson, V. Jani	9687
LMS AND ITS LEVEL OF IMPACT ON COLLABORATIVE LEARNING IN COMPUTER ENGINEERING SUBJECTS L. Enciso, E. Zelaya	9688
CAN USE OF HYFLEX LEARNING WITH INTEGRATED TECHNOLOGIES IN COVID-19 ERA MOTIVATE STUDENTS? M. Garrett, N.M. Reimert Burró, W. Smith, H. Woodyard, V. Jani	9695
CANVA AND GENIALLY AS TOOLS TO GENERATE INTERACTIVE EDUCATIONAL RESOURCES L. Enciso, E. Zelaya	9696
SYSTEMATIC MAPPING STUDIES IN FLIPPED CLASSROOM L. Enciso	9702
DESIGN GUIDELINES FOR DEVELOPING SPACES TO PRACTICE MINDFULNESS IN HIGHER EDUCATION E. Doherty, H. Conan, A. O'Conner, C. Yackley, V. Jani	9709
EDUCATION WITH PUBLIC FUNDS FOR SMALL MEDIUM MICRO ENTERPRISES (SMMES) IN TIMES OF PANDEMIC, THE CASE OF CHILE J. Alarcón Castro, J.D. Brañes Alarcón, J.C. Brañes Alarcón	9710
INNOVATING IN RURAL EDUCATION IN CHILE: EXPERIENCES AND OPPORTUNITIES OF THE COMPASS METHODOLOGY J. Alarcón Castro	9714
DEVELOPING MINDFULNESS ENVIRONMENTS FROM A DIVERSE CULTURAL PERSPECTIVE FOR POST COVID-19 EDUCATION M. Heninger, S. Kohman, B. Rowland, B. Schmitz, V. Jani	9718
PLACES, SPACES, AND INTERFACES FOR FLEXIBLE LEARNING M. Hanigsman, C. Hannan, L. Steinacker, I. Reimschisel, V. Jani	9719
EVALUATION OF PRIVATE TUTORING SATISFACTION IN RUSSIA: EVIDENCE FROM WEBSITE TESTIMONIALS A. Getman, A. Parinov	9720
EVALUATION OF PRIVATE TUTORS' CERTIFICATION IN RUSSIA: EFFECTS AND IMPLICATIONS A. Getman	9724
IMPACTS OF THE COVID-19 PANDEMIC ON EDUCATION FUNDING IN SLOVAKIA V. Soltes, J. Durica	9729
EFFECT OF DISTANCE LEARNING ON THE TRAINING OF CRISIS MANAGERS DURING PANDEMIC INCLUDING ECONOMIC IMPACTS AND SAFETY J. Kubas, A. Kelisek, S. Strelcova, V. Soltes	9735
THE IMPACT OF PROCRASTINATION ON GENERAL WELL-BEING. CAN SOCIAL MEDIA AND A MINDFULNESS APPROACH EXERCISE AN IMPACT ON CURING THIS MODERN MALADY AMONG STUDENTS? 1.I. Gradinescu, E.F. Grejdan, E. Goga, M.C. Orzan	9742
A REVIEW OF CROSS-CAMPUS TEACHING PROJECTS A. Mavroudi, V. Gynnild	9752
· ···· - · ···· · · · · · · · · · · · ·	

DEVELOPMENT OF LEARNING ASSISTANCE ENVIRONMENT FOR PROLONGED EVACUATION LIFE WITH EDGE DEVICES IN THE ERA OF MASSIVE NATURAL DISASTERS S. Togawa, A. Kondo, K. Kanenishi	9759
PARENT – PRACTITIONER DIALOGUE IN ECCE: A CASE OF THE EASTERN CAPE J. Dirks	9765
PERPETRATORS AND VICTIMS OF SUICIDE - THE LITERARY REPRESENTATION IN LIFE IS STRANGE A.C. Dellwing, M. Römer	9777
CHANGING THE PARADIGM IN THE VALUES OF EDUCATION IN THE 20TH CENTURY P. Jurs, I. Pelnēna, M. Ročāne	9785
HYFLEX EDUCATION OR HIGH-PROBLEM EDUCATION? A LOOK AT THE FUTURE OF EDUCATION J. Burford, J. Lathrum, C. Moser, V. Jani	9793
FACING EQUALITY CHANGES IN ONLINE EDUCATION FOR EMERGENT TECHNOLOGIES A. Leider, A. Strobel	9794
APPROACH TO THE ENTREPRENEURIAL INTENTION OF POSTGRADUATE STUDENTS INVOLVED IN ENTREPRENEURSHIP PROCESSES IN GUATEMALA E.J. Morales-Fernandez, J. Veloso-Cancino, J.L. Trechera-Herreros, P.V. Soto-Arrivillaga	9798
SIMULATIONS TO DEVELOP 3D SPATIAL ABILITY: GEOGEBRA IN THE TEACHING OF DESCRIPTIVE GEOMETRY C.H. Chivai, M.A.J. Mutuque	9808
NEUROMARKETING TOOLS INVOLVED IN A STUDY FOR ANALYZING PERCEPTIONS TOWARDS HUMANOID ROBOTS USED IN EDUCATIONAL FIELD IN ROMANIA E. Goga, I.I. Gradinescu, E.F. Grejdan, A.O. Orzan, M.C. Orzan	9816
THE EFFECTIVENESS OF COMMUNITY OF INQUIRY: THE CASE OF AN ONLINE ITALIAN LANGUAGE COURSE R. Dolci, T. Sbardella	9822
MOLECULAR BIOLOGY DISSEMINATION ACTIVITIES: FROM GREENS TO GENES, HOW DIET CAN CHANGE OUR EPIGENOME R. del Gaudio	9830
A PARADOX OF ACCESS AND SUCCESS IN HIGHER EDUCATION IN SOUTH AFRICA K. Ndlovu, P. Msweli, F. Khoza	9836
WORKING IN GROUPS AT SECONDARY SCHOOL: CLUSTERING STUDENTS BASED ON THEIR INTELLIGENCE TYPES USING CLUSTERING ALGORITHMS O. Ridouane, A. Sabour	9843
CONCEPTUALIZING DIGITAL LEADERSHIP FUNDAMENTALS FOR PRIVATE HIGHER EDUCATION INSTITUTIONS IN EMERGING COUNTRY A.P. Teoh, S.N. Abdul Khalid, S. Letchmunan	9844
CHILDREN'S EMOTIONAL INTELLIGENCE DURING PLAY-BASED LEARNING PEDAGOGY: A REVIEW OF THE LITERATURE N. Tyilo	9850
DESIGN & IMPLEMENTATION OF NOVEL TRAUMA & LIFE SUPPORT COURSE FOR UNDERGRADUATE MEDICAL STUDENTS H. Wise, C. Carpenter, K. Mohanty, W. Abdul, A. Hughes	9851
A DEPARTMENTAL SHIFT IN EARLY EDUCATION: TRACKING THE ECD MIGRATION PROCESS J. Dirks	9857
ALL HANDS-ON DECK! TEACHING, LEARNING AND ASSESSING IN THE TIME OF COVID-19 L. Sadiki, F. Steyn	9864
THE POWER OF THE SCHOOL COMMUNITY IN INCREASING INCLUSION L. Kaminskiene, A. Galkiene, J. Navaitiene, N. Ignatova, J. Kasperiūniene, A. Rutkiene, O. Monkevičiene, L. Milteniene, R. Meliene	9865
STUDENTS' PERSPECTIVES OF ONLINE TEACHING PRACTICUM DURING THE COVID-19 PANDEMIC T.Z. Zachariah Omar, M.N. Md Zabit, M.M. Izahar, N. Mohd Zain	9874

PLATFORMS FOR MOBILE APPLICATION DEVELOPMENT FOR EDUCATIONAL PURPOSES E. Mavropoulou	9881
RESEARCHING AND VALORISING THE LOCAL CULTURE AND HISTORY – SCHOLAR INTERVIEW TECHNIQUE C. Alexandrache	9890
APPLYING BIBLIOTHERAPY IN THE CLASSROOM S. Eftimova	9900
STUDY OF ATTITUDES TOWARDS BIBLIOTHERAPY AMONG STUDENTS OF LIBRARY AND INFORMATION STUDIES IN BULGARIA S. Eftimova, I. Damianova, A. Petkova	9906
THE IMPORTANCE OF USING CASE-BASED LEARNING (CBL) IN A FOREIGN LANGUAGE CLASSROOM IN MEDICAL EDUCATION T. Dilaverova, L. Akhvlediani	9911
THE PLACE OF BIBLIOTHERAPY IN THE FIELD OF CONTINUING VOCATIONAL EDUCATION AND TRAINING IN BULGARIA T. Genova, S. Eftimova	9916
LEARNING AND DEVELOPMENT OF MANAGERIAL AND DIGITAL COMPETENCIES BY ICT IN CIVIL ENGINEERING T. Mandičák, P. Mésároš, A. Kanáliková, M. Spišáková	9923
RESEARCH ON THE INTERACTIVITY OF DOUBLE TEACHERS CLASSROOM ON THE INTERNET J. Zhao, J. Hu, M. Bi	9928
TEACHING A FOREIGN LANGUAGE IN THE CONTEXT OF INCLUSIVE EDUCATION IN RUSSIA	9935
N. Sigal, I. Kondrateva, G. Abrosimova, M. Asmolovskaya, E. Galiullina, I. Shakhnina THE EDUCATORS' OPINION ON MONITORING AND DOCUMENTING THE EDUCATIONAL PROCESS IN PRESCHOOL INSTITUTIONS V. Valjan Vukić, J. Tomić	9942
STUDENT PARTICIPATION IN ORGANIZED OUT OF SCHOOL ACTIVITIES - DIFFERENCES WITH REGARD TO SOME SOCIODEMOGRAPHIC CHARACTERISTICS AND TYPE OF ACTIVITY V. Valjan Vukić	9952
THE INFLUENCE OF LEADERSHIP STYLES IN SCHOOL MANAGEMENT: LESSONS FROM LESOTHO N. Teba-Teba, A.H. Makura	9964
TEACHER TRAINING DURING COVID-19: A QUALITATIVE STUDY D. Hanesová, A. Doušková	9970
YOUTH CIVIC ENGAGEMENT – RESOURCE OF SOCIAL RESPONSIBILITY P. Jurs, A. Samuseviča, I. Kulberga, M. Ročāne	9977
CONSTRUYE 2020+. AN ADAPTED TRAINING AND ACCREDITATION SCHEME ON GREEN SKILLS WITHIN THE CONSTRUCTION SECTOR E. Rodríguez, J.A. Tenorio, M.C. Verde, S. Gutiérrez, L. Jiménez, M. Vidal	9986
KEY DIMENSIONS OF AN INNOVATIVE APPROACH TO THE TEACHING OF MATHEMATICS AT TECHNICAL UNIVERSITIES (IN SK AND CZ) A. Vagaská, P. Račková, J. Jekl	9995
MANIFESTATION OF THE RULES OF SITUATED LEARNING IN AN UNRESTRICTED ENVIRONMENT: CHILDREN'S EXPERIENCES K. Rūdytė, R. Šiaučiulienė	10003
COOPERATION-BASED FORMS OF CHILDREN'S LEARNING IN AN UNRESTRICTED ENVIRONMENT R. Šiaučiulienė, K. Rūdytė	10008
WORKING IN PAIRS DURING THE CLASSES AT UNIVERSITY E. Gabarta	10013
EVALUATING THE IMPACT OF SCHOOL AUTONOMY ON LEARNING OUTCOMES QUALITY I. Khudorozhkov, B. Ilyukhin, E. Benks, N. Serbina, E. Lepustina	10017
CURRENT TENDENCIES OF THE DEVELOPMENT OF THE INTERNATIONAL COOPERATION IN THE FIELD OF HIGHER EDUCATION: GENERAL AND COUNTRY APPROACHES O. Fedotova, E. Platonova, B. Tong, Z. Tianhui, B. Zijing	10022
. , , ,	

EFFECTS OF SOCIAL SKILLS THERAPY ON DELINQUENT BEHAVIOUR MANIFESTATION AMONG UPPER BASIC EDUCATION STUDENTS' IN CALABAR, CROSS RIVER STATE-NIGERIA E. Orji	10028
RE-EVALUATING THE COMMUNICATION PROCESS DURING A PANDEMIC G.A. Necula	10036
EFFECT OF FACEBOOK LEARNING ENVIRONMENT ON THE LEARNING PROCESS AMONG AEC UNIVERSITY STUDENTS DURING COVID-19 PANDEMIC: THE MEDIATING ROLE OF PSYCHOLOGICAL CAPITAL N. Gambo, I. Musonda	10037
SCHOOL BASED SUPPORT SCHEMES FOR LEFT-BEHIND LEARNERS AFFECTED BY TRANSNATIONAL PARENTAL MIGRATION DURING THE COVID-19 PANDEMIC: INSIGHTS FROM A ZIMBABWEAN SCHOOL R. Jaure, A.H. Makura	10048
LEADERSHIP AND MANAGEMENT IN THE CONTEXT OF COVID-19 STRINGENCY: ARE DEMOCRATIC PRINCIPLES A SOLUTION? V. Mncube, E. Olawale	10049
RETHINKING ASSESSMENT IN MATHEMATICS TEACHER EDUCATION PROGRAMME DURING COVID-19 PANDEMIC E. Olawale, W. Hendricks, V. Mncube	10056
GIS IN ARCHITECTURAL EDUCATION: CHALLENGES OF ONLINE TEACHING DURING THE COVID-19 PANDEMIC B. Santos, P.G. Almeida, J. Gonçalves	10063
ELECTRICAL ENGINEERING DISTANCE LEARNING BY USING DIGITAL TWIN TECHNOLOGY S. Skok, L. Havas, T. Horvat, M. Gamberger	10072
HOW CAN WE RESPOND? A WRITING PROGRAM AFFIRMS ITS COMMITMENT TO ANTI-RACISM THROUGH PEDAGOGY AND CURRICULUM C. Wastal	10076
DID.VALUE: AN INTERNATIONAL PROJECT FOCUSED ON BUILDING AN OPEN DIGITAL FRAMEWORK FOR EDUCATIONAL RESOURCES ON INCLUSIVE JOBS AND TRAINEESHIPS FOR YOUNG PEOPLE WITH DISABILITIES M. Potes Barbas, P. Matos	10077
COMPUTER GRAPHICS ONLINE EDUCATION DURING THE COVID-19 PANDEMIC, OBSERVATIONS AND EXPERIENCES J. Tomanová	10082