## **INTED2017 TABLE OF CONTENTS**

RESEARCH AS A TOOL TO UNDERSTAND STUDENT EXPERIENCE: EXPLORING THE CASE OF A COHORT OF PRE-SERVICE PRIMARY SCIENCE TEACHERS IN IRELAND M. Hamilton	1
THE SCIENTIFIC LEARNING ACCORDING TO VIGOTSKY E. Arribas Garde, I. Escobar, M.T. Franco, C. Suarez, S. Vidales Felix, Y. Benitez, S. Maffey, J. González-Rubio, A. Najera, R. Ruiz, A. Beléndez, R. Ramírez-Vázquez, J. Besanilla, C. Garcia-Olguin	9
TEACHING AND LEARNING ACTIVE PHYSICS WITHIN FRAMEWORK OF COMPETENCIES	17
E. Arribas Garde, S. Maffey, R. Ramírez-Vázquez, I. Escobar, M.T. Franco, S. Vidales Felix, C. Suarez, J. Besanilla, C. Garcia-Olguin, A. Najera, J. González-Rubio, A. Beléndez	
REWRITING CRITICAL PEDAGOGY WITH TECHNOLOGY A. Gitlin	26
"SURELY YOU CANNOT TEACH THEM ALL THE SAME CONTENT?" AN INSIGHT INTO TEACHING AND LEARNING SCIENCE IN A PRIMARY TEACHER EDUCATION PROGRAMME  A. O' Dwyer	31
USING LEARNER-GENERATED DIGITAL MEDIA (LGDM) AS AN ASSESSMENT TOOL IN GEOLOGICAL SCIENCES J. Reyna, F. Horgan, D. Ramp, P. Meier	40
AN EXPERIENCE OF COOPERATIVE TEACHING S. Tena-Monferrer, J.C. Fandos-Roig, J. Sánchez-García	51
LANGUAGE AS BARRIER TO COMMUNICATION AMONG BLACK AFRICAN STUDENTS AT THE UNIVERSITY OF JOHANNESBURG, SOWETO CAMPUS (GAUTENG, SOUTH AFRICA)  M. Pather	55
TECHNOLOGY, TERRORISM AND TEACHER EDUCATION: LESSONS FROM THE DELIVERY OF HIGHER EDUCATION TO SOMALI REFUGEE TEACHERS IN DADAAB, KENYA  T. Sork, N. Boskic	64
ASSESSMENT AS LEARNING USING PEER REVIEWED SCREENCASTING M. Caukill, C. Atkins	69
LEARNING METHODOLOGIES ABOUT INTERACTIVITY AND THE MIX INTERNET AND TELEVISION: THE CASE OF HBBTV  J.F. Fondevila-Gascón, J. Botey-López, J. Rom-Rodríguez, E. Ordeix-Rigo, M. Muñoz-González, G. Berbel, Ó. Gutiérrez-Aragón	74
A LOOK AT THE ATTITUDES, CONCERNS, EXPECTATIONS AND FEARS OF THE MILLENNIAL GENERATION AND SOME IMPLICATIONS FOR HIGHER EDUCATION R. Sims, S. Bias	86
GO WHERE THE STUDENTS ARE: GROUPS IN FACEBOOK TO IMPROVE COMMUNICATION BETWEEN STUDENTS AND EDUCATORS  A. Najera, J. González-Rubio, R. Ramírez-Vázquez, C. Suarez, P. Gómez, A. Beléndez, F.J. Escobar-Rabadan, E. Arribas Garde, R. Reolid	93
A QUALITY OF SERVICE ARCHITECTURE FOR REAL-TIME MOBILE-LEARNING SYSTEMS C. De Castro	100
LIFELONG LEARNING FOR VOCATIONAL QUALIFIED PEOPLE – A NEW CHALLENGE FOR GERMANY'S HIGHER EDUCATION  D. Brückner	105
DEVELOPING EMOTIONAL COMPETENCE TRAINING FOR UNIVERSITY STUDENTS IN ARGENTINA AND SPAIN T. Pozo-Rico, R. Gilar, J.L. Castejón	112
GAME-BASED LEARNING IN (FURTHER) EDUCATION C. Müller-Kreiner, S. Niedermeier	123
INCREASING INTERCULTURAL LEARNING IN STUDY ABROAD THROUGH ACTIVE PEDAGOGY: THE CONSORTIUM FOR ADVANCED STUDIES ABROAD (CASA)-SEVILLA PILOT PROGRAM  E. Infante Mora	129
SHOULD FEMALE STUDENTS DEVELOP A TRANSFORMATIONAL LEADERSHIP IN THE FUTURE?  S. Agut. F. A. Lozano, R. Peris	136

HOW ARE PERCEIVED THE CURRENT WOMEN AND MEN? A STUDY ABOUT GENDER STEREOTYPES AND SEXISM AMONG UNIVERSITY STUDENTS S. Agut	144
THE CHALLENGES AND OBSTACLES OF USING ASSISTIVE TECHNOLOGY IN SPECIAL NEEDS CENTERS IN UAE (UNITED ARAB EMIRATES) G. Al Bustami, D. Elsori, M. Fteiha	151
A FOREIGN LANGUAGE AWARENESS PROGRAMME (FLAP) IN PRIMARY SCHOOLS—WHY AND HOW M. Pace	152
STUDENTS' PERFORMANCE IN A FINANCIAL INVESTMENT COURSE  D. Mattar	161
BLENDED LEARNING IN TEACHING DISCIPLINE "METHODS OF OBTAINING PURE SUBSTANCES"  A.S. Sachkova, I.K. Zabrodina, O.V. Nefedova, P.N. Bychkov	168
EMOTIONAL COMPETENCE: MAIN HEALTH PROBLEMS TO FACE M. Talavera, O. Mayoral, E. Zalve	174
COMPETENCES IN ENVIRONMENTAL HEALTH ACQUIRED BY YOUNG VALENCIANS DURING THEIR COMPULSORY EDUCATION N. Álvaro, O. Mayoral, V. Gavidia	180
FACEBOOK: AN ONLINE COMPLEMENTARY LEARNING SOURCE IN FORMAL INSTRUCTION	189
R. May Meléndez, R. Ferrer Méndez, S. Bautista-Maldonado, G. Quijano Zavala, G. Pacheco Balam VIDEO-ENHANCED LECTURES IN HIGH-TEACHING-LOAD ENVIRONMENTS WITH LIMITED RESOURCES: BENEFITS AND CHALLENGES FOR LECTURERS AND STUDENTS M. Westner	197
TEACHING 21ST CENTURY SKILLS THROUGH PROJECT WORK A. Gilroy	208
TOWARDS BRIDGING THE GAP BETWEEN GRAMMATICAL KNOWLEDGE AND GRAMMATICAL ABILITY: RECOMMENDATIONS FOR CEFR LEVELS A2/B1  D. Azaryad Shechter	209
TOOLS FOR MANAGING REFERENCES IN CLASS PROJECTS AND SCIENTIFIC WORKS B. Andrés, R. Poler, M. Diaz-Madroñero	210
STORYBOARD TOOLS FOR UNIVERSITY AND EDUCATION RESEARCH PROJECTS B. Andrés, R. Poler	220
INTEGRATING RECEPTIVE AND PRODUCTIVE LANGUAGE SKILLS IN ESP COURSES ON THE MOODLE PLATFORM O. Zeevy-Solovey	228
TEACHING GEOMETRIC DESIGN OF ROADS BY MEANS OF PROJECT-BASED LEARNING H. Pérez-Acebo	229
MODELING AS EMPIRICAL AND THEORETICAL METHOD OF OBTAINING KNOWLEDGE IN CHEMISTRY V. Torosyan, E. Torosyan, S.O. Kryuchkova	239
USEFUL ACTIVITIES FOR IMPROVING AWARENESS IN BLENDED CLASS OF JAVASCRIPT PROGRAMMING I. Miyaji	250
COMPELLATIONS IN SPANISH COMPLIMENTS E. Zvereva, K. Chilingaryan	257
ADAPTING THE TEACHING OF STATISTICS FOR RESEARCH STUDIES, A PRACTICAL EXPERIENCE A.V. Garcia Luengo	263
TEACHER'S SKILLS IN BRAZILIAN HIGHER EDUCATION: PERCEPTION OF STUDENTS ON THE INFORMATION MEDIATION S.L. de Paula, J.R. Costa Mendonça, J. Rodrigues de Souza, B. Campello de Souza	267
ANALYSIS OF THE IMPACT OF DIGITAL CULTURE ON ACADEMIC PERFORMANCE IN BRAZILIAN HIGHER EDUCATION  L. R. drivers de Course C. L. de Roule R. Course E. V. Colon Male	276
I. Rodrigues de Souza, S.L. de Paula, B. Campello de Souza, F.V. Sales Melo	

EXTRACURRICULAR ACTIVITIES IN PHYSICAL EDUCATION OF ADOLESCENTS WITH ATTENTION DEFICIT HYPERACTIVITY DISORDER  E. Cherepov, G. Yakovleva	286
TEACHING METHODOLOGY IN VIRTUAL ENVIRONMENT EXPERIENCE IN BLENDED LEARNING N. Soldatic, B. Petric, L. Markovic, K. Kacapor	291
AN ATTEMPT TO REPLACE THE PRESENT-DAY PARADIGM OF THE MAINSTREAM FOREIGN LANGUAGE TEACHING BY A NEW ONE P. Wahl	292
ASSESSMENT OF CURRICULUM CONTENT OF ARCHITECTURAL STRUCTURES IN SELECTED UNIVERSITIES IN SOUTHWEST NIGERIA G.M. Alalade, E.O. Ibem, O.A. Alagbe	303
INVESTIGATION OF THE PREDICTORS OF LEARNING OUTCOMES OF STUDENTS IN ARCHITECTURAL STRUCTURES: EVIDENCE FROM NIGERIAN UNIVERSITIES G.M. Alalade, E.O. Ibem, A.A. Oluwatayo	304
ENHANCE STUDENTS' ENGAGEMENT TO COUNTER DROPPING-OUT: A RESEARCH AT ROMA TRE UNIVERSITY G. Moretti, M. Burgalassi, A. Giuliani	305
USABILITY AND COGNITIVE STYLES IN COLLABORATIVE GROUPS WITHIN A PROJECT-BASED LEARNING ENVIRONMENT L. Montoya, I. De Olaizola, P. Ponsa, R. Vilanova	314
BRAZIL: THE GROWTH OF DISTANCE EDUCATION AND ITS CONSEQUENCES IN TUTORSHIP: CHALLENGES AND POSSIBILITIES T.C. Lima, L. Lopes, E. Nauroski	322
MULTICULTURAL FICTION: CORNERSTONE OF INTERCULTURALLY COMPETENT CITIZENS. EXPLORING SCHINDLER'S ARK S. Serrano Amores	326
PUSHING STEM-EDUCATION THROUGH A SOCIAL-MEDIA-BASED CONTEST FORMAT - EXPERIENCES AND LESSONS-LEARNED FROM THE H2020-PROJECT SCICHALLENGE	334
F. Huber, B. Jäger, S. Pllana, Z. Hrdlicka, C. Mettouris, G.A. Papadopoulos, T. Matevc, Z. Ocsovszky, E. Hajdu, C. Gary, P. Smith	
ASPECTS OF TEACHING FRENCH FOR SPECIFIC PURPOSES TO STUDENTS OF THE HUMANITIES  L. Spynu, L. Lyubarskaya, J. Aroutunova	345
EFFECTS AND CONSEQUENCES OF THE CONTENT REFORM OF EDUCATION IN SLOVAKIA WITH EMPHASIS ON UNIVERSITY STUDENTS' MATHEMATICAL SKILLS B. Bačová, E. Lelakova	351
PUBLIC SPEAKING IS NOT JUST FOR BUSINESSMEN AND POLITICIANS. IT IS AN ART THAT IS BECOMING INCREASINGLY IMPORTANT AS IT BENEFITS EVERY PERSON PROFESSIONALLY AND PERSONALLY D. Nader	361
CHALLENGES TEACHERS ENCOUNTER IN IMPLEMENTING INCLUSION OF LEARNERS WITH SPECIAL EDUCATION NEEDS IN SELECTED FORT BEAUFORT EDUCATION DISTRICT PRIMARY SCHOOLS, EASTERN CAPE, SOUTH AFRICA T.M. Adewumi, S. Rembe, J. Shumba	362
NAVIGATING DIGITAL CULTURE: REMIX CULTURE, VIRAL MEDIA, AND INTERNET MEMES B. Wiggins	368
THE IMPORTANCE OF THE 1ST CEB TEACHER TRAINING TO KNOW THE DETERMINANTS OF ACADEMIC PERFORMANCE OF STUDENTS WITH ADHD S. Campos, L. Soares, M. Ferreira, C. Chaves, C. Alves, C. Martins	375
VALIDATING FACTORS FOR THE (RE-) INTEGRATION OF PRODUCTION IN URBAN AREAS L. Simons, S. Stiehm, A. Richert, S. Jeschke	381
DEVELOPING GLOBAL CITIZENSHIP: TOOLS FOR MEASURING THE IMPACT OF ACADEMIC STUDY ABROAD PROGRAMS C. Matheus, K. Gaugler, J. Ficula, L. Oreilly	388
THE GUIDE ON THE SIDE: USING OPEN-SOURCE SOFTWARE TO CREATE AUTHENTIC INFORMATION LITERACY LEARNING EXPERIENCES FOR UNDERGRADUATE STUDENTS Y. Mery	395

FACULTY DEVELOPMENT FOR INTERPROFESSIONAL EDUCATION: AN INCIDENTAL FINDING T. Christianson	401
WHAT MAKES A SUCCESSFUL ONLINE DOCTORAL PROGRAM? T. Christianson, T. Hoot	408
THE CREATION OF GAMIFICATION ACTIVITIES FOR PRIMARY PUPILS M. Valentová, P. Brečka, I. Tureková	409
LEARNER SATISFACTION IN BLENDED LEARNING: A CASE STUDY AT THE OPEN UNIVERSITY OF SRI LANKA  D. Gunasekera	418
EDUCATIONAL OENOLOGICAL PROJECT: FROM THE GRAPE TO THE WINE AND FROM THE UNIVERSITY TO THE SECONDARY EDUCATION A. Herrero, S. Palmero, G. Casado	427
RUSSIA COUNTRY REPORT: MULTICULTURAL EXPERIENCE IN EDUCATION L. Salekhova, K. Grigorieva	435
APPLICATION OF A PROJECT MANAGEMENT TOOL TO SUPERVISING BACHELOR THESES AND MASTER THESES IN SCIENCES A. Herrero, C. Reguera, S. Sanllorente, S. Palmero	442
SELF-EFFICACY AND EXPECTANCY OF ENGINEERING STUDENTS IN HIGHER EDUCATION: A CASE STUDY OF THE PERCEPTIONS AND BELIEFS OF LECTURERS K. Brown, V. Lally	450
A CONCEPTUAL FRAMEWORK FOR A SOFTWARE DEVELOPMENT PROCESS BASED ON COMPUTATIONAL THINKING C. Higgins, F. Mtenzi, C. O'Leary, O. Hanratty, C. McAvinia	455
RISK MANAGEMENT APPLIED IN TERMS OF PRACTICAL TRAINING AT UNIVERSITY  I. Tureková, S. Gašpercová, P. Brečka, M. Valentová	465
CURRICULUM DESIGN AT THE UNIVERSITY OF ECONOMICS IN BRATISLAVA, SLOVAK REPUBLIC – THE CASE OF A SPECIFIC COURSE Z. Kittová, M. Královičová	476
SCRATCHING THE SURFACE: INTEGRATING COMPUTER SCIENCE INTO MIDDLE SCHOOLS R. Stalvey, C. Hall, J.T. Maruhn	484
MENTAL ARITHMETIC AND COGNITIVE FLEXIBILITY IN ELEMENTARY STUDENTS E. Rathgeb-Schnierer, M. Green	492
SOCIAL NETWORKS IN TEACHING ENGLISH FOR SPECIFIC PURPOSES K. Grigorieva, L. Salekhova	500
CHINA ON THE PATH TOWARDS LEADERSHIP IN TERTIARY EDUCATION  Z. Kittová, M. Královičová	503
MOTIVATIONAL ASPECTS OF LEARNER AND TEACHER COOPERATION K. Mullamaa	512
A TASK-BASED EVALUATION METHOD APPLIED IN PHYSIOTHERAPY STUDENTS V. Perez-Cabezas, J.A. Moral-Muñoz, C. Ruiz-Molinero, B. Nuñez-Moraleda	518
FROM APPFEST TO ENTREPRENEURS: USING A HACKATHON EVENT TO SEED A UNIVERSITY STUDENT-LED ENTERPRISE D. Cobham, C. Gowen, K. Jacques, J. Laurel, S. Ringham	522
BLENDED LEARNING COURSE IN ENGLISH FOR DOCTORAL STUDENTS: SOUTH URAL STATE UNIVERISTY EXPERIENCE K. Volchenkova	530
INTERACTIVE APPLICATION SUPPORTING NUMERICAL METHODS TEACHING M. Kaczorowska, R. Dmytruk, B. Pańczyk	536
SATISFACTION OF SECONDARY SCHOOL STUDENTS IN ALGORITHM LEARNING USING WEB CLASSROOM APPLICATION – RESEARCH RESULTS M. Wilkołazki, B. Pańczyk	546
TECHNOLOGICAL PEDAGOGICAL CONTENT KNOWLEDGE AND PROBLEM BASED LEARNING ENHANCE TEACHER PREPARATION FOR ELEMENTARY EDUCATION M. Warner	555
SKILL MODELLING SOLUTIONS FOR ADAPTIVE LEARNING R. González-Novillo, P. Muñoz-Merino, C. Delgado Kloos	563

UNIVERSITY STUDENTS' GENERAL CULTURAL AND PROFESSIONAL COMPETENCES DEVELOPMENT THROUGH FOREIGN LANGUAGE ACQUISITION E. Nazmieva, E. Plakhova, N. Pershina	574
WEBQUEST AS A WAY TO ENHANCE LEARNING OUTCOMES IN FOREIGN LANGUAGE CLASSES M. Kuimova, H. Uzunboylu, B. Pavlenko	580
FROM PENCIL TO COMPUTER IN MATH EDUCATION, PART-2 J.J. Prieto-Valdes	585
PECULIARITIES OF TEACHING ELECTRICAL ENGINEERING TO CHINESE STUDENTS E. Shandarova, E. Kuleshova, D. Matukhin	596
L2 LISTENING COMPREHENSION: IS IT A LANGUAGE PROBLEM OR LISTENING PROBLEM?  M. El-Dali	602
APPLICATION OF A WEB-BASED SELF-ASSESSMENT TEST FOR SUPPORTING POLITICAL EDUCATION: A GERMAN CASE STUDY C. Krug	615
HOW TO RECRUIT AND RETAIN TEACHERS IN CALIFORNIA: ANALYSIS OF THE TEACHER PERSPECTIVE  J. Gentilucci, J. Brescia	625
PRACTICAL STUDENT ENGAGEMENT DESIGN IN ACCOUNTING COURSES J. Bonner	626
ENGAGING DISCUSSION QUESTION DESIGN IN ACCOUNTING COURSES J. Bonner	630
COMPARISON OF THE INTRODUCTORY CHEMISTRY LABORATORY SUBJECTS IN THE DEGREE OF CHEMISTRY AND IN ENGINEERING STUDIES  J. Esteve-Romero, J. Peris-Vicente, J. Albiol-Chiva, S. Carda-Broch, M.J. Ruiz-Angel, M. Esteve-Amorós	635
ORAL EXPOSITION OF LABORATORY PRACTICALS BY THE STUDENTS IN THE SUBJECT "ADVANCED LABORATORY IN CHEMISTRY"  J. Esteve-Romero, J. Peris-Vicente, J. Albiol-Chiva, S. Carda-Broch, M.J. Ruiz-Angel, M. Esteve-Amorós	642
<b>EXPERIENCES FROM THE VIRTUAL CLASSROOM APPLICATION</b> S. Carda-Broch, M.J. Ruiz-Angel, J. Peris-Vicente, J. Albiol-Chiva, M. Esteve-Amorós, J. Esteve-Romero	648
INTRODUCTION OF ENGLISH AS TEACHING LANGUAGE IN THE SUBJECT "LABORATORY IN CHEMISTRY IV (ANALYTICAL PART)"  J. Esteve-Romero, J. Peris-Vicente, J. Albiol-Chiva, S. Carda-Broch, M.J. Ruiz-Angel, M. Esteve-Amorós	654
CHARACTERISTICS OF WORLD IMAGE AND VALUE ORIENTATIONS OF EUROPEAN NATIONALITIES' REPRESENTATIVES  A. Belousova, J. Mochalova, O. Barsukova, M. Vyshkvyrkina, E. Kryschenko, N. Mozgovaya, T. Pavlova,	658
J. Tushnova  EAST ASIAN WISDOM IN WESTERN MANAGERIAL EDUCATION  L. Valetters	663
J. Kubatova WHEN THE WRITING GETS PERSONAL: HELPING STUDENTS WRITE THROUGH TRAUMA E. Walker	672
SUSTAINABILITY OF OPEN EDUCATION THROUGH COLLABORATION F. De Langen	677
FROM ZERO TO FULLY ONLINE IN ONE SEMESTER: WHEN INSTRUCTORS AND INSTRUCTIONAL DESIGNERS JOIN TO CREATE CURRICULAR VALUE J.J. Gutiérrez, B. Beckmayer	683
INTERACTIVE SCIENCE DEVICES: CURIOSITY AND INFLUENCE ON SCIENCE PERFORMANCE OF STUDENTS  B. Dolipas, J. Lubrica, J.L. Ramos, J. Abiasen	693
IMPLEMENTATION OF LEAN THINKING IN HIGHER EDUCATIONAL INSTITUTIONS (HEIS)  A. Qayyum, I. Manarvi	699
PROBLEM-BASED LEARNING: MANAGING COMPLEX PROJECTS SIMPLY M. Broido, H. Rubin	711
IMPLEMENTING NEW APPROACHES INTO THE PROCESS OF FOREIGN LANGUAGE TEACHING AT ENGINEERING UNIVERSITIES: CONFERENCE WEEKS T. Aikina, O. Sumtsova, O. Zubkova, V. Sergienko	718

SUBJECT OF ENGLISH FOR SECONDARY EDUCATION  B.C. Marro Roig, I. Mosquera Gende, P. Gómez Lorenzo	724
GAMIFICATION WITHIN THE ENGLISH CLASSROOM  I. Mosquera Gende, M. García Corcés, A. Conde del Río	733
EMPOWERING FACE-TO-FACE LEARNING WITH ONLINE LEARNING AT UNDERGRADUATE LEVEL A. Arnal, C. Galindo, P. Gregori, V. Martínez	742
FINAL YEAR UNDERGRADUATE STUDENT PROJECTS AS A VEHICLE FOR RAISING STUDENT AWARENESS OF DISABILITIES  A. Ward, I. Grout, L. Grindei, D. Mandru	748
THE YOUTH'S ATTITUDE TO POWER IN MODERN RUSSIA: EXPERIENCE OF THE URAL FEDERAL UNIVERSITY IN STUDYING PUBLIC OPINION OF STUDENTS Y. Antropova, T. Kasyanova	756
COURSE ACTIVITIES FOR ENGLISH ACQUISITION AND CRITICAL THINKING DEVELOPMENT IN AN ENGLISH TEACHING CLASS C.H. Wang, J. Armstrong, P.W. Liao, W.C. Chao, Y.L. Tsai, Y.H. Cheng, T.Y. Liao	763
TEACHER TRAINING IN HIGHER EDUCATION FOR INCLUSIVE PEDAGOGY A. Inciarte González, F. Marín González, A.M. Guzmán, S. Villarreal, A.J. Paredes	764
EXPERIENCES OF A SCHOLARSHIP OF TEACHING AND LEARNING PROGRAMME AT A TEACHING-INTENSIVE UNIVERSITY S. Hassan	773
PRE-SERVICE TEACHERS' COMMUNICATIVE COMPETENCY FORMATION IN RUSSIA L. Auhadeeva, T. Pimenova, A. Aukhadeev, R. Akhmadullina, N. Valiakhmetova, A. Valiahmetova, I. Salpykova	774
EDUCATION OF STUDENTS' SPIRITUAL AND MORAL VALUES BY MEANS OF MUSICAL ART	782
L. Auhadeeva, A. Valiahmetova, R. Akhmadullina, T. Pimenova, I. Salpykova, N. Valiakhmetova, A. Aukhadeev	
THE CURRICULAR AND TECHNOLOGICAL NEXUS: PRELIMINARY FINDINGS FROM A STUDY OF E-PORTFOLIO IMPLEMENTATION  J.P. Egan, P. Cooper-Ioelu, F. Spence, L. Petersen	792
CO-CREEMOS, A STRATEGY FOR ATTENTION TO DIVERSITY THROUGH THE ADOPTION OF OPEN EDUCATIONAL RESOURCES S.M. Baldiris Navarro, M. Tezón, C. Zapata, Y. Puerta, V. Valdelamar, E. Manyoma, J. Noriega, O. Haydar, E. Tirado	796
TUTEES' PERCEPTIONS OF TUTORING AT A UNIVERSITY OF TECHNOLOGY IN SOUTH AFRICA S. Hassan	807
ENHANCING LEARNING AND THE UNDERGRADUATE EXPERIENCE: THE INFLUENCE OF PREVIOUS EXPERIENCES AND HOURLY AVAILABILITY ON ANXIETY BEFORE FINAL DEGREE PROJECT R. Pinedo, M. De la Iglesia, I.M. Gómez Barreto	808
LABORATORY OF CHILDREN'S EXPERIENCES: RESEARCH ON SCIENTIFIC AND CRITICAL THINKING R. Pinedo, I. Calleja, M. De la Iglesia	813
ROADMAP FOR A SYSTEMATIC REVIEW OF THE LITERATURE: THE IDENTITY OF PSYCHOLOGY C. Costa-Lobo, T. Esteves, L.S. Almeida, A. Franco, M. Ricou	819
INNOVATION IN U.S. CURRICULUM DESIGN: THE CASE OF TRANSITION TO COLLEGE MATHEMATICS AND STATISTICS C. Hirsch	827
HOW MUCH DO OUR ENGINEERING STUDENTS KNOW (AND WANT TO KNOW) ABOUT SUSTAINABLE DEVELOPMENT? E. Saez de Camara, N. Gastelu, A. Lopez-Urionabarrenechea, I. Ortiz de Zarate, G. Insunza, P. Ruiz de Arbulo	836
RELIABLE DISTRIBUTED SOFTWARE PLATFORM FOR OPTIMIZING THE CONVERGENCE BETWEEN THE UNIVERSITY SYSTEM AND THE LABOUR MARKET V.M. Cojocariu, I.M. Furdu, C.I. Tomozei	843

BILINGUAL EDUCATION IN MAJORITY ENGLISH SPEAKING COUNTRIES: CASE STUDIES IN AUSTRALIA AND CANADA S. Roy, S. Smala, K. Dooley	853
MANAGERIAL IMPLICATIONS RESULTED FROM MONITORING THE CONVERGENCE OF UNIVERSITY WITH THE LABOUR MARKET THROUGH A SOFTWARE PLATFORM V.M. Cojocariu, G. Mares, D. Anton	858
RESEARCH-BASED APPROACH TO ENGLISH COURSES DESIGN FOR EARLY-CAREER SCIENTISTS  I. Parygina, I. Slesarenko, E. Vershkova, I. Astafieva, G. Osokin	869
USING MARGINAL GAINS TO IMPROVE MOOCS AND SPOCS I. Croft	876
EXPLORING THE USE OF GAME MAKING ACROSS THE SCHOOL CURRICULUM H. Boulton, T. Hughes-Roberts, D. Brown, X. Beltran, J. Tinney, N. Shopland, A. Burton, D. Martinovs, R. Barrett	880
VIRTUAL UNIVERSITY MAJORS. EXPERIENCES IN ONGOING TEACHER TRAINING S. Gómez	888
THE MATHEMATICAL OLYMPIAD OF CENTRAL AMERICA AND THE CARIBBEAN: 18 YEARS SUPPORTING MATH CONTESTS IN THE REGION L. Caceres-Duque, J. Nieto-Said, R. Sanchez-Lamoneda	894
FORECASTING OF LABOUR MARKET AND SKILL NEEDS IN NOWADAYS SOCIETY – A CASE STUDY ON ROMANIA'S SITUATION FACING THE CHALLENGES OF THE NEW ECONOMY C.R. Popescu, V.A. Popescu, G.N. Popescu	895
THE ROLE AND THE IMPORTANCE OF THE UNIVERSITY – INDUSTRY COLLABORATION – A CASE STUDY ON ROMANIA'S SITUATION CONCERNING TODAY'S EDUCATIONAL TRENDS G.N. Popescu, C.R. Popescu, V.A. Popescu	905
FACTORS INFLUENCING MATHEMATICS TEACHING AS A CAREER CHOICE: AN INSTRUMENT DEVELOPMENT AND VALIDATION IN THE PHILIPPINE CONTEXT C. Madinno	916
APPLIED MILITARY AND SPORTING COMPETENCE OF STUDENTS OF MILITARY TRAINING FACULTY IN CLASSIC UNIVERSITY E. Cherepov, R. Shaikhetdinov, A. Khafizova	927
VR-BRAILLER: A VIRTUAL-REALITY BRAILLE WRITER-SIMULATOR P. Hatzigiannakoglou	934
DEVELOPING TRANSFERRABLE SKILLS THROUGH ENTREPRENEURSHIP PROJECTS: STUDENT'S EXPERIENCES AND CHALLENGES S. Fernandes, A. Regueiro, M. Magalhães, J. Dinis-Carvalho, C. Costa-Lobo	935
MOBILE CLOUD COMPUTING ARCHITECTURE FOR MOBILE SERIOUS GAMES ORIENTED TO LEARNING DISORDERS L.A. Mares-Rosas, A.T. Parra-Hernández, J. Vargas-Huitrón, J.A. Martínez-Juárez	946
INTERNSHIP ASSESSMENT IN THE ACCREDITATION PROCESS FOR PROFESSIONAL DESIGN EDUCATION  D. Bender	956
RELATION BETWEEN USAGE OF MORE EFFECTIVE METHODS OF LIFELONG LEARNING AND EVALUATING ITS IMPACTS I. Mikova, L. Komarkova, P. Pudil	963
NAVIGATING THE DISTANCE EDUCATION LANDSCAPE IN 2017 AND BEYOND J. Newbold, W. Angrove	971
ENHANCING INTERCULTURAL LEARNING THROUGH ACTIVE PEDAGOGY, PROGRAM INTEGRATION, AND INDIVIDUALIZED STUDENT MENTORING: THE CASA-SEVILLA PROGRAM D. Greenwood	972
NURTURING STUDENTS' CREATIVITY IN FOREIGN LANGUAGE INSTRUCTION IN LINGUISTICS MAJOR N. Bobyreva, N. Pomortseva, F. Shigapova	983
THE PRACTICE OF INTERDISCIPLINARITY IN TECHNOLOGICAL EDUCATION PROJECTS A. P. Cardoso, R. Santiago, I. Pereira, A. Lones	992
73.1 · CALIAUDU, IX. DALLIAUYU, I. FELELIA, 73. LUDES	

3D PRINTING FOR MULTIDISCIPLINARY EDUCATION: A TECHNOLOGY WITH DIVERSE POTENTIAL D. Roy, J. Brine	1000
PROJECT-BASED LEARNING IN TEACHING THE SCIENTIFIC STYLE OF SPEECH IN THE NATIVE LANGUAGE: BASED ON EXPERIENCE IN THE TECHNOLOGICAL UNIVERSITY ENVIRONMENT T. Frik, O. Kazakova, N. Koksharova	1011
ANALYSIS OF "COMPLIMENT" AS A COMMUNICATIVE SITUATION. THE SOCIOLINGUISTIC ASPECTS E. Zvereva, K. Chilingaryan	1012
20% TIME IN THE CLASSROOM - BRINGING GOOGLE PHILOSOPHY AND THE KEYS TO MOTIVATION TO YOUR SCHOOL S. Landete Benavente	1016
USING BLOGS AS A TOOL TO CONNECT DIFFERENT LEVELS OF EDUCATION P. Cruz-García, B. García-Cárceles, A. Marín, J.M. Pastor, J. Villagrasa	1021
LANGUAGE LEARNING IN A MOBILE WORLD: THE POWER, POTENTIAL AND PITFALLS OF PODCASTING J. Selwood	1027
RAISING AWARENESS ON DIVERSITY AND EQUALITY IN STEM DEGREES IN HIGHER EDUCATION M. Altimira, C. Casanueva	1037
USING DESIGN PEDAGOGY WITH LEGO AND CAD SOFTWARE IN A TASK-BASED ENGLISH AS FOREIGN LANGUAGE TEACHING CONTEXT D. Roy, J. Brine	1042
GAMIFICATION IN THE EDUCATION: THE BENEFITS OF LEARNING THROUGH PLAY	1051
T. Gomez, C. Moron, D. Ferrandez, P. Saiz, R. Garrido	
PROFILING AUTHORS BASED ON THEIR PARTICIPATION IN ACADEMIC SOCIAL NETWORKS  A.S. de Rosa, L. Dryjanska, E. Bocci	1061
HIGHER EDUCATION PERSPECTIVES ON ETWINNING: THE FUTURE OF INITIAL TEACHER TRAINING LEARNING J. Paz-Albo Prieto, I. López Cirugeda	1073
SYNERGY OF PROJECTS AIMED AT EDUCATION QUALITY ASSURANCE A. Hašková, D. Lukáčová	1077
IMPACT OF INNOVATION ON MASTER PROGRAMS IN BUSINESS G. Aoun, N. Mallah Boustani	1086
<b>DESIGN FACTORS IN BUILDING A COMPASSION INTERVENTION</b> <i>M. Durkin, R. Gurbutt, J. Carson</i>	1095
EVIDENCE-BASED TECHNOLOGY TO ENHANCE MATHEMATICS EDUCATION FROM ICELAND TO KENYA G. Stefansson, D.A. Stern, J. Lentin, A.H. Jonsdottir	1102
PERCEPTIONS OF USE OF ICT AMONG TEMPORARY MIGRANT WORKERS IN CANADA AND THEIR FEMALE PARTNERS C. Hernandez Limon, S. Collin	1109
THEATRICAL PEDAGOGY AS A WAY OF A HOLISTIC-CREATIVE THINKING DEVELOPMENT OF CHILDREN AND ADOLESCENTS IN THE INCLUSIVE EDUCATIONAL PROCESS A. Shutaleva, E. Putilova	1110
STEREOSCOPIC VISION WITH VIRTUAL REALITY HEADSETS TO STUDY CRANIAL BONES S. González Izard, P. Ruisoto, J.A. Juanes Mendez	1119
PRACTICES IN WEB 2.0 - DESIGN, IMPLEMENTATION AND EVALUATION L. Oliveira, A. Jesus, A. Silva, P. Peres	1129
ENGAGEMENT ENHANCEMENT LEARNING APPLICATION (EEL) H. Khan, M. Malik, F. Ahmed, A.H. Qureshi	1135
TEACHERS AS INSTRUCTIONAL DESIGNERS: INVESTIGATING THE PHENOMENON Y. Piller, P. Ponners	1147
DEVELOPMENT OF GRAPHICAL USER INTERFACES FOR DESIGNING MARITIME WORKS IN WORKSHOPS FOR UNDERGRADUATE CIVIL ENGINEERS  R. I. Bergillos, M. A. Reues-Merlo, P. Magaña, A. Moñino, M. Ortega-Sánchez	1156

IDENTIFICATION OF BASIC MECHANISMS FACILITATING COOPERATION BETWEEN SCHOOL AND FAMILY Y. Pohnětalová	1163
LABORATORY TESTS AS A COMPLEMENT TO TEACHING IN DEGREE, MASTER AND DOCTORAL PROGRAMS IN THE FIELD OF MARITIME ENGINEERING R.J. Bergillos, P. Díaz-Carrasco, M. Clavero, A. Moñino, M. Ortega-Sánchez	1171
INTERNATIONAL PROFESSIONAL DEVELOPMENT FOR EDUCATORS: CHALLENGES AND OPPORTUNITIES IN AN AUSTERE, POST-BREXIT ENVIRONMENT A. Hollyhead	1178
HOW TO MANAGE THE NEED FOR SPECIALIZATION WITH LOW STUDENT PROFICIENCY IN THE TARGET LANGUAGE V. Kareva	1187
STUDENT FACILITATED WALK-IN WORKSHOPS TO SUPPORT PEER-LEARNING OF HUMAN ANATOMY AND PHYSIOLOGY ON HEALTH SCIENCE PROGRAMMES H. Singh, S. Hachemi, A. Peña-Fernández	1193
LANGUAGE PEDAGOGY IN BILINGUAL AND IMMERSION PROGRAMS IN SPAIN AND CANADA: A COMPARISON STUDY S. Roy, M.S. Hoyos Pérez	1200
SKILLS ACADEMY: A PILOT EXPERIENCE USING COLLABORATIVE AND PROBLEM-BASED LEARNING TO DEVELOP SKILLS L. Faria, C. Lisboa, J. Proença	1208
TEAM BASED LEARNING: A PEDAGOGY FOR STUDENT ENGAGEMENT ACROSS DISCIPLINES R.D. Mendoza	1215
<b>DEVELOPING EDUCATIONAL LEADERSHIP</b> S. Quinsee, P. Parker	1221
BOXER CODEX: FROM THE ARCHIVES TO THE APP WORLD M.L. Garcia-Verdugo	1230
INTUITIVE AND INTERACTIVE GEOMETRY S. Nápoles, M. Oliveira	1239
TEACHING AND LEARNING TRANSVERSAL COMPETENCES IN THE HIGHER EDUCATION. LEARNINGS FROM ERASMUS + SOCCES-PROJECT A. Guilland, L. Terzieva, S. Nieminen	1248
REINFORCING THE CONCEPT OF CLOTHOID, A KEY CONCEPT IN GEOMETRIC DESIGN OF ROADS  H. Pérez-Acebo, E. Alberdi Celaya, M.I. Eguia Ribero, M.J. García López, I. Álvarez González	1255
ACADEMIC PERFORMANCE ANALYSIS IN SEVERAL BASIC MATTERS OF THE AREAS OF MATHEMATICS AND GRAPHICAL EXPRESSION IN ENGINEERING IN RELATION WITH THE STUDENTS' ENTRANCE PROFILE  E. Alberdi Celaya, M.I. Eguia Ribero, P. Etxeberria Ramirez, M.J. García López	1262
THE USE OF PEER OBSERVATION IN PRE-SERVICE FOREIGN LANGUAGE TEACHER EDUCATION S. Čurković Kalebić	1271
EFFECT OF METACOGNITIVE STRATEGY INSTRUCTION ON INTERMEDIATE LEARNER'S READING COMPREHENSION SKILL IN AN ECUADORIAN EFL CLASS M. Arteaga, C. Manosalvas	1278
THE VISION OF UNIVERSITY STUDENTS TOWARDS THEIR FUTURE C.P. Suarez Rodriguez, M. Ojeda Gutierrez, S. Vidales Felix, E. Arribas Garde, M. Sandoval Martinez	1287
INFORMATION COMMUNICATION PROFESSIONALLY EDUCATING ENVIRONMENT AS THE LANGUAGE TEACHING AID OF ICT STUDENTS O. Anchugova, A. Kovaleva, L. Korneeva	1296
DEVELOPING AN ONLINE LEARNING STUDENT SUCCESS ECOSYSTEM TO HELP STUDENTS PERSIST TO GRADUATION T. Stavredes	1300
TRAINING RUSSIAN ENGINEERING STUDENTS AS INTENDED TRANSLATORS IN THE SPHERE OF PROFESSIONAL COMMUNICATION Y. Veber, O. Polyakov, A. Kerimkulov	1305
STUDENTS' INTERACTION FOR ENHANCING LEARNING MOTIVATION AND LEARNING SUCCESS: FINDINGS FROM INTEGRATING A SIMULATION GAME INTO A UNIVERSITY D. Otto	1316

FOSTERING COLLABORATIVE KNOWLEDGE WITH CMAPTOOLS IN GEOGRAPHY CLASSROOM L.F. Campelo, S.C.B. Piconez	1325
AFFECTIVE COMPUTING AND EDUCATION  J. Oliver, B. García-Zapirain	1334
MICROSCOPES IN THE CLASSROOM  J. Oliver, B. García-Zapirain	1339
USE OF TECHNOLOGY BY PRE-SERVICE TEACHERS ON SCHOOL PLACEMENT - AN IRISH PERSPECTIVE  A. Egan, A. FitzGibbon, K. Johnston, E. Oldham	1345
SOCIAL MEDIA USE AS A FACTOR OF ENGAGEMENT OR INTEGRATION N. Wesseling	1355
ANATOMY, E-LEARNING AND VISUOSPATIAL ABILITY: CONSIDERATIONS FOR FUTURE LEARNERS S.E. Van Nuland, K.A. Rogers	1356
NEW DESIGNS IN UNIVERSITY CURRICULUM: TEACHING POLITICAL LINGUISTICS O. Solopova, M. Ilyushkina, A. Chudinov	1357
PROCESS SAFETY EDUCATION AND TRAINING: ACADEMIC EDUCATION AS A FOUNDATION FOR OTHER PROCESS SAFETY INITIATIVES ON EDUCATION G. Boogaerts, J. Degrève, G. Vercruysse	1364
HUMAN CAPITAL MANAGEMENT IN RUDN UNIVERSITY- INDUSTRY COLLABORATION: ECONOMIC AND PSYCHOLOGICAL ASPECTS A. Pilishvili T. Pilishvili	1375
ENHANCING YOUNG CHILDREN'S WITH AUTISM SOCIAL INTERACTION AND TASK PERFORMANCE THROUGH VISUAL ARTS, USING IPAD APPLICATIONS IN THE FORM OF A DIGITAL STORYTELLING  A. Papachrysanthaki	1376
EDUCATION AS A FACTOR IN PREVENTING ETHNIC CONFLICTS IN MODERN RUSSIA  A. Kerimov, A. Shutaleva	1382
NEW EXPERIENCES FOR INTERNATIONAL UNIVERSITY COOPERATION IN ECONOMIC EDUCATION AND RESEARCH IN ROMANIA A. Zamfir, I. Popa, C. Cicea, C. Dobrin, C. Marinescu	1392
SOCIAL MODEL OF LABOR FORCE FORMING V. Gnevasheva	1401
EMOTIONAL SKILLS IN ASD STUDENTS USING AN IPAD G. Lorenzo, G. Arráez Vera, A. Lledó Carreres, C. Gonzálvez	1412
BRIDGING THE LNG KNOWLEDGE GAP IN THE BALTIC SEA REGION: THE GO LNG INITIATIVE AND THE ESTABLISHMENT OF A COMPETENCE CENTER  D. Dalaklis, A.I. Ölçer, J. Madjidian, F. Ballini, M. Kitada	1417
DEVELOPMENT OF A HOLISTIC MARITIME ENERGY MANAGEMENT PROGRAMME AT THE POSTGRADUATE LEVEL: THE CASE OF WMU A.I. Ölçer, F. Ballini, M. Kitada, D. Dalaklis	1426
COMBINING PEDAGOGICAL STRATEGIES AND ICT SUPPORT FOR FOSTERING THE DIGITALIZED AGENTIC LEARNER  L. Bernhardsson, H. Vallo Hult, M. Gellerstedt	1433
VOCATIONAL TRAINING FOR ACADEMICS OF DIFFERENT FIELDS IN WRITING CORRESPONDENCE IN ENGLISH N. Kuzmina, K. Bityutskikh, D. Kochkina	1442
SUBJECTIVE WELL-BEING AMONG RUSSIAN AND JAPANESE UNIVERSITY STUDENTS T. Pilishvili, A. Kano	1450
INITIATION TO PROGRAMMING WITH ARDUINO BY MEANS OF COLLABORATIVE LEARNING C. Moron, M.P. Ramos, D. Ferrandez, A. Payán	1451
A DIALOGUING PEDAGOGICAL METHOD PART OF THE WORK BOOK TOOL, IN THE "DESIGNPROGRAMMET" AT THE UNIVERSITY OF KALMAR, SWEDEN H. Jarild-Koblanck, M. Moro	1457
TRENDS AND PROSPECTS OF BLENDED LEARNING AT TECHNICAL UNIVERSITIES T. Yakimova, T. Artcer, A. Zhavoronok	1463

PSYCHOLOGICAL PECULIARITIES OF CREATIVE TEACHERS WORKING WITH MIGRANT STUDENTS	1468
V.I. Pishchik, Y.E. Galoyan, G.A. Molokhina, E.A. Petrenko, E.E. Rood, B.V. Martynov	
DESIGNING AND PLANNING TEACHING PROCESS - TEACHER'S COMPETENCE AND ITS EVALUATION Z. Gadusova, B. Hockickova, I. Lomnicky, L. Predanocyova, R. Zilova	1474
TEACHER'S CAREER PROGRESSION IN THE CONTEXT OF LIFELONG LEARNING I. Lomnicky, L. Predanocyova, Z. Gadusova	1483
DEVELOPING MULTICULTURAL ATTITUDES OF STUDENTS THROUGH EDUCATIONAL GAMES V. Jakubovská, E. Stranovska	1488
SIMULATION OF SOCIAL SITUATION AS A MEANS OF DEVELOPING TOLERANCE FOR AMBIGUITY E. Stranovska, V. Jakubovská, S. Stancekova	1494
ROLE PLAY AS A TEACHING METHOD OF STUDENTS' TOLERANCE FORMATION IN MULTIETHNIC EDUCATIONAL ENVIRONMENTS IN EFL CLASS A. Abdrafikova, T. Pimenova, I. Yarmakeev	1503
MEANS OF BOOSTING STUDENTS' MOTIVATION IN CLASSES OF ENGLISH AS A SECOND LANGUAGE	1512
E. Arsenteva, Y. Arsentyeva, R. Ayupova	
COMPULSORY TEACHING PRACTICE: WHAT MAKES A CLASSROOM TEACHER IN RUSSIA PROFESSIONALLY STRONG?  T. Pimenova, A. Abdrafikova, I. Yarmakeev	1517
PREFERENCES OF TEENAGERS ABOUT ONLINE VIDEO: HOW TO INCORPORATE EDUCATIONAL INFORMAL VIDEOS IN THEIR DAILY CONSUMPTION ROUTINES C. Almeida, P. Almeida	1526
EVALUATION OF A MULTIMEDIA USER INTERFACE DESIGN METHOD FOR MOBILE LEARNING S. Nagro, R. Campion	1533
PROMOTING DIGITAL LITERACY AND CLOSING THE EDUCATIONAL GAP THROUGH THE USE OF A GLOBAL PROJECT T. Levy, K. Eini	1542
COLLEGE STUDENT PREFERENCES FOR GRADING RESPONSES: ASSESSING THE EFFECTIVENESS OF VIDEO FEEDBACK FOR WRITING ASSIGNMENTS F. Rodgers	1543
EMOTIONAL EXPERIENCES LINKED TO LEARNING: THE EMOTIONAL WORLD OF TRAINEE TEACHERS S. Iluz, Z. Mevarech	1544
ACADEMIC PERFORMANCE OF STUDENTS WITH DIFFERENT SPECIALIZATIONS AND LEARNING TO LEARN COMPETENCE L. Smékalová, K. Němejc	1545
I DON'T NEED PEER-SUPPORT: EFFECTIVE TUTORING IN BLENDED LEARNING ENVIRONMENTS FOR LEARNERS STUDYING VOCATIONALLY ORIENTATED DEGREES  A. Youde	1552
FACTORS POSITIVELY INFLUENCING PERSISTENCE AND PROGRAM COMPLETION FOR NONTRADITIONAL STUDENTS ENROLLED AT A FOR-PROFIT POSTSECONDARY INSTITUTION K. MacDonald	1562
AN EFFECTIVE E-LEARNING MODULE FOR GASTROINTESTINAL DISEASE PHARMACOLOGY Y.L. Chia, A. Sen, K.K. Tha, C.Y. Lee	1572
TEACHING OF BUSINESS LANGUAGE FOR STUDENTS OF NON-LINGUISTIC SPECIALITIES  I. Melihova, A. Skorobogatova	1581
TECHNOLOGY, EDUCATION AND FREEDOM T. Hauer	1587
FROM LATEX TO JUPYTER: CONVERTING TRADITIONAL TO MODERN B. Küppers	1592

THE RELATIONS BETWEEN HAPPINESS AND ACADEMIC ACHIEVEMENTS, COPING STRATEGIES AND PERSONAL CHARACTERISTICS OF ADOLESCENTS 14 - 16 YEARS OLD  M. Permiakova, I. Ershova, O. Vindeker, L. Tokarskaya, M. Klimenskikh	1597
Q4ADHD - QUALITY ASSURANCE IN VET FOR LEARNERS WITH ATTENTION DEFICIT HYPERACTIVITY DISORDER I. Miralles, M. Madjarova	1604
FAST SCANNING TECHNOLOGY AND 3D PROTOTYPE OF BONES FOR TEACHING PURPOSE M.T. Ugidos Lozano, F. Blaya Haro, J.A. Juanes Mendez	1610
ARE STUDENTS CUSTOMERS IN HIGHER EDUCATION? SHOULD WE CARE ABOUT THE ANSWER? S. Campbell-Perry, E. Williamson	1617
CRITICAL INFRASTRUCTURE PROTECTION IN HIGHER EDUCATION IN SLOVAKIA M. Luskova, B. Leitner	1624
INFORMATION LITERACY APPLIED TO ENGINEERING M. Paches, I. Romero, R. Martinez-Guijarro	1630
FLIPPED LEARNING WORKSHOPS I.B. Frimannsdóttir	1635
3D PRINTING AND CNC PREFABRICATION - DIDACTIC EXPERIENCE ARISING FROM THE TEACHING PROGRAM IN ARCHITECTURE AND INTERIOR DESIGN M. Sitek	1636
A PROBLEM-BASED LEARNING AND KNOWLEDGE BUILDING METHOD TO LEARN BASIC THEORICAL CONCEPT V. Perez-Cabezas, J.A. Moral-Muñoz, C. Ruiz-Molinero, B. Nuñez-Moraleda	1645
APPLICATION OF COLLABORATIVE LEARNING AND GAMIFICATION AS ALTERNATIVE COMBINED METHODS TO MASTER CLASSES N. Montanes, L. Sanchez-Nacher, V. Fombuena, D. Garcia-Garcia, L. Quiles	1649
USE OF TRELLO TO MANAGE A PHD THESIS T. Boronat, N. Montanes, V. Fombuena, A. Carbonell, D. Garcia-Sanoguera	1654
NEW EXPERIENCE IN UNIVERSITY CURRICULUM: FORENSIC LANGUAGE EXPERTISE	1659
O. Turbina, O. Solopova, O. Weingart	
FOREIGN LANGUAGES FURTHER EDUCATION IN RUSSIA IN THE CONTEXT OF GLOBALIZATION: SOCIAL ASPECT O. Turbina, M. Turbina, E. Zherebiateva, O. Solopova	1667
DIGITAL STORYTELLING AND LANGUAGE LEARNING K. Eini, T. Levy	1673
TAKING OUR LEARNING AND TEACHING STRATEGY TO THE NEXT LEVEL THROUGH TECHNOLOGY ENHANCED CAMPUS DEVELOPMENT A. Robertson	1674
TELEHEALTH AND HEALTH TELEDUCATION USING MOBILE PLATFORMS - UNA- SUS AMAZON W.O. Magalhães dos Santos, I. Nunes Rodrigues, V. de Araújo Oliveira, H. Pereira de Oliveira Barbosa, R. Pinto Zacarias Filho, A. Ferreira Magalhães Neto	1682
MAKING THE MOST OF PRE-CLASS ASSIGNMENTS P. Ballesteros-Pérez, M.C. González-Cruz, A. Tagg, D. Mora-Melià	1688
ACTIVE LEARNING IN HIGHER EDUCATION: DEVELOPING PROJECTS IN PARTNERSHIP WITH INDUSTRY  J. Dinis-Carvalho, S. Fernandes, R.M. Lima, D. Mesquita, C. Costa-Lobo	1695
DIGITAL PEER-ASSESSMENT ACTIVITIES: STUDENTS AS THE HEROES OF A TRANSITION FROM CONTENT CONSUMERS TO CREATORS OF SIGNIFICATIVE LEARNING  M.A. Portela Iglesias, G. Garcia Fernandez	1705
UNIVERSITIES ARE DIFFERENT, EVEN FROM THE SAME CONTEXT AND LEGAL FORM: THE CHALLENGE TO CONSIDER ORGANIZATIONAL CULTURE AND WORKERS ENGAGEMENT TO UNDERSTAND UNIVERSITIES' BEHAVIOR AND PROCESSES  V. Ramos, Y. I. Unda, A. Robelino Lónga, A. Evanço	1715

CAROMTE (CODING AND ROBOTICS ON MATH THROUGH ENGLISH): THE NEXT CHAPTER ON IMPLEMENTING COMPUTATIONAL THINKING INTO THE CURRICULUM. AN INTERNATIONAL ERASMUS+ KA201 PROJECT G. Garcia Fernandez, G. Bicego	1721
DEVELOPMENT OF CRITICAL THINKING OF HIGHER EDUCATION STUDENTS LEARNING IN TEAMS N. Plotnikova, E. Galiullina, N. Khabirova, E. Voronina	1731
MODERN TRENDS IN THE DEVELOPMENT OF INCLUSIVE EDUCATION IN RUSSIA AND OTHER COUNTRIES N. Sigal, I. Kondrateva, N. Madyakina, N. Plotnikova	1739
REFLECTIONS ON THE CHALLENGES EXPERIENCED BY NEWLY APPOINTED ACADEMIC STAFF P. Cenge	1746
THE NECESSITY TO COMBINE REAL AND VIRTUAL LAB PRACTICES M.T. Frejo, J. Del Pino, P. Moyano, M.J. Anadon, F.J. Mourin, M. Ruiz, M. De Friaz, M. Lobo, J. Garcia, A. Flores, M.J. Diaz	1752
THE IMPORTANCE OF TEACHING COMMUNICATIVE SKILLS TO UNIVERSITY STUDENT	1753
M.T. Frejo, J. Del Pino, P. Moyano, M.J. Anadon, M. Lobo, J. Garcia, A. Flores, M. Ruiz, J.M. Garcia, F.J. Mourin, M.J. Diaz	
GLOBALWORKIT – CONNECTING LEADING INFORMATION AND COMMUNICATIONS TECHNOLOGY (ICT) SECTORS M. Collins, D. Lillis	1754
COMPETENCES DEVELOPED IN A DOUBLE DEGREE PROGRAMME: MASTER OF SCIENCE IN ENGINEERING AND IN EDUCATION M. Cronhjort, L. Naeslund, S. Nyberg	1762
A NEW MODEL FOR MAINTAINING THE QUALITY OF ENGINEERING LABORATORIES EQUIPMENT G.M. Moraru, L.G. Popescu	1768
QUALITY VERSUS QUANTITY IN THE ACADEMICS' EVALUATION G.M. Moraru, L.G. Popescu	1777
PRACTICAL TASKS FOR DETERMINING THE EXTREME VALUES – FINDING SOLUTIONS WITH DERIVATIVES AND VISUALISATION WITH GEOGEBRA B. Janakievska	1784
CALCULATION OF ROOF OF A HOUSE WITH TRIGONOMETRY - ORTHOGONAL PROJECTION WITH GEOGEBRA  B. Janakievska	1790
A MULTIDISCIPLINARY STRATEGY FOR CONTINUOUS FORMATIVE SELF- EVALUATION IN ENGLISH USING ON-LINE TOOLS V. Fernandez-Ruiz, F. Romero Aguilera, P. Morales, M.C. Sanchez-Mata, M. Camara, D. Cordoba- Diaz, M. Cordoba-Diaz, T. Girbes, P. Jimenez, C. Chaya, B. Urosa, I. Muñoz San Roque	1796
PROFESSIONALIZATION IN EDUCATIONAL MANAGEMENT OF THE COMMISSIONERS IN THE AREA OF FOREIGN LANGUAGES. STUDY OF THE UNIVERSIDAD AUTÓNOMA DE CHAPINGO (UACH) R. Sanabria, J. Ramos, P. Garduño	1804
THE SOCIO-PSYCHOLOGICAL WELL-BEING OF TEACHERS 25 YEARS LATER M. Permiakova, B. Berzin, I. Ershova, O. Vindeker, A. Maltsev	1813
SKILLS SET DETERMINANTS OF IND-CADETS WORKFORCE IN HIGHTECH CONSTRUCTION COMPANIES IN LAGOS NIGERIA E. Erebor, P. Aderonmu, B. Adewale, A. Sholanke, F. Jegede	1821
STUDYING ON AN ONLINE MBA COURSE WITH A UK BUSINESS SCHOOL: ACADEMIC ACCULTURATION, GLOBAL AND LOCAL PERSPECTIVES R. Ramanau	1829
NEW APPROACH AND TOOLS FOR SYSTEMATIC INTEGRATION OF HIGHER EDUCATION WITH RESEARCH AND DEVELOPMENT PROJECTS K. Ojasalo, S. Juvonen, V. Kaartti, H. Haapaniemi	1839
IMPROVING DISRUPTIVE BEHAVIOUR IN A MATHEMATICS CLASS OF COMPULSORY SECONDARY EDUCATION A. Beltrán Felip, P. García López, R. Beltrán Felip, V. Beltrán Felip	1847
AN INNOVATIVE APPROACH FOR THE IMPLEMENTATION OF BLENDED LEARNING IN THE SPANISH VOCATIONAL TRAINING QUALIFICATION FRAMEWORK I. Ferrer, M. Cervantes, M. Lázaro	1853

CORRELATION OF FEEDBACK COMMENTS WITH STUDENT ATTAINMENT ON AN OPEN UNIVERSITY MODULE L. Robson	1862
TEACHING HOW TO PLAN BUSINESS ENGLISH DISCOURSE: FUNCTIONAL LINGUISTIC THEORY & PRACTICE  D. Khramchenko, D. Razoryonov, L. Ryazantseva, Y. Khlopotunov	1868
INTERTEXTUALITY AND BUSINESS ENGLISH DISCOURSE: TEACHING IN HARMONY WITH FUNCTIONAL LINGUISTIC THEORY  D. Khramchenko	1874
A MODEL FOR ACADEMIC STAFF TRAINING IN INTERNATIONAL ACTIVITIES  I. Kotlyarova, K. Volchenkova	1878
OPEN CONTENT DEVELOPMENT IN ICT ENVIRONMENT A. Benedek, G. Molnár	1883
INTERACTIVE LEARNING EXPERIENCE IN THE HIGH EDUCATION AREA E. Andreeva, G. Chumarina, I. Korneva	1892
ELECTRONIC TEXTBOOK AS AN INNOVATIVE FOREIGN LANGUAGE TRAINING TOOL FOR HIGHER EDUCATION E. Andreeva, G. Chumarina, I. Korneva	1897
ONLINE TESTING OF EXTENSIVE READING AT LINGUISTICS FACULTIES  I. Stavtseva, I. Parulina	1901
LEARNING A FOREIGN LANGUAGE AS THINKING ACTIVITY REINFORCEMENT A. Belousova, L. Abrosimova, M. Bogdanova	1909
COLLABORATIVE THINKING ACTIVITY WITHIN INNOVATIVE EDUCATION STRUCTURE  A. Belousova, L. Abrosimova, M. Bogdanova	1915
INTERDISCIPLINARY EDUCATION AND ARCHITECTURE STUDENTS' EMPLOYABILITY SKILL DEVELOPMENT A. Oluwatayo, A. Ajibola, F. Akande, B. Aderemi-Lateef, O. Oliyide	1922
GRADUATE RECRUITMENT IN THE CONSTRUCTION INDUSTRY: WHAT IS IMPORTANT?  A. Oluwatayo, I. Ezema, A. Opoko, J. Peter, C. Ayedun	1928
FOSTERING THE REDUCTION OF ASSORTATIVE MIXING OR HOMOPHILY INTO THE CLASS J. Meza, O. Ortiz, E. Simó, M. Vaca Cardenas, S. Roman, J. Monguet	1934
EXPLORING THE IMPACT OF ICT TOOLS OF COLLECTIVE INTELLIGENCE IN BLENDED LEARNING ENVIRONMENT O. Ortiz, J. Meza, M. Berges, M. Cerda, M. Vaca Cardenas, J. Monguet	1944
TEACHING INTERNATIONAL STUDENTS AT A RUSSIAN TECHNICAL UNIVERSITY: PSYCHOLOGICAL AND PEDAGOGICAL PECULIARITIES S. Sheveleva, L. Ponomareva, E. Frantcuzskaia, V. Starodubtsev	1955
CREATIVE USES OF TECHNOLOGY IN MENTORING AND PROFESSIONAL SUPPORT WITHIN SMALL GROUP DIVERSE FACULTY COHORT SUPPORT NETWORKS S. Toliver	1963
UTILIZATION OF A ROBOT AS AN EDUCATION MATERIAL FOR A PUBLIC JUNIOR HIGH SCHOOL	1964
A. Ishihara, T. Zhang, B. Teoh Kai Shen, W. Muraishi, M. Nakahara, A. Ohashi, A. Kobayashi  ASSESSMENT OF STUDENT LEARNING EXPERIENCE WITH 'LOVE'  D. Hussadintorn Na Ayutthaya, P. Koomsap	1973
FEMINIST ACTION IN LITERATURE TEACHING H. Sfeir	1983
QUESTIONABLE CRITICAL THINKING SKILLS AND THIRD SPACE AGAINST HEGEMONY AND IDENTITY LOSS (HE EFL) H. Sfeir	1984
UNDERSTANDING THROUGH ACTIVE METHODOLOGIES  A. Rodriguez, L. Ramírez, J. Martínez	1993
LESSONS LEARNT WHEN DEVELOPING A TECHNOLOGY INTEGRATED INTERVENTION FOR FIRST YEAR PHYSICS STUDENTS  J. Kriek, A. Coetzee	2000
GAME-BASED LEARNING IN EFFORT TO ENHANCE PROMOTION OF MINORITY LANGUAGES  E. Petrov. I. Mustafina, M. Allochani, D. Al-Jumeilu	2001

IS PEDAGOGICAL FOCUS ENOUGH TO RETAIN STUDENT INTEREST IN ENGINEERING?  J. Rojter	2006
A BOARD GAME FOR LEARNING AND COMMUNICATING ABOUT EMOTIONAL AND SEXUAL LIFE IN SECONDARY EDUCATION M. Bruyninckx, D. Cauchie, I. Pocorobba	2013
IMPLEMENTATION OF A NEW TEACHING AND LEARNING PEDAGOGY: LISTEN TO AND INVOLVE TEACHERS  D. Said Pace	2034
GOAL-SETTING IN THE CONTEMPORARY EDUCATIONAL ENVIRONMENT T. Konyuhova, E. Konyukhova, Z. Zavyalova, E. Suhushina, O. Osokina, O. Sichevskaya	2044
APPLICATIONS OF OPTIMISATION IN SERIOUS GAMES DESIGN: AN INTEGRATED FRAMEWORK A. Tobail, A. Arisha	2050
A GRAPHICAL INTERFACE FOR AWARDING INCREMENTAL POINTS FOR DIGITAL BADGES IN AN ENGLISH VILLAGE REWARD SYSTEM G. Bateson, A. Vazhenin, J. Brine	2060
IMPLEMENTATION OF A CREATIVE EXPERIENCE IN PROBLEM-BASED LEARNING COURSE FOR NOVICE OCCUPATIONAL THERAPY STUDENTS - A PILOT STUDY S. Gat, M. Pade, M. Avrech Bar	2068
A FRAMEWORK FOR MEASURING VR-BASED INSTRUCTION EFFECTIVENESS K. Vassallo, V. Camilleri, C. Layfield, M. Montebello	2069
EXPORTING HIGHER EDUCATION FROM OLD INDUSTRIALIZED NATIONS TO DEVELOPING COUNTRIES; WHO BENEFITS?  C. Nuur	2080
RAISING THE AWARENESS OF PRE-SERVICE LANGUAGE TEACHERS ABOUT ELF CONCEPTS AND IMPLICATIONS Y. Özkan	2081
FOURTH INDUSTRIAL REVOLUTION AND TECHNICAL EDUCATION P. Pecina, P. Sládek	2089
APPROACH FOR MEASURING SUSTAINABLE EMPLOYABILITY - A CONCEPT FOR ACADEMIC EDUCATION  N. Golowko, V. Just, A. Bartels, M. Scheiblich, M. Studeny	2094
TRAINING MADE ACCESSIBLE: OPENCLASSROOMS TRAINS UNEMPLOYED FOR DIGITAL JOBS N. Cernecka	2105
USEFULNESS OF VIDEOS FOR ASSESSING COMPETENCES IN E-LEARNING FROM THE STUDENTS' PERSPECTIVE C. Hintzmann-Colominas, M. Viu	2106
REGIONAL LANGUAGES IN THE MASS MEDIA: CHALLENGES OF GLOBALIZATION (CASE STUDY THE REPUBLIC OF TATARSTAN) N. Nurutdinova, C. Gataullina, E. Petrov, L. Slavina, I. Sokolova	2116
HOME RELATED FACTORS AND ITS INFLUENCE ON LEARNING AMONG STUDENTS IN THE AWUTU-SENYA AND EFFUTU EDUCATIONAL DISTRICTS D. Yelkpieri, E. Ofosu-Dwamena, P. Kwegyir-Aggrey	2121
DOWNTIME LEARNING AS A COMPLEMENT OF INSTITUTIONAL EDUCATION  J. Válek, P. Sládek	2134
THE INFLUENCE OF COGNITIVE TASKS ON MENTORING PROVIDED. INVESTIGATING THE MODERATING INFLUENCE OF PROFESSIONALLY EDUCATED STAFFS T. Waaland	2141
A SPECIAL OCCUPATIONAL THERAPY PROGRAM FOR ETHIOPIAN IMMIGRANT STUDENTS IN ISRAEL: PRIVILEGE OR BASIC RIGHT?  E. Olinky, Z. Ratzon	2142
PROPOSAL OF A PROJECT FOR PROGRESSIVE ADAPTATION OF STUDENTS TO BACHELOR THESIS  M. Jiménez García, J. Ruiz Chico, A.R. Peña Sánchez, T.E. Pontón Aricha	2143
HOW AUTONOMOUS WE ARE? REFLECTIONS OF ENGLISH TEACHERS  Ç. Atmaca	2149

TEACHING FOREIGN LANGUAGES IN MULTICULTURAL ENVIRONMENT OF US SCHOOLS: CHALLENGES AND PROSPECTS R. Khanipova, D. Sabirova, N. Titova, E. Voronina	2158
EYE TRACKING STUDIES FOCUSING ON MATHEMATICS: A LITERATURE REVIEW A. Perttula	2166
EARLY INTERNATIONALIZATION - THE IMPORTANCE OF SKILLS AND RELATIONAL NETWORKS C. Azevedo Lobo, I. Maldonado	2175
SOCIAL NETWORK SITES AS COMMUNICATION TOOLS BETWEEN UNIVERSITIES AND STUDENTS  N. Sánchez-Casado, A. Rodríguez-Gascón	2184
JAPANESE LANGUAGE LEARNER ANXIETY: A CASE STUDY OF CHINESE UNIVERSITY STUDENTS Y. Fukuoka	2192
THE USE OF A COOPERATIVE-LEARNING ACTIVITY ABOUT SCIENTIFIC LITERATURE SEARCH IN PHYSIOTHERAPY STUDENTS: AN EXPERIENCE M.A. Ruescas-Nicolau, M.L. Sánchez-Sánchez, G.V. Espí-López	2196
GRAMA: A WEB APPLICATION FOR LEARNING AND GENERATING CREATIVE LANGUAGE B. Méndez, E. Lloret	2204
BELIEFS, ATTITUDES, KNOWLEDGE AND BEHAVIOURS TOWARDS EVIDENCE-BASED PRACTICE OF PHYSIOTHERAPY UNDERGRADUATES M.A. Ruescas-Nicolau, M.L. Sánchez-Sánchez, G.V. Espí-López	2214
PERSONALIZED EDUCATION IN CHEMISTRY USING COGBOOKS ADAPTIVE LEARNING TECHNOLOGY P. Smith	2223
EVALUATION OF STUDENT DROPOUT RATE AND REASONS DURING THE STUDY L. Paura, I. Arhipova, G. Vitols	2233
ON PERSONALISED LEARNING SCENARIOS EVALUATION MODEL J. Kurilova, S. Minkevicius, E. Kurilovas	2239
DESIGNING A QUALITY ASSURANCE SYSTEM FOR DOCTORAL EDUCATION M.J. Rosa, A. Teixeira, J. Rafael, J. Mendes	2250
STUDENTS' EXPECTATIONS AND DEGREE OF SATISFACTION WITH THE HEALTH SCIENCES DEGREE WHEN FACED WITH A PRACTICAL LABORATORY CLASS M.C. Ruiz-Grao, M. García-Moreno, A. Hernández-Martínez, M.L. Amo-Saus, M. Molina-Alarcón, J. Rodríguez-Almagro, F. García-Sevilla, A. Rubio Álvarez, M. Donate-Manzanares, M. Molina-Alarcón	2257
PROSPECTIVE TEACHERS' BELIEFS REGARDING THEIR PREPAREDNESS FOR TEACHING MATHEMATICS AT ELEMENTARY SCHOOLS R. Dofková, D. Nocar	2266
DEVELOPING A COMMUNITY OF PRACTICE TO SUPPORT ACADEMICS ENGAGING IN DISTRIBUTED SCHOLARSHIP R. Perry, L. Robson	2272
A WEB-BASED ASSISTIVE SYSTEM WITH MULTI-MEDIA AIDS J. Tan, J. Kerbaugh	2282
STUDENTS' BENEFIT FROM VIDEO WITH INTERACTIVE QUIZZES IN A FIRST-YEAR CALCULUS COURSE H.S. Midtiby, C. Noergaard, C. Kjaer	2290
OVERALL DEVELOPMENT MANAGEMENT MODEL: A NEW APPROACH FOR EMERGING COUNTRIES COMPARATIVE ANALYSIS OF SIX COUNTRIES ON TWO CONTINENTS  F. Sciarelli, A. Rinaldi	2300
INTRINSIC DETERMINANTS AFFECTING THE ACQUISITION OF ENGLISH LANGUAGE AND LITERACY: A CASE STUDY OF SOUTH AFRICAN ESL LEARNERS A. van Staden, M. Coetzee	2313
BLUEJ IDE AND ARCHITECTURE FIRST METHODOLOGY R. Pecinovsky, J. Pavlíčková	2321
INTERNATIONALISATION OF INSTITUTIONAL EDUCATIONAL SPACE THROUGH DOUBLE DEGREE PROGRAMS T. Vitenko, P. Drozdziel, R. Madlenak	2326

DESIGNING TO MEET INDIGENOUS NEEDS: PLACE OF TRADITIONAL STUDIES IN ARCHITECTURAL EDUCATION F. Jegede, B. Adewale, P. Aderonmu, E. Ibem, D. Oluwatayo, O. Fulani	2331
TACKLING CLASSROOM APATHY AMONG UNDERGRADUATE STUDENTS IN A DEVELOPING WORLD CONTEXT AT PWANI UNIVERSITY  A. Mbogho, J. Hassanali	2337
HOW TO CONDUCT INSPIRING WEBINARS FOR STEM CLASSES IN SECONDARY SCHOOLS: EXPERIENCES FROM EDU-ARCTIC PROGRAM ON THE ARCTIC AND POLAR RESEARCH A. Goździk	2341
UNIVERSITY'S CONTRIBUTION TO INDUSTRIES IN THE CREATION OF A TOOL TO DIAGNOSE INNOVATION MANAGEMENT PROCESSES A. Robalino-López, V. Ramos, X.L. Unda, A. Franco	2351
ERIS: EXPLOITATION OF RESEARCH RESULTS IN SCHOOL PRACTICE - 30 EDUCATIONAL PACKAGES FOR SECONDARY SCHOOLS A. Goździk	2361
SIMULATED ANNEALING WITH PARAMETER TUNING FOR ENERGY OPTIMIZATION OF RETAINING WALLS. A CASE STUDY APPLICATION IN EDUCATION  J.V. Martí, V. Yepes, F. Molina-Moreno	2368
INTERNET USE AMONG SECONDARY SCHOOLS STUDENTS AND ITS EFFECTS ON THEIR LEARNING M. Almasi, H. Machumu, C. Zhu	2379
TEACHING STUDENTS TO BE READY FOR CHANGES T. Khomutova, A. Minyar-Beloroucheva	2391
DIGITAL FUTURE CLASSROOM: THE PHYSICAL SPACE AND THE INCLUSION OF THE NEET/REFUGEE POPULATION - CONCEPTUAL AND THEORETICAL FRAMEWORKS AND METHODOLOGY  L. Sardinha, A.M. P. Almeida, M.P. Barbas	2396
INTERNATIONAL MULTIDISCIPLINARY STUDENT TEAMS SOLVING REAL PROBLEMS FOR INDUSTRY P. Sanger	2406
PRIMARY SCHOOL TEACHERS PRE-SERVICE SCIENCE LEARNING. THE PLACE OF REFLECTION ABOUT EXPERIENCE. FINDINGS FROM AN ACADEMIC COURSE E. Balzano, A. Merinio, C. Miele, M. Serpico	2413
THEORETICAL ASPECTS CONCERNING THE APPROACHES TO ENGLISH LANGUAGE TEACHING E.L. Mara	2423
THE USE OF ICT BY HIGH SCHOOL STUDENTS AND THE IMPACT ON ACADEMIC PERFORMANCE	2428
M.R. Carranza Alcántar, C. Islas Torres, J.F. Caldera Montes, A.A. Jiménez Padilla, D. Alcaraz  DIGITAL ORGANIZATION – A NEW CHALLENGE IN THE INFORMATION SYSTEMS	2437
CURRICULUM M.J. Ferreira, F. Moreira, I. Seruca	
USING THE EMPLOYEE'S INTERNET PROFILE TO IMPROVE COMMUNICATION BETWEEN SCIENTISTS, STUDENTS AND BUSINESS REPRESENTATIVES Ł. Wiechetek	2448
NON COGNITIVE VARIABLES: DETERMINING SCHOOL PLACE AND WORK PLACE SUCCESS B. Oliver	2458
FILM PRODUCTION TEACHING METHODOLOGIES FOR THE DEAF: THE PALHOÇA BILINGUAL CAMPUS EXPERIENCE F. Bubniak, L. Moraes, B.P. Velloso, D. Scandolara, S. Figueiredo	2459
ENHANCING FACTORS OF BUSINESS INTERNATIONALIZATION - A MODEL FOR PORTUGUESE SMES C. Azevedo Lobo, A.T. Ferreira, S.A. Cordeiro, C. Costa-Lobo	2467
WHY DO STUDENTS STUDY ARCHITECTURE IN NIGERIA? A. Oluwatayo, O. Fulani, J. Ladapo, P. Nwankwo, D. Fadipe	2477
INSTRUCTIONAL LEADERSHIP: HOW COLLABORATIVE LEADERS SUPPORT ALL EDUCATORS F. Aefsky, R. Sedlack	2481

PRACTICAL CLASSES IN COMPUTER PROGRAMMING FOR A ROBOTICS ENGINEER F. Escalona, F. Gomez-Donoso, D. Viejo, S. Orts-Escolano, M. Cazorla	2486
SCHOOL CLIMATE AND THE SENSE OF COHERENCE AMONG ADOLESCENT STUDENTS WITH DYSLEXIA U. Gosk, D. Al-Khamisy, E.M. Kulesza	2491
PRACTICAL CLASSES IN A ROBOTICS AND COMPUTER VISION SUBJECT F. Escalona, F. Gomez-Donoso, D. Viejo, S. Orts-Escolano, M. Cazorla	2497
BESIDE MARKETING IN FACEBOOK: A PROJECT FOR ENGAGING STUDENTS IN MARKETING SUBJECTS  N. Sánchez-Casado, L. Martínez-Caro, E. Tomaseti-Solano	2504
INTERNATIONAL PODCAST PROJECT: USING PODCASTS TO ENRICH AND ENHANCE EXPERIENCES IN INTERNATIONAL EDUCATION  B. Wiggins, S. Leahy, K. Jenkins, J. Smith, F. Arese Visconti, T. Young, B. Srisupawat	2510
PROMOTION OF MULTILINGUALISM VIA PROJECT-BASED LEARNING O. Belkina, E. Dolgopolova	2518
WHAT LEARNING COMPUTER SCIENCE LOOKS LIKE? F. Nasser-Abu Alhija, O. Levi	2525
EDUCATION FOR SUSTAINABLE DEVELOPMENT AND CULTURAL HERITAGE: PROMOTING LOCAL TRADITION M. Chondrogiorgos, G. Pandis, N. Tzaberis	2534
STUDY REGARDING THE EVOLUTION OF THE PRIMARY SCHOOL CURRICULUM FOR PHYSICAL EDUCATION IN ROMANIA IN ACCORDANCE WITH THE ASSESSMENT SYSTEM APPLICATION L.G. Talaghir, T.M. Iconomescu	2542
THE USE OF ONLINE FORMATIVE SELF-ASSESSMENT TO IMPROVE LEARNING IN SCIENCE: CASE STUDY IN CHEMISTRY LABORATORY PRACTICES FOR AGRONOMY ENGINEERING STUDENTS  G. Bárcenas-Moreno, M.C. Florido, P. Paneque, I. Gómez	2552
"WALKING WITH GIANTS" - A PLAYFUL IMMERSION IN THE CONTEXT OF THE MEGAFAUNA OF STATE OF RIO GRANDE DO SUL A. Silva, U. Fernandes Ribeiro, V. Franco, V. Witt Oliveira, R. Cresseri	2560
ORAL LANGUAGE ACQUISITION IN CHILDREN WITH DOWN SYNDROME M. Sanguino	2568
HAVING IDEAS TO CHANGE THE WORLD: ANALYSIS OF THE RESULTS ACHIEVED WITH THE MANUAL TO EDUCATE FOR ENTREPRENEURSHIP FOR CHILDREN 3 TO 12 YEARS OLD IN PORTUGAL C. Gama Guerra, G. Marques, D. Gomes, C. Pepe	2577
A UNIQUE APPROACH FOR CREATING STANDARDS FOR ONLINE COURSE DESIGN IN HIGHER EDUCATION M. Killen	2584
THE IMPACT OF AUTHENTIC PEDAGOGICAL ASSESSMENT ON STUDENT EVALUATION OF TEACHING IN UNDERGRADUATE ONLINE PSYCHOLOGY COURSES M. Killen	2588
THE IMPACT OF SOCIAL SUPPORT ON ACADEMIC MOTIVATION LEVELS IN HIGHER EDUCATION C. Costa-Lobo, P. Silva, A. Ribeiro, S. Silva	2593
IMPACT OF THE USE OF TECHNOLOGY AND HUMAN CAPITAL ON THE PRODUCTIVITY OF SMES IN THE METAL MECHANICAL INDUSTRY OF ECUADOR J. Ibujés Villacís, F. Tapia Rengifo	2603
FACTORS AFFECTING MOOC COMPLETION: THE PERSPECTIVE OF LEARNING SUPPORT  E. Barberà Gregori, C. Galvan Fernandez, J. Zhang, F. Fernández-Navarro	2612
EMPOWERING JAPANESE EFL LEARNERS WITH VIDEO RECORDINGS Y. Okada, T. Sawaumi, T. Ito	2621
INTRODUCTION TO DECISION BASED LEARNING K. Plummer, R. Swan, N. Lush	2629
TRANSVERSE COMPETENCE 'CRITICAL THINKING' IN CIVIL ENGINEERING GRADUATE STUDIES: PRELIMINARY ASSESSMENT V Yenes IV Martí F Molina-Moreno	2639

METHODOLOGY BASED IN DESIGN THINKING AND LEGO USE FOR COLLABORATIVE WORKING AND PBL. RESULTS FROM THE CRAYON'S PROJECT A. Buciega-Arévalo, L. Uixera	2650
BUSINESS ETHICS SKILLS OF BACHELORS AND MASTERS AS ONE OF THE KEY ELEMENTS OF THEIR PROFESSIONAL COMMUNICATION COMPETENCY E. Korotkova	2657
DEVELOPMENT OF ICT EDUCATIONAL SOFTWARE FOR PERCEPTIONAL TRAINING OF MANDARIN CHINESE NASAL CODAS R. Yang, H. Nanjo, M. Dantsuji	2664
LIFELONG LEARNING FOR UNIVERSITY HUMAN RESOURCE DEVELOPMENT I. Voloshina, I. Kotlyarova	2669
INTERNATIONAL STUDENTS IN MULTICULTURAL ENVIRONMENT OF INNOVATIVE UNIVERSITY: HERMENEUTIC APPROACH N. Pogukaeva, N. Pankova, E. Syryamkina, M. Khaldeeva, A. Pogukaeva	2674
STUDENTS DESIGN AND PROGRAM THEIR OWN VIDEO GAME TO LEARN ENGINEERING DESIGN PROCESS D. Randelovic, W. El-Sokkary	2681
THE PREDICAMENT OF ESL LEARNERS IN SOUTH AFRICA: DO OUR CURRENT PRACTICES ENABLE OR DISABLE THE DEVELOPMENT OF LITERACY AMONG ESL LEARNERS?  A. van Rhyn, A. van Staden	2688
REINFORCEMENT OF INTERDISCIPLINARY SKILLS IN THE FIELD OF ARCHITECTURAL COMPOSITION/CONSERVATION. THE "CABAÑAL RECORD" C. Mileto, F. Vegas, V. Cristini, J.M. Songel, M.J. Balaguer, J.L. Baró, F. Iborra, Y. Hernández, M. Melgarejo, L. García Soriano	2696
INTEGRATION OF EDUCATION, SCIENCE AND ENTREPRENEURSHIP IN STUDENT TRAINING AND PROFESSIONAL DEVELOPMENT OF ACADEMIC STAFF AND ENTERPRISE EMPLOYEES  S. Vaulin	2701
TEACHING ENGLISH GRAMMAR THROUGH DISTANCE LEARNING RESOURCES: CASE STUDY OF KAZAN FEDERAL UNIVERSITY K. Amirkhanova, E. Harkova, O. Palutina	2705
OBSTACLES IN REALIA TRANSLATION FROM THE SPANISH LANGUAGE INTO THE RUSSIAN LANGUAGE I. Martínez, A. Ismagilova, O. Palutina, Y. Díaz	2711
BENEFITS AND RISKS OF RUSSIAN PUBLIC AND PRIVATE UNIVERSITIES' FOREIGN LANGUAGE EDUCATION  E. Nazmieva, R. Shakirzyanova, E. Kapustina	2715
ETHICS AND ECONOMICS. TEACHING MATERIALS FOR ECONOMICS AND PHILOSOPHY CLASSES IN 1ST YEAR OF UPPER SECONDARY EDUCATION A. Beltrán Felip, R. Beltrán Felip, M.J. Gómez Cantos	2722
CONNECTING ACADEMIA WITH BUSINESS MANAGEMENT: INSIGHTS FROM THE ENTREPRENEURSHIP COMPETENCE-BASED APPROACH A. Soler-Dominguez, J. Ramos-Mezquita	2729
RETHINKING ENTREPRENEURSHIP COMPETENCE IN HIGHER EDUCATION: TOWARDS A NEW FRAMEWORK FOR THE SPANISH CASE  A. Soler-Dominguez, J. Ramos-Mezquita	2733
RESPONSE, ACCEPTANCE AND IMPACT OF THE DEVELOPMENT OF EARTHEN ARCHITECTURE WORKSHOPS FOR CHILDREN AT THE UPV C. Mileto, F. Vegas, L. García Soriano, E. Blanco Tamayo, V. Cristini, M. Morales	2738
THE PHD STUDY ASPIRATIONS AND VARIABLES ASSOCIATED WITH INTERESTS FOR CONTINUING EDUCATION IN KINESIOLOGY SENIORS L. Ružić, D. Kamenarić, H. Podnar	2744
WHERE IS MOBILE LEARNING GOING IN CHINA? H. Gumeta, J. Khan	2750
GRAMMAR APPROACH IN TEACHING WORD-COMPOSITION T. Ivanova, N. Arzhantseva, D. Tyabina	2760
EXPERIMENTAL DESIGN ON FIELD: TEACHING METHODOLOGY AND EDUCATIONAL EXPERIENCE M. Fumo. A. Violano. R. Castelluccio	2765

THE ROLE OF THE STUDENT'S WORK GUIDE IN A CONTEXT OF TEAMWORK AND EFFECTIVE COMMUNICATION  1. Tort-Ausina, A. Vidaurre, I. Salinas, J. Riera, J. Molina-Mateo, J.M. Meseguer-Dueñas	2776
TEACHING REGIONAL STUDIES IN RUSSIAN UNIVERSITIES T. Ivanova, N. Arzhantseva, G. Matushevskaya	2785
APPLICATION OF PROBLEM-BASED LEARNING IN EDUCATION OF COMPUTER SCIENCE: CASE STUDY IN VILNIUS UNIVERSITY  A. Brilingaité, L. Bukauskas	2791
POTENTIAL OF AN ACADEMIC SUBJECT IN PROFESSION-RELATED COMPETENCY FORMATION: CASE STUDY OF STAKEHOLDERS' REQUIREMENTS IN FOREIGN LANGUAGE TEACHING WITHIN ENGINEERING EDUCATION  A. Kuznetsov, A. Krupchenko, E. Schaveleva	2801
HONORS SCHOOL OF LINGUISTICS: AN INNOVATIVE PROJECT AT SOUTH URAL STATE UNIVERSITY, RUSSIA T. Khomutova, E. Damman	2808
VALIDITY OF DURING-TERM E- ASSESSMENT M. Misut, M. Misutova	2812
ASSESSING THE RELEVANCE OF INVOLVING BIOMEDICAL AND MEDICAL SCIENCE STUDENTS IN TEACHING AT DE MONTFORT UNIVERSITY A. Peña-Fernández, M.A. Peña Fernández, C. Weldon, H. Singh	2821
RHETORICAL METHODS AND TECHNIQUES AS AN EFFECTIVE MEANS OF OPTIMIZING VERBAL COMMUNICATION IN TEACHING RUSSIAN AS A FOREIGN LANGUAGE	2827
O. Bernat, M. Raevskaya, M. Chernysheva  SCIENCE AS A TOOL TO PROMOTE CRITICAL THINKING SKILLS (PEACE AND DEMOCRACY)  E. Galbis, M.V. de Paz, A. Alcudia, N. Iglesias	2839
SCIENCE SPREADING ACROSS SOCIETY. RESEARCH DISCLOSURE DAYS FOR STUDENTS OF EXPERIMENTAL SCIENCES E. Galbis, M.V. de Paz, A. Alcudia, N. Iglesias	2843
THE UNIVERSITY OF MELBOURNE, ARTS WEST REDEVELOPMENT. HOW LEARNING CAN BE ENHANCED BY THE PHYSICAL ENVIRONMENT R. Wilson, M. Carroll, J. Ligouris	2847
THE ORIENTATION OF THE EDUCATIONAL PROCESS TOWARDS PERSONAL ACHIEVEMENTS OF JUNIOR SCHOOLCHILDREN AS A CONDITION OF THEIR NEGLECT AND DELINQUENCY PREVENTION  T. Rusakova, G. Muss, S. Galenko, M. Androsova, D. Miroshnikova	2854
PROFESSIONAL LINGUODIDACTICS AS THE CUTTING-EDGE ADVANCED APPROACH TO FOREIGN LANGUAGE TEACHING IN TVET: ESP VS. CLIL A. Krupchenko, A. Kuznetsov	2863
WHAT IS ON THE OTHER SIDE OF THE FLIP? WE PUT THE SPOTLIGHT BACK ON THE CLASSROOM TO EXPLORE THE PHYSICAL SETTINGS THAT WILL SUPPORT MEANINGFUL AND MEMORABLE CAMPUS EXPERIENCES FOR TODAY'S STUDENTS R. Wilson, M. Carroll	2869
ROLE-PLAYING AS A COLLABORATIVE LEARNING METHODOLOGY APPLIED TO PHYSIOTHERAPY STUDENTS  M. Aguilar-Rodriguez, E. Marqués-Sulé, N. Sempere-Rubio, R. Faubel-Cava, S. Cortés-Amador	2874
EXPLORING THE SHIFTING LANDSCAPES OF THE VARIOUS FUTURES OF HIGHER EDUCATION; FLIPPING, BLENDING AND VIDEOING IN A VOLATILE, UNCERTAIN, COMPLEX AND AMBIGUOUS WORLD Z. Woolfitt	2878
PHYSIOTHERAPY STUDENTS' OPINIONS ABOUT THE USE OF AN ON-LINE LEARNING PROGRAMME TO LEARN PROFESSIONAL ETHICS IN THE UNIVERSITY M. Aguilar-Rodriguez, E. Marqués-Sulé, R. Faubel-Cava, N. Sempere-Rubio, S. Cortés-Amador	2883
CHEMICALLY SAFE ENVIRONMENT AS A GUARANTEE OF SCHOOLCHILDREN'S HEALTH O. Glikasa, L. Karule, H. Vecenane	2889
PREVENTION OF THE RISKY BEHAVIOR IN THE TRAFFIC AT PRIMARY AND SECONDARY SCHOOLS IN THE CZECH REPUBLIC K. Šmejkalova, P. Sládek	2900

ASSESSING COMPETENCES: INNOVATION, CREATIVITY AND ENTREPRENEURSHIP. THE CASE OF THE COMPETITION CAR  J. Ibáñez Civera, N. Laguarda-Miró, L. Gil Sánchez, C. Conesa Domínguez, R. Montes Robles, E. García-Breijo	2905
A WEB 3.0 EDUCATIONAL PROFILE BASED ON MICROMOVIES FOR SCIENCE LEARNING E. Gentzi, V. Koulountzos, F. Seroglou	2911
ERASMUS INTERNATIONAL STUDENTS AS IDIOMATIC TOURISTS: AN STUDY OF THE UNIVERSITY OF CORDOBA  M. Rodríguez Zapatero, L. Perez, I. Castillo	2919
CAREER ANCHORS OF PRE-SERVICE TEACHERS IN CONTEXT OF THEIR PERSONALITY S. Dobesova Cakirpaloglu, S. Lemrova	2926
SOCIAL NETWORK USE AND PRE-SERVICE TEACHERS LIFE SATISFACTION AND SELF-ESTEEM  J. Kvintova, S. Dobesova Cakirpaloglu, R. Szotkowski	2935
SELF-ASSESSMENT OF PROFESSIONAL COMPETENCE FOR TEACHERS' WORK IN INCLUSIVE EDUCATION  D. Bethere, I. Neimane, S. Usca	2942
ASSESSING THE FLIP-TEACHING EXPERIENCE FOR IMPROVING EDUCATION IN THE SUBJECT "EVIRONMENTAL TECHNOLOGY"  N. Laguarda-Miró, J. Ibáñez Civera, L. Gil Sánchez, C.A. Olguin Pinatti, R. Masot Peris, E. García-Breijo	2953
VIOLENCE AT SECONDARY SCHOOLS – THE BULLYING K. Šmejkalova	2962
COMPARING INSTITUTIONAL MOOCS STRATEGIES D. Rutkauskiene, D. Gudoniene	2967
THE USES OF MOBILE LEARNING CITIZEN ENGAGEMENT AND THE FOSTERING OF SMART CITIES R. Abdulrahman, W.A. Eardley, A. Soliman	2973
EXPERIENCES AND REFLECTIONS ON 'QUALIS' E. Ozgur, A.E. Pasha	2979
GENDER AND AGE BASED DIFFERENCES IN SUBJECTIVE OWN-BODY ASSESSMENT AT ELEMENTARY SCHOOL  J. Tomanova, J. Kvintová	2980
INFLUENCE OF NATURAL SCIENCES ON DEVELOPING THE PROFESSIONAL COMPETENCES OF THE HUMANITIES STUDENTS G. Erofeeva, L. Nemirovich-Danchenko, E. Sklyarova	2986
MOODLE AS SCAFFOLDING FOR THESIS WRITING N. Hancioglu Eldridge, E. Ozgur	2993
EDUSCRUM METHODOLOGY IN MATHEMATICAL ENGINEERING EDUCATION E. Pinto Ferreira, J. Mendonça, S. Nicola	2994
MINIMUM MEDICAL ENGLISH LANGUAGE EDUCATION FOR JAPANESE RADIOLOGICAL TECHNICIANS S. Connor	3001
PREPARING TEACHER LIBRARIANS TO LEAD TECHNOLOGY INTEGRATION TO SUPPORT STEM EDUCATION  M. Johnston	3002
ASSESSMENT OF APPLICATION OF UNIVERSAL DESIGN PRINCIPLES IN EDUCATIONAL FACILITIES FOR CHALLENGED CHILDREN IN LAGOS STATE, NIGERIA  A.P. Opoko, C.I. Odizia, I.T. Abiola, O.E. Daniel, O.O. Oluwole, E.N. Ekara, O.O. Badmus, J.A. Mabadeje	3012
THE IMPACT OF LONG TEACHERS' TRAINING ON PERFORMANCE AND ATTITUDE TOWARD SCIENCE OF BOTH TEACHERS AND STUDENTS-THE CASE OF SECONDARY SCHOOL TEACHERS  Z. Said, M. Abu-Dieyeh, A. Abu-Hennieh, H. Marouf	3021
ADVANCED WEB TECHNOLOGY FOR E-SESSIONS OF VIDEO-CONFERENCE IN COLLABORATIVE WORK ENVIRONMENTS V. Pupezescu, R. Rădescu, S. Paşca	3029

IMPLEMENTATION OF AN ONLINE COURSE ON DIFFERENTIAL EQUATIONS INCLUDING ADAPTIVE LEARNING D. Santiago-Acosta, L. Quezada-Batalla, M. Hernandez-Cooper, F. Delgado-Cepeda	3034
IMPROVING THE EFFICIENCY OF LEARNING PHYSICS WITH THE USE OF MATERIAL STRUCTURING, INTERDISCIPLINARY CONNECTIONS AND ELECTRONIC EDUCATIONAL RESOURCES FOR HIGH SCHOOL GRADUATES G. Erofeeva, YU. Giryakova, E. Sklyarova, T. Smekalina	3043
RETAKING A COURSE IN ECONOMICS: INNOVATIVE METHODOLOGIES TO DEVELOP LEARNING HABITS IN LARGE GROUPS OF LOW-PERFORMING STUDENTS  G. Abío, M. Alcañiz, M. Gómez-Puig, G. Rubert, M. Serrano, A. Stoyanova, M. Vilalta-Bufí	3052
A COMPETENCE FRAMEWORK OF THE STUDENT'S JOB: HELPING HIGHER EDUCATION STUDENTS TO DEVELOP THEIR ICT SKILLS H. Platteaux, M. Sieber, M. Lambert	3064
THE ANALYSIS OF RISKS AND PRACTICAL SOLUTIONS FOR THE SAFE USE OF SOCIAL MEDIA M. Drahošová, P. Balco	3072
INNOVATION AND COMPETITIVENESS GO VIA UNIVERSITIES S. Palmieri, D. Amandolese	3081
PROJECT MANAGEMENT AS A TOOL FOR INNOVATIVE EDUCATION: NEEDS, POSSIBILITIES, REALITY P. Balco, M. Drahošová	3090
THE PROGNOSTIC COMPONENT OF STUDENTS' MENTALITY DEVELOPMENT AS A KEY-FACTOR TO SUCCESSFUL FOREIGN LANGUAGE ACQUISITION E. Shishova, E. Varlamova	3096
EFFECTIVENESS OF TEACHING METHODS AIMED AT IMPROVING STUDENTS' TAX LITERACY  I. Mayburov, Y. Leontyeva	3102
UNIVERSALITY AS A CRITICAL FACTOR IN ON-LINE GLOBAL HEALTH CARE INSTRUCTION  J. Kramer, R. Booz	3109
CLASSROOM CO-PRODUCTION OF A LEADERSHIP MODEL R. Gurbutt, D. Gurbutt, A. Boland	3110
OVER-BUREAUCRATIZATION OF RUSSIA HIGHER EDUCATION AS AN ANOMALY P. Ambarova	3117
EMOTIONAL INTELLIGENCE AS A BASIC PERSONALITY COMPETENCE OF FUTURE TEACHERS N. Maklakova, A. Ilyasova, E. Zagladina	3125
STUDENTS OF «THE SILVER AGE»: EDUCATION AS BARRIER TO AGING P. Ambarova	3130
EMPATHY AS A BASIC COMPONENT OF EMOTIONAL INTELLIGENCE N. Maklakova, E. Khovanskaya, R. Gubaydullina	3136
NETWORK INTERACTION IN HIGHER EDUCATION OF RUSSIA: CASE OF COOPERATION BETWEEN TWO UNIVERSITIES G. Zborovsky, O. Vlasova	3142
MEASURING INTERNATIONALIZATION PERFORMANCE OF HIGHER EDUCATION INSTITUTIONS THROUGH COMPOSITE INDICATORS M.C. Bas, M. Boquera, J.M. Carot	3149
DEVELOPMENT OF A MULTIMEDIA PLATFORM FOR PARENTAL INVOLVEMENT IN LEARNING OF CHILDREN ATTENDING KINDERGARTEN – PRELIMINARY STUDIES D. Laranjeiro, M.J. Antunes, P. Santos	3157
USING KEYSTROKE DYNAMICS AND CONTEXT FEATURES TO ASSESS AUTHORSHIP IN ONLINE LEARNING ENVIRONMENTS A. Dorca Josa, E. Santamaría Pérez, J.A. Morán Moreno	3167
CUSTOM TOOLS FOR ANALYTIC GEOMETRY: THE CONIC SECTIONS M. Caligaris, M. Schivo, R. Romiti, M. Menchise	3177
PREPARING TEACHER-LIBRARIANS FOR TECHNOLOGY RICH LEARNING ENVIRONMENTS  B. Schultz-Jones	3183

APPLYING SERVICE DESIGN TO SET THE STAGE FOR THE NEXT TEACHING GENERATION 2030  P. Hauptfeld, C. Kummer	3190
LINGUISTIC DIFFERENCES BETWEEN CHILDREN WITH HEARING LOSS AND LISTENERS G. Arráez Vera, G. Lorenzo, A. Lledó Carreres	3199
CRITICAL SUCCESS FACTORS FOR EFFECTIVE STUDENT LEARNING IN THE BUSINESS STUDIES CONTEXT C. Kummer, P. Hauptfeld	3206
CHANGE OF THINKING AS THE MAIN PROBLEM OF BUSINESS EDUCATION Y. Babanova, S. Aliukov	3215
VIRTUAL. INTERNATIONAL. JOB ORIENTATED. – BEST PRACTICE ON HOW VIRTUAL COLLABORATION COURSES CAN SUCCEED C. Nenner, A. Bergert, A.N.A. Böhnisch	3223
PECULIARITIES OF SOCIAL INTELLIGENCE OF STUDENTS OF DIFFERENT NATIONALITIES A. Belousova, M. Vyshkvyrkina, O. Barsukova, E. Krishchenko, N. Mozgovaya, J. Mochalova, T. Pavlova, J. Tushnova	3234
WEBQUESTING AS AN EDUCATIONAL TECHNOLOGY OF LEARNING A FOREIGN LANGUAGE IN THE ACTIVITY-BASED APPROACH  I. Kurmaeva, I. Rakhimbirdieva, G. Khaimova	3242
USING ACTION RESEARCH TO PROMOTE PERFORMANCE OF WORKING WITH COMPUTER FOR FIRST HIGH SCHOOL STUDENTS  A. Ghafoori, K. Salehi	3247
INTEREST IN TRANSITION TO DIGITAL SKETCHING IN EARLY DESIGN EDUCATION PHASE E. Akyol	3257
THE TRANSFORMATIONAL TRIAD OF QUALITY ASSURANCE, QUALITY ASSESSMENT AND QUALITY ENHANCEMENT: HIGHER EDUCATION IN FOCUS O. Ismail, E. El Sherief	3265
TRANSITIONING FROM AN INSTITUTE OF TECHNOLOGY TO A TECHNOLOGICAL UNIVERSITY: AN IRISH CASE-STUDY M. Coombes, M. Delany	3275
KNOWLEDGE OF FUTURE TEACHERS OF THE FIRST YEARS ON SOLVING MATHEMATICAL PROBLEMS A.P. Aires, P. Vasco, P. Catarino	3283
PERSONAL ACHIEVEMENTS OF STUDENTS AS A GUIDELINE OF FUTURE TEACHERS TRAINING T. Rusakova, T. Breusova, D. Miroshnikova, Z. Batyrkhanova	3291
COMPETENCE EVALUATION IN INQUIRY-BASED LABORATORY SESSIONS: A CASE STUDY  A. Okariz, A. Sarasola, M. Huebra	3299
PROBLEM-BASED LEARNING IN HIGHER EDUCATION – IMPLICATIONS AND CHALLENGES MANIFESTED IN OCCUPATIONAL THERAPY CURRICULUM M. Avrech Bar, M. Pade, T. Jarus, S. Gat, Y. Kaufman-Cohen, L. Lipskaya-Velikovsky	3305
HOW TO IMPROVE READING COMPREHENSION AND PROBLEM SOLVING SKILLS IN STUDENTS. A PROFESSIONAL DEVELOPMENT-RESEARCH PROJECT WITH TEACHERS  G. Moretti, A. Giuliani, A. Morini	3306
SENDA MATRIX SOFTWARE AS A CONTROL AND PLANNING TOOL FOR PROJECT DELIVERY IN CIVIL ENGINEERING L.A. Gutierrez-Bucheli, J.P. Romero Cortes, M.C. Mayorga Caldarón, M.C. Londoño-Acevedo, J.L. Ponz-Tienda	3315
EXPLORING STUDENTS COMMITMENT TO COLLABORATIVE LEARNING: AN APPLICATION OF THE STIMULUS-ORGANISM-RESPONSE MODEL TO TED LESSONS E. Bigne-Alcañiz, C. Ruiz-Mafe, R. Curras-Perez, C. Perez-Cabañero	3323
GENDER ANALYSIS OF AGRICULTURAL STUDENTS: CASE OF UNIVERSITY OF APPLIED SCIENCE AND TECHNOLOGY (UAST), KERMAN, IRAN A. Bakhshi-Jahromi, R. Namdar, H. Alipour	3333

IMPLEMENTING A GLOBAL HYBRID COURSE MODEL FOR INTERNATIONAL COLLABORATION IN AN UPPER-LEVEL DESIGN COURSE IN A SCHOOL OF COMMUNICATION  J. Griffey	3339
IS ASSESSMENT LITERACY A PRIORITY? M. Genis	3343
CONCEPTUAL METAPHORS IN FOREIGN LANGUAGE TEACHING / LEARNING: CASE STUDY S. Juzeleniene, S. Petroniene	3344
CULTURAL AWARENESS IN LANGUAGE EDUCATION: CONCEPTUALIZATION OF REFUGEES IN NEWS MEDIA DISCOURSE  I. Senkute, S. Petroniene, S. Juzeleniene	3350
KEEPING A STUDENT ON THE PATH TO GRADUATION: THE ONLINE M.SC.IN SOFTWARE ENGINEERING & DATABASE (M.SC.SED) TECHNOLOGIES M. O'Dea, A. Brennan	3358
LANGUAGE TRANSFER AS A DEVICE FOR TEACHING ITALIAN TO RUSSIAN NATIVE SPEAKERS FAMILIAR WITH ENGLISH C. Pezzi, A. Seredina, D. Sabirova	3368
ASSESSMENT IS EVERYONE'S BUSINESS. TOWARDS THE RENEWAL OF TEACHING METHODOLOGIES IN HIGHER EDUCATION  J.V. Garcia Raffi, E. Saneleuterio, M.B. Gómez-Devís	3378
TEACHING SCIENCE IN AN INTER-DISCIPLINARY FRAMEWORK: INNOVATION AND PRACTICE  A. Kizuk	3385
TRAFFIC ACCIDENTS ENGINEERING STUDY - A REAL STORY FOR STUDENTS' HANDS-ON LEARNING EXPERIENCE M. Obadat, M. Brown, J. Johnson	3394
OPTIMAL METHODS OF ESSAY WRITING SKILLS DEVELOPMENT IN TEACHING STUDENTS MAJORING IN LINGUISTICS  1. Stavtseva, O. Silkina	3401
GAMIFICATION IN MOBILE APPLICATIONS TO LEARNING PORTUGUESE AS AN ADDITIONAL LANGUAGE M. Racilan, S. Avelar, R. Bambirra, V. Valente	3407
EFFECT OF ACADEMIC BACKGROUND ON ACADEMIC PERFORMANCE OF STUDENTS IN MASTER'S DEGREE IN AGRONOMIC ENGINEERING M.J. Argente, M.L. García	3418
EXPLORING EQUALITY IN ACADEMIA, BUSINESS, TECHNOLOGY AND HEALTH CARE FROM WOMEN'S PERSPECTIVE C. Kouta, A. Parmaxi, I. Smoleski	3422
SUPPORTING THE STUDENT AT RISK OF DYSLEXIA IN SCHOOL ACCORDING TO THE DIALOGUE MODEL. POLISH SCHOOL EXPERIENCES  D. Al-Khamisy	3432
THE IMPORTANCE OF DRAWING IN THE ARCHITECTURE PROJECT AND ITS TEACHING M.I. Alba Dorado	3439
ROBOTICS IN HOMECARE – THE DEVELOPMENT PROCESS THROUGH A CASE STUDY P. Lehto, T. Rantanen	3444
REFLECTIONS ABOUT THE CREATIVE PROCESS OF THE ARCHITECTURAL PROJECT AND ITS TEACHING M.I. Alba Dorado	3453
AULATOUCH - TECHNOLOGICAL PLATFORM OF EDUCATIONAL USE FOR THE DEVELOPMENT OF CLASSES MEDIATED BY DIGITAL TABLETS O. Martinez, H. Combita, R. Zamora	3458
HOW THE PROGRESSIVE APPLICATION OF TEACHING METHODOLOGIES (IN A UNIVERSITY ENVIRONMENT) CAN INFLUENCE ON THE BEHAVIOR OF ACADEMIC RESULTS FROM DIFFERENT EXAM CALLS R. Espejo Mohedano, A. Gallego Segador, M.B. García Moreno García	3468
REPRESENTATIONS OF UNIVERSITY STUDENTS ABOUT PSYCHOLOGICAL SAFETY OF EDUCATIONAL ENVIRONMENT G. Kozhukhar	3473

CURRENT TRENDS AND TRAJECTORY OF RESEARCH ON TEACHERS D. Hanesova, P. Hanes	3479
REVISITING TITLE IX AND ITS IMPACT ON THE EDUCATION OF GIRLS AND WOMEN L. Jones	3489
ENHANCING THE STUDENTS' COMPETENCES USING THE ACTION RESEARCH METHOD: ARCHITECTURE EDUCATION TOWARDS AGEING SOCIETY A. Szewczenko	3495
REVEALING AND ENHANCING THE DEVELOPMENT OF CHILDREN'S MORAL VALUES: EXPERIENCE AND RESEARCH D. Hanesova, D. Masarikova	3502
INNOVATIONS, NEW RULES AND TEACHING REQUIREMENTS J. Budik, O. Schlossberger, V. Ezr	3512
LEARNING TO TEACH ONLINE THROUGH MASSIVE OPEN ONLINE COURSE (MOOC) DESIGN AND FACILITATION  A. Datt	3519
TEACHING LATIN-AMERICAN SPANISH IN RUSSIA: COMMUNICATION DIFFICULTIES APPROACH N. Micheeva, E. Popova, Z. Ignashina	3526
AN INITIAL APPROACH USING AUDIENCE RESPONSE SYSTEMS AS A STRATEGY FOR IMPROVING THE LEARNING PROCESS M.A. López Peral, E. García González, M.D. Andújar-Montoya	3535
WORKSHOPS IN ARCHITECTURAL TECHNOLOGY: A NEW COLLABORATIVE APPROACH M.D. Andújar-Montoya, E. García González, M.A. López Peral	3544
DIGITAL MEDIA AND USE OF NEW TECHNOLOGY IN NEWSGATHERING Y. Wilson, G. Baleria, G. Provenzano, W. Johnson	3553
THE IMPORTANCE OF FINE ARTS IN THE VIDEOGAME INDUSTRY. NEW ANALYSIS MECHANICS AND METHODOLOGIES TO STUDY VIDEOGAMES FOR ARTISTIC AND EDUCATIONAL PURPOSES: WORK IN PROGRESS  A. Domenech Alcaide	3554
STUDENT SUPPORT IN EDUCATION: AN EXPERIENCE WITH TUTORING PROGRAM IN HIGHER EDUCATION P. Catarino, A.P. Aires	3564
SIMULATIONS IN ASSESSMENT AND THE UNCANNY VALLEY: TOO TRUE TO BE GOOD?  A Karakalidia D. Saully M. O'Lagry	3572
A. Karakolidis, D. Scully, M. O'Leary  DRAWING BY COMPUTER BIM, ARCHITECTS AND ARCHITECTURE FIRMS TEND TO  RELY ON 3D PRINTING  M. Valiente Lopez, M.C. Sanz Contreras, A. Verdú Vázquez, J.R. Osanz Díaz	3582
ERASMUS STUDENTS EXPECTATIONS: A QUALITATIVE STUDY IN PORTUGUESE CONTEXT S. Silva, C. Silva, D. Martins	3591
PILOT EXPERIENCE FOR THE APPLICATION OF THE FLIPPED CLASSROOM IN SUBJECTS OF THE FIELD OF THERMAL ENGINEERING B. Peña, I. Zabalza, S. Usón, E.M. Llera, A. Martínez, L.M. Romeo	3601
ADAPTING A FRESHMAN MANUFACTURING COURSE TO DIFFERENT LEARNING STYLES A. Lalley, S. Huang, R. Koontz, E. Holmgren, L. Carlson, M. Langerman	3611
THE LIFESTYLES AS EVIDENCE OF THE DIMENSIONS OF INTEGRAL FORMATION: AN EXPERIENCE IN HIGH SCHOOL STUDENTS OF SAN BARTOLOMÉ LA MERCED SCHOOL, BOGOTÁ - COLOMBIA D. Falla, M. De Souza Martins, S. Posada-Bernal	3622
STUDENT VIEWS ON TEACHING INNOVATIONS: A PRELIMINARY STUDY B. Vidal, P. Sanchis, J. García-Rupérez, L. Fenollosa, F.J. Ribal, M. Bes-Piá, E. Blasco, P. Noguera, L.A. Tortajada, M.J. Muñoz-Portero	3630
TOWARDS A MULTIDIMENSIONAL MODEL FOR PREDICTING A LEARNER'S PERFORMANCE IN AN ONLINE LEARNING SYSTEM Y. Safsouf, K. Mansouri, F. Poirier	3638
THE FIRST DAY IN THE UNIVERSITY  M. Valiente Lonez, M.C. Sanz Contreras, I.R. Osanz Díaz	3645

ACTIVITY, LEARNING OR DATA FETISHISM: ON LEARNER ANALYTICS, HIGHER EDUCATION AND REGIMES OF THOUGHT J.P. Egan	3652
BLENDED LEARNING FOR BLENDED TEACHING: A COLLABORATIVE APPROACH TO PROFESSIONAL DEVELOPMENT IN HONG KONG L. Zhou, D. Harbutt, C.A. Armatas	3656
DAILY TWEET STRUCTURE AND DISCOURSE: MIXED-METHOD ANALYSIS OF TWITTER WRITING ASSIGNMENTS IN THE EFL CLASSROOM T. Bonnah, M. Donnellan	3667
USING IXL IN THE INTRODUCTORY MATH COLLEGE COURSES TO IMPROVE ALGEBRA AND GEOMETRY SKILLS L. Cortés, F. Vallejo, F. Delgado-Cepeda	3676
ASSESSMENT OF TRANSVERSE AND SPECIFIC COMPETENCES IN CIVIL ENGINEERING STUDIES: 'CRITICAL THINKING' T. García-Segura, V. Yepes, F. Molina-Moreno, J.V. Martí	3683
WEB-BASED LEARNING RESOURCES AND STUDENTS' SCIENTIFIC APTITUDE: LESSONS FROM THE IMPLEMENTATION OF PROFESSIONAL LEARNING COMMUNITY H. Columna M. Paristicanati, N. I. Paralini	3693
U. Cahyana, M. Paristiowati, N.I. Pandini	
TEACHING FACULTY: ISSUES AND CONSIDERATIONS FOR FACULTY DEVELOPMENT PROGRAMS IN HIGHER EDUCATION C. Ing, P. Gabor	3701
DESIGNING AND IMPLEMENTING A GAMIFIED SYSTEM BASED ON SDT IN THE MOODLE LEARNING PLATFORM S. Dimitriadou	3707
ACADEMIC CHARACTERISTICS OF UNIVERSITIES IN THE WORLD UNIVERSITY RANKINGS I. Madhoun, A.M. Hamouda	3715
IMPROVING THE QUALITY OF RESULTS OF NEO-INDUSTRIAL TECHNOLOGICAL DEVELOPMENT IN THE KNOWLEDGE MANAGEMENT A. Alabugin, S. Aliukov, R. Alabugina	3723
TECHNOLOGY OF LANGUAGE TRAINING COURSES DESIGN FOR UNIVERSITY RESEARCH AND TEACHING STAFF G. Benson, I. Slesarenko, P. Shamritskaya	3729
SIMULATION TO PREPARE STUDENT NURSES FOR CLINICAL PRACTICE - AN AUSTRALIAN PERSPECTIVE P. Andrus, C. Norton, H. Dugmore	3734
TEACHING NETWORK SECURITY: A HOLISTIC APPROACH D. Al-Abri	3742
RANKING UNIVERSITIES BY INTERNATIONALIZATION-WHERE IS THE STUDENT'S OPINION?  A.M. Neagu, I.B. Pavaloiu, G. Dragoi	3749
EVALUATION AND IMPROVEMENT OF COMPETENCIES OF A RESEARCHER IN THE LEARNING PROCESSES  A. Alabugin, S. Aliukov, R. Alabugina	3757
STUDY ON COUNTY-LEVEL BACKBONE TEACHER PANEL SUPPORTING SCHOOL-BASED TRAINING WITH THE ICT: EXPERIENCES FROM UNICEF-CHINA COOPERATION PROJECT ENTITLED 'SMILE'  S.Q. Guo, H. Li, Y.J. Yang, H.Y. Gao, T. Li	3762
INTERCULTURAL DIALOGUE AND INTERCULTURAL SENSITIVITY APPLICATION OF ISS-15 SCALE  A.M. Neagu, M.C. Suciu, M.I. Dascalu	3770
DEVELOPING SOCIO-CULTURAL COMPETENCE VIA PROJECT-BASED LEARNING O. Belkina, S. Kolova	3778
QUANTIFYING INTERDISCIPLINARITY IN COMPLEX RESEARCH NETWORKS – DEVELOPMENT OF A QUESTIONNAIRE TO MEASURE CRITICAL INCIDENTS S.L. Müller, S. Stiehm, S. Jeschke, A. Richert	3785
SQ3R IS THE ANSWER! S. Dalton, A. Radwan	3792

HOW TO OUTLINE DIDACTIC DESIGNS THAT COMBINE VISUAL ANALYTICS, KNOWLEDGE VISUALIZATION, ASSIGNMENTS AND ASSESSMENTS FOR K 12 STUDENTS  L. Stenliden, J. Nissen	3793
EXPERIENCES ON A MOTIVATIONAL LEARNING APPROACH FOR ROBOTICS IN UNDERGRADUATE COURSES  J.R. Ruiz-Sarmiento, C. Galindo, J. Gonzalez-Jimenez	3803
THE COMPARATIVE ANALYSIS OF MODERN EDUCATIONAL DISTANCE FORMS IN DIFFERENT COUNTRIES  E. Laskina, O. Moisova, S. Maksimetz, R. Avedova	3812
LABORATORY PRACTICE FOR PROMOTING THE UNDERSTANDING OF THE BASICS OF MATERIAL SCIENCE AND ENGINEERING BY MANIPULATING DIFFERENT SET OF PRODUCTS  J. Muñoz Ugartemendia, A. Lejardi, E. Zuza	3819
PROBLEM-SOLVING IN GROUP USING MOBILE NOTES M. de-Miguel-Molina, B. de-Miguel-Molina, V. Santamarina-Campos, A. Carabal-Montagud	3825
THE DIDACTICS OF BIOLOGY IN PRIMARY SCHOOL: AN INNOVATIVE APPROACH TO SKELETAL SYSTEM TEACHING IN FIFTH CLASS BASED ON COMPARATIVE VERTEBRATE ANATOMY  A. Capparotto, S. Bramuzzo, E. Callegaro, E. Poloni, F. Corrà, G. Santovito	3831
ACADEMIC STYLE OF SPEECH AS AN ESSENTIAL COMPONENT OF THE FORMATION OF MODERN PROFESSIONALS I. Meshkova, O. Sheremetieva, L. Spynu	3840
EDUCATION POSSIBILITIES FOR THE JEWS IN RUSSIA IN THE 19TH – 20TH CENTURIES O. Ulyanova, E. Chernyak, E. Shvagrukova, S. Tacheva	3845
STUDENTS' PERCEIVED TECHNICAL WRITING COMPETENCY NEEDS: A PILOT STUDY OF MALAYSIAN POLYTECHNICS S.F. Isnin, R. Mustapha, W.M. Othman	3851
LEARNING FRENCH AS A LANGUAGE FOR SPECIFIC PURPOSES IN THE INTERNATIONAL RELATIONS AND INTERNATIONAL LAW DOMAIN I. Meshkova, O. Sheremetieva, L. Spynu	3861
SYSTEMIC TEACHER EDUCATION TO SUPPORT GIFTED STUDENTS IN SCIENCE AND TECHNOLOGY J. Trna, E. Trnova	3865
COOPERATION WITH PRACTICE AS A SUPPORT OF EDUCATION AND RESEARCH AT UNIVERSITIES  E. Panulinová, M. Kozlovska, R. Baskova	3872
APPROACHING TO TEACHERS' GRADING: WHAT IS THE CORRECT ORDER FOR IMPLEMENTING PEER- AND SELF-ASSESSMENT IN HIGHER EDUCATION CONTEXT?  M. Özdemir, Y. Özkan	3878
THE EFFECT OF PLAYING MATH GAME ON THE LEARNING ENVIRONMENT SCALES: A MIXED-METHOD STUDY H. Fathi	3891
RESEARCH IN THE AREA OF KEY COMPETENCIES OF GRADUATES IN EUROPE AND IN SLOVAKIA R. Baskova, E. Panulinova, Z. Strukova	3897
ASSESSMENT OF THE ARGUMENTATIVE ABILITY IN INNOVATION MANAGEMENT OF CIVIL ENGINEERING STUDIES F. Molina-Moreno, J.V. Martí, V. Yepes	3904
MASS CULTURE AS A CHALLENGE TO MODERN EDUCATION A. Shutaleva, E. Ivanova, E. Mel'nikova, O. Tomyuk, O. Kuznetsova	3914
CRITICAL THINKING IN KAZAKHSTAN: UNDERSTANDINGS AND PERCEPTIONS OF UNIVERSITY LANGUAGE INSTRUCTORS A. Myrzabayeva	3923
A MOBILE-BASED REHABILITATION VR AND AR SERIOUS GAME FOR COCHLEAR IMPLANTED CHILDREN P. Hatzigiannakoglou, A. Okalidou	3933
COPSYCHOLOGICAL CHARACTERISTICS OF PERFECTIONISM IN UNIVERSITY TEACHING STAFF E. Symanyuk, A. Pecherkina	3934

INTRODUCING MOBILE APPS IN PHYSICS LABS: DETERMINING MOMENTS OF INERTIA WITH A CELL PHONE	3942
L. Martínez-León, M. Fernández-Alonso, G. Mínguez-Vega, O. Mendoza-Yero, E. Tajahuerce, J. Lancis KEEPING TRACK OF LEARNERS' ACTIVITY DURING INQUIRY-BASED LEARNING: THE ROLE OF THE TEACHER	3948
H. Montrieux, E. Vanderhoven, S. Van Hove, A. Raes, T. Schellens	
ACCESSIBILITY AND INTEROPERABILITY OF PEDAGOGICAL RESOURCES IN THE CONTEXT OF INTERNET OF THINGS A. Bouchereau, I. Roxin	3959
TEACHING THE BASICS OF DEEP LEARNING IN COMPUTER SCIENCE AND ENGINEERING: A HANDS-ON WEB-BASED APPROACH C. Reaño	3967
DESIGN AND MATERIALS WORKSHOP - A METHODOLOGY TO CREATE CERAMIC PRODUCTS BY EXPERIMENTS WITH COLOURS AND TEXTURES  C. Aun Bertoldi, B. Del Curto, D. Dantas	3973
EXTRACURRICULAR STUDENTS' ACTIVITY AS A DEVICE TO WORK OUT AN INDIVIDUAL EDUCATIONAL TRAJECTORY V. Kolmakova, L. Ovinova	3984
IMPLEMENTING MINDFULNESS TECHNIQUES IN A PRE-KINDERGARTEN SCHOOL  J. Romero Rocho	3992
INFLUENCE OF COACHING TECHNIQUES IN EARLY LEARNING SCHOOLS J. Romero Rocho	3996
PERSONALITY TRAITS AND ACADEMIC PERFORMANCE IN COMPUTER SCIENCE COURSES S. Khan, S. Sarwar	4002
MINDFULNESS AS A TOOL TO REDUCE STRESS AND IMPROVE ACADEMIC PERFORMANCE AT THE UNIVERSITY OF GRANADA M.C. Nuñez Carretero, J.M. Luque Martín, M.E. García Rubiño, C. Lozano López, S. Ferron Petitjean, S. Rodríguez Ruiz, J.M. Martín García	4012
FLIPPING THE LAB SESSION: STUDENTS BUILDING THEIR OWN MAGNETIC DEVICES  P. Domínguez-Romo, G. Mínguez-Vega, M. Fernández Alonso, L. Martínez-León, N.S. Ferriols, O.	4017
Mendoza-Yero, D. Campos Abad, E. Tajahuerce, J. Lancis  DISCOVERING LEARNING POTENTIAL IN CHILDREN WITH MODERATE INTELLECTUAL DISABILITIES WITH A MENTAL AGE OF 2 TO 3 YEARS – THE CONCEPT AND ITS PRACTICAL IMPLICATION E.M. Kulesza	4022
WORKPLACE CONTEXT AS A MODERATOR OF TRAINING TRANSFER M. Vignoli, M. Trenta, D. Guglielmi	4030
THE HEART OF THE MATTER  D. Rosenberg	4039
MOBILE MESSAGING APPLICATIONS AS AN EDUCATIONAL TOOL R. Gupta, G. Laigo, R. Gupta	4045
AN ATTEMPT TOWARDS ENHANCING AND ENCOURAGING LEARNING IN MATHEMATICS R. Gupta, R. Gupta	4050
ENERGY EFFICIENCY FOR FIRST AND SECOND GRADERS I. Halbi, A. Ochayon, I. Banner, B. Shalom-Tuchin, Y. Einav, H. Friman	4055
THE PERCEPTION OF SELF-EFFICACY OF PROSPECTIVE MATH TEACHERS AT ELEMENTARY SCHOOLS R. Dofková, J. Kvintová	4063
PSYCHO-PEDAGOGICAL SPECIFICS OF FOREIGN LANGUAGE INSTRUCTION OF THE RUSSIAN LANGUAGE TO INTERNATIONAL STUDENTS N. Khristianova, I. Katsitadze, A. Dzyubenko, N. Mozgovaya, A. Podkovalnikova	4069
CHAT VS. VIDEOCONFERENCE IN INTERCULTURAL TELECOLLABORATION T.J. Tro	4073
ADAPTATION OF LEARNING AND TEACHING METHODS FOR THE DELIVERY OF AN UNDERGRADUATE PROGRAM IN MYANMAR K. Leitch, A. MacIver, I. Smith	4083

PROBLEM-BASED LEARNING TECHNIQUES FOR LIFELONG LEARNING IN APPLIED FIELDS (LLAF - TEMPUS FUNDED PROJECT)  D. Alt, N. Raichel	4089
DO YOUNG PEOPLE WANT THE INTERNET OF THINGS? A COMPARATIVE STUDY OF COMPUTER SCIENCE, MANAGEMENT AND PSYCHOLOGY STUDENTS Ł. Wiechetek, J. Banaś	4090
THE IMPACT OF THE 101S STORYBOOKS PROGRAM ON EXECUTIVE FUNCTION SKILLS IN FIRST GRADE STUDENTS: THE CASE STUDY IN THAILAND I. Charoenphol, N. Ruksi, N. Chutabhakdikul, P. Thanasetkorn	4101
EXPLORING MICROBIOLOGY AND BIOTECHNOLOGIES: A LABORATORY APPROACH TO THE STUDY OF YEASTS AND BACTERIA IN PRIMARY SCHOOL A. Lago, S. Masiero, S. Bramuzzo, E. Callegaro, E. Poloni, F. Corrà, G. Santovito	4110
A NEW TEACHING METHOD TO LEARN THE SMART GRID PLATFORM 1. Halbi, N. Matsliah, Y. Beck, H. Friman	4121
ERASMUS IN ISTANBUL: EXPECTATIONS AND EXPERIENCES A. Sungur Ergenoglu	4130
A PROPOSAL FOR DEBATE-BASED METHODOLOGIES TO ASSESS AND TO IMPROVE WEAKNESSES IN ORAL-COMMUNICATION IN THE PROFESSIONAL WORLD OF NEW ENGINEERING GRADUATES  H. Garcia, R. Sancibrian, M. Zubizarreta, J. Cuadrado, E. Roji, J.R. Llata	4137
A NEW EXPERIENTIAL MODEL TO INNOVATE THE STEM LEARNING PROCESSES J. Playfoot, C. De Nicola, F. Di Salvadore	4145
EXPERIENCE OF THE JOINT MASTER PROGRAM WITH TOMSK POLYTECHNIC UNIVERSITY AND CZECH TECHNICAL UNIVERSITY  B. Lukutin, M. Surkov	4154
LEARNING (MUSIC) THROUGH PRODUCING A. Ojala	4158
SOME TOPICAL ASPECTS FOR IMPROVEMENT OF ART EDUCATION  1. Klasone, I. Klasone	4164
LEARNING PROCESS OF STUDENTS WITH HETEROGENEOUS PROFILE WITHIN THE FIELD OF GRAPHIC DESIGN  N. Tarazona-Belenguer, J. González-Del-Río, O. Ampuero-Canellas, B. Jordá-Albiñana	4173
THE 101S STORYBOOKS INTERVENTION PROGRAM TO PROMOTE EXECUTIVE FUNCTION DEVELOPMENT IN PRESCHOOL: THE CASE STUDY IN THAILAND P. Themkumkwun, N. Chutabhakdikul, N. Ruksi, P. Thanasetkorn	4179
RESEARCH BASED LEARNING IN HIGHER EDUCATION: A REVIEW OF LITERATURE M. Camacho, M. Valcke, K. Chiluiza	4188
NEW TOOLS FOR THE VIRTUAL LAB OF NUMERICAL ANALYSIS M. Caligaris, G. Rodriguez, L. Laugero	4198
INSTRUCTIONAL DESIGNER AS A PROJECT HUB: EXPERIENCE BUILDING AN EDUCATIONAL APP C.J. Davison, J. Balanyk	4203
SOCIAL ENGINEERING AND CYBER SECURITY F. Breda, H. Barbosa, T. Morais	4204
APPROACH OF GRAPHIC DESIGN TO SOCIETY: COURSES FOR NON-PROFESSIONAL GRAPHIC DESIGNERS  N. Tarazona-Belenguer, J. González-Del-Río, O. Ampuero-Canellas, B. Jordá-Albiñana	4212
PEDAGOGICAL DIGITAL COMPETENCE FOR POLICE TEACHERS IN RELATION TO DISTANCE-BASED POLICE EDUCATION  A.D. Olofsson, M. Håkansson Lindqvist, O.J. Lindberg, J. From, U. Stödberg, T. Holmgren	4219
PERCEPTIONS OF LEARNERS AND TEACHERS REGARDING THE PEDAGOGICAL BENEFITS OF AUDIO MEDIA FOR DISTANCE EDUCATION IN RESOURCE POOR CONTEXTS  M. Kaahwa, Z. Chang, M. Muhumuza	4228
MULTIMEDIA POTENTIAL OF INTERACTIVE TEXTBOOKS OF NATURAL HISTORY L. Benediktova	4239
FACTORS AFFECTING STUDENTS' SATISFACTION AND LEARNING OUTCOMES  J. Martinavicius, A. Miskinis, G. Druteikiene	4247
OPENING THE LABORATORY TEACHING EXPERIMENTS TO UNDERGRADUATE STUDENTS IN SCIENCE C.J. Zapata-Rodriguez, P. García-Martínez, M. Naserpour, I. Fernández, C. Ferreira	4255

ADVANCED TRAINING PROGRAMMES IN ENGLISH AS A MEDIUM OF INSTRUCTION TO RAISE CONTENT TEACHERS' MOTIVATION TO DELIVER EDUCATIONAL COURSES IN ENGLISH E. Frantcuzskaia, V. Deryusheva, V.V. Golubeva	4259
MOTIVES FOR CHOOSING A DOUBLE DEGREE PROGRAMME. A CASE STUDY IN ENGINEERING AND EDUCATION  M. Cronhjort	4267
CONCEPT OF RESPONSIBLE EDUCATION - NEW TREND IN THE HIGHER EDUCATION AREA Y. Pokholkov, K. Tolkacheva, M. Chervach	4272
TEACHING OPTICS BY MEANS OF NUMERICAL SOLVERS OF MAXWELL'S EQUATIONS M. Naserpour, C.J. Zapata-Rodriguez, M. Hashemi	4277
ENHANCING PROFESSIONAL COMPETENCIES OF UNIVERSITY MANAGERS M. Abdrashitova, D. Mymrina, E. Frantcuzskaia	4284
IMPROVING LINGUISTIC PROGRESS IN STUDY ABROAD BY LINKING INTERCULTURAL COMPETENCE AND CULTURAL IMMERSION: USING THE CEFRL AS A LEARNING TOOL IN CASA-SEVILLA  J.A. Muñoz Andrade	4292
DOUBLE DEGREES: HITS AND PITS FOR THE CAREERS M. Cronhjort, L. Naeslund, S. Nyberg	4302
APPLICATION OF DISTANCE LEARNING IN INDUSTRIAL MANUFACTURING PRACTICE A. Hašková, P. Hodál, P. Kuna	4310
TURBOCHARGING THE JOURNEY INTO THE LIMINAL SPACE AND BEYOND M. Dempsey, A. Brennan	4315
WORK-INTEGRATED LEARNING AS A FUNDAMENTAL TOOL TO BE USED FOR UNIVERSITY-INDUSTRY COOPERATION: A CASE OF A SELECTED HIGHER EDUCATION INSTITUTION IN SOUTH AFRICA K. Ngwane	4325
AUGMENTED AND VIRTUAL REALITY FOR SMART CITIES USERS' AWARENESS D. De Luca, M. Del Giudice, M. Dellosta, A. Fonsati, A. Osello, F.M. Ugliotti	4333
GAMES NETWORK AND DIGITAL PRIVACY F. Teixeira, H. Barbosa, T. Morais	4343
ADAPTATION TO UNIVERSITY LIFE: METHODOLOGICAL, MOTIVATIONAL AND EMOTIONAL TUTORING. EXPERIENCES OF A TUTORIAL ACTION PLAN H. Barcenilla Garcia, M.J. Pacho Fernández	4349
INTERNATIONAL PROJECT "LAMBA" D. Markus, T. Zirina	4355
INFORMATION AND COMMUNICATION TECHNOLOGY AS AGENTS OF CHANGE FOR TEACHING AND TEACHER DEVELOPMENT: A CASE STUDY OF A SECONDARY SCHOOL, KWAZULU-NATAL K. Ngwane, B. Mbatha	4361
THE INFLUENCE OF TEACHING, COGNITIVE AND SOCIAL PRESENCE ON STUDENTS' PERFORMANCE IN BLENDED LEARNING COURSES IN TANZANIAN UNIVERSITIES  M. Almasi, C. Zhu	4367
ACADEMIC TRAINING OF PRONUNCIATION AND INTONATION SKILLS OF FUTURE LINGUISTS-INTERPRETERS S. Bodnar, G. Yatsenko	4377
AN ANALYSIS OF ADULT EDUCATION IN BELGIUM AND CANADA G. Yatsenko, S. Bodnar	4383
USING DIFFERENTIAL ENTROPY (SHANNON INFORMATION) AND IQ CURVE TO DEFINE HOW AN EXAM SUCCESS: APPLICATION TO VIETNAM NATIONAL EXAMS 2012-2016  T.A. Chu, T.T.H. Pham, T.L. Nguyen, C.P. Tran, A.V. Nguyen	4388
SHARING IDEAS AND PRACTICE IN HIGHER EDUCATION	4396
C. Stanier, G. Mansfield, J. Lawton, E. Wilson, M. Hasan, F. Knight, J. Francis, R. Cornes, W.A. Eardley, D. Hodgkiss	

DILUTING SCIENCE: TO INNOVATE IN ORDER TO SPREAD SCIENCE C. Alonso-Moreno, M. Arroyo-Jiménez, A.J. Barbero, E. Cano, J.A. Carbajal, L. Castro-Vázquez, J. de las Heras Ibañez, M. Galindo, J.C. García, J. González-Fuentes, J. Laborda, M.V. Lozano, D. Moya Navarro, M. Santander-Ortega, N. Villaseca-González	4404
ON APPLICATION OF PHASE SPACE DISTRIBUTION TO STUDY THE RELATIONSHIP BETWEEN IQ AND EQ CURVES T.A. Chu, T.L. Nguyen, C.P. Tran, A.V. Nguyen	4411
UNDERSTANDING OF THE CONCEPT OF UNIVERSAL DESIGN AND PRACTICES OF CREATIVE PRINCIPLES FOR FUTURE NEEDS E. Akyol	4417
RESEARCH COMMUNICATION SKILLS FOR ACADEMIC STAFF: LESSONS OF EXPERIENCE E. Zhezhera	4421
SILENT PEDAGOGIES IN POLYSYNCHRONOUS LEARNING ENVIRONMENTS W. Muirhead, L. Robertson	4430
NEW CHALLENGES FOR A WIDER PERSPECTIVE ON ENGLISH AS A MEDIUM OF INSTRUCTION IN THE FIELD OF CIVIL ENGINEERING S. Paduretu, A.G. Popa	4440
HOLISTIC SYSTEMATISATION AND INDIVIDUALISATION OF ON-THE-JOB TRAINING IN SMALL AND MEDIUM-SIZED ENTERPRISES WITH THE HELP OF THE DEMONSTRATOR ESSYST EDUCATION SUPPORT SYSTEM N. Ruettgens, K. Mayrberger	4446
DEVELOPMENT OF EDUCATIONAL VIDEOS AS REUSABLE LEARNING OBJECTS (RLO) FOR THEIR INTEGRATION INTO AN OPEN COURSEWARE (OCW) ON FUNDAMENTALS OF THERMODYNAMICS AND THERMAL ENGINEERING I. Zabalza, B. Peña, E.M. Llera, S. Usón, A. Martínez, L.M. Romeo	4453
INTERNET COMMENTS AS MEANS OF DEVELOPING SOCIAL AND CULTURAL COMPETENCE OF STUDENTS IN LINGUISTICS MAJOR A. Ageeva, L. Abdullina, M. Lukina	4462
THE EXPRESSION OF EXTREMIST ATTITUDES AMONG STUDENTS EVALUATING THE POLITICAL EVENTS R. Muslumov, R. Mukhametov, E. Shushmarchenko	4470
ATTITUDE OF STUDENTS AND TEACHERS TOWARDS VOCATIONAL EDUCATION IN SECONDARY SCHOOLS IN OTA, OGUN STATE, NIGERIA B. Adewale, O. Adisa, C. Ndububa, O. Olawoyin, A. Adedokun	4480
THE INFLUENCE OF COMPUTER AIDED DESIGN (CAD) ON STUDENTS' CREATIVITY IN ARCHITECTURAL SCHOOLS (COVENANT UNIVERSITY AS A CASE STUDY)  E.N. Ekhaese, P.F. Anweting, G.O. Abah, C.A. Ademiju, O.A. Adereti	4488
COMMUNICATION OF RESEARCH FINDINGS AND THE LEARNING PREFERENCES OF END USERS E. Ibem, O. Oni, O. Adisa, C. Samuel, E. Oyemomi	4496
STEPS: AN INNOVATIVE THERAPEUTIC-EDUCATIONAL APPROACH SUPPORTING SIBLINGS OF CHILDREN WITH AUTISM SPECTRUM DISORDERS A. Zachova, D. Havelka	4504
DEVELOPING INFORMATION COMPETENCE: A CASE STUDY OF LINGUISTICS MAJOR	4505
F. Yarullina, A. Ageeva, R. Galimova INFORMATION OVERLOAD OR LACK OF INTEREST: DOES THE TUTORIAL ACTION PLAN (TAP) REALLY STAND OUT AMONG THE MANY UNIVERSITY SERVICES ON OFFER? M.D. De-Juan-Vigaray, C. García Moreno	4513
THE FUTURE OF THE CLASSROOM IS E-LEARNING? THE BRAZILIAN CASE D. Tria Cusciano, M. Laruccia	4523
TOWARDS THE DEVELOPMENT OF MIDDLEWARE ARCHITECTURE, INTEROPERABILITY OF UNIVERSITY'S INFORMATION SYSTEMS INTEGRATING ONLINE LEARNING PLATFORMS A. Lalaoui Hassani, K. Mansouri	4528
INTEGRATING A TECHNICAL COMMUNICATION COURSE INTO THE CURRICULUM OF STUDENTS MAJORING IN TRANSLATION  F. Zakharova, A. Boydanova, I. Zabrodina, M. Komandakova, I. Lilenko, S.S. Tran Dinh	4538

STUDENTS' PERCEPTION OF DESIGN STUDIO JURY IN SCHOOLS OF ARCHITECTURE IN NIGERIA O. Alagbe, P. Aderonmu, T. Alagbe, O. Sonola, O. Olagunju, M. Erebor	4542
EVIDENCE-BASED POLICY MAKING AND SCIENCE POPULARISATION P. Dobrescu, L. Radu	4547
THE ROLE OF ACADEMIC TUTOR IN PROFESSIONAL ADAPTATION OF UNIVERSITY STUDENTS  E. Solovyova, N. Pomortseva, T. Morozova	4555
EVALUATION OF TEACHING PERFORMANCE IN HIGHER EDUCATION: STUDENTS PERSPECTIVES AND TEACHING MANAGEMENT INDICATORS N. Jesus Silva, C. Costa-Lobo, C. Santos Pereira, N. Seabra Durão	4565
DEVELOPING THE GERMAN LANGUAGE PROFESSIONAL COMMUNICATIVE COMPETENCE OF THE TECHNICAL UNIVERSITY RESEARCHERS I. Zabrodina, A. Bogdanova, E. Zakharova, E. Burmakova, K. Kulakovskaya, S.S. Tran Dinh	4572
HOLISTIC APPROACH OF PUBLIC HEALTH COULD BE LEARNED THROUGH AN INFOGRAPHIC MODULE G. Elhady, M. AbdelRazik, H. Zaghloul	4576
LISTENING AS A COGNITIVE AGE-RELATED RESOURCE FOR FOREIGN LANGUAGE LEARNING T. Passing and M. Childrennik	4586
T. Rasskazova, N. Glukhanyuk  ETHICAL, ENVIRONMENTAL AND PROFESSIONAL RESPONSIBILITY IN HIGHER  EDUCATION. THE CASE OF IT GOVERNANCE  L. Cuenca, A. Boza	4593
TOLERANCE VERSUS CROSS – CULTURAL INCOMPATIBILITY: MYTH OR REALITY? V. Beliaeva, I. Mayburov	4594
THE EFFECTS OF PROMOTING LANGUAGE LEARNING IN THE RUSSIAN ACADEMIC CONTEXT: CASE STUDY URAL FEDERAL UNIVERSITY A. Muzafarova, J. Daminova, T. Rasskazova, A. Okhotnikova	4600
ASSESSING RUSSIAN UNIVERSITY STUDENTS' FOREIGN LANGUAGE COMPETENCE: CHALLENGES AND PROSPECTS T. Rasskazova, A. Muzafarova, J. Daminova, A. Okhotnikova	4610
THE ROLE OF HOMEWORK IN ACTIVE LEARNING PROCESS. PRELIMINARY RESULTS L. Daniela, M. Lytras, T. Pigozne	4620
ICT AS SUPPORT FOR LEARNING: DEMANDING NEW COMPETENCE AMONG PHYSICIANS H. Vallo Hult, A. Hansson, L. Svensson, M. Gellerstedt	4629
THE IDEA OF CITIZENSHIP EDUCATION IN RUSSIAN UNIVERSITIES: MODERN APPROACH & CONTENT  A. Fakhrutdinova, M. Mefodeva, M. Makhmutova	4637
"FLIPPED CLASSROOM WITH A MOOC" AN E-LEARNING MODEL INTO A MATHEMATICS COURSE A.P. Lopes, F. Soares	4643
PREPARING TEACHER LIBRARIANS TO TEACH VISUAL LITERACY SKILLS THROUGH TECHNOLOGY-BASED GRAPHIC NOVEL RESOURCES K. Gavigan	4650
SMALL SCALE MOTORCYCLE AS EDUCATIONAL AND RESEARCH ENGINEERING TOOL M. Assad, M. Speranza Neto	4656
PROMOTING AUDIOVISUAL INSIGHTS IN MATH SUBJECTS F. Soares, A.P. Lopes	4666
INDUSTRY OF THE FUTURE: IMPLEMENTATION OF COLLABORATIVE CAE TOOLS IN INDUSTRIAL ENGINEERING DEGREES R. Sancibrian, J.R. Llata, E. Gonzalez Sarabia, C. Torre-Ferrero, J.M. Blanco, J.T. San-Jose	4676
WEB SCIENCE: A CURRICULUM OVERVIEW E. Coskun, S. White	4686
FRAMING THE DEVELOPMENTAL PERSPECTIVES AND INSTITUTIONAL APPROACHES OF POST-2015 EDUCATION AGENDA  N. Ibrahim	4695

THE ADDED VALUE OF CERTIFICATIONS: A CASE UTILIZING HOOTSUITE CERTIFICATION FOR MANAGING SOCIAL MEDIA  D. McCorkle, J. Reardon	4706
DEVELOPING TRAINING TO PREPARE HUMAN HEALTH SCIENCE STUDENTS TO FACE BIOLOGICAL INCIDENTS  A. Peña-Fernández, R. Zinsky, E. Choi, A.J. Broadbent	4707
PRESENTATION OF EDUCATIONAL VIDEOS USED AS MODERN TOOLS TO HELP PHARMACY STUDENTS TO UNDERSTAND CHEMICAL QUESTIONS OF ANALYTICS AND PHYSICAL CHEMISTRY  B. Lopez-Ruiz, C. Rueda, C. Sainz, M. Sanchez-Paniagua, P. Sevilla	4715
TEACHING OPTICS THROUGH SIMULATIONS M. Attard, C. Bonello	4723
PEDAGOGICAL REQUIREMENTS FOR WORK WITH GIFTED STUDENTS: TEACHERS TRAINING APPROACH A. Fakhrutdinova, G. Gali, I. Shakhnina	4733
DEVELOPMENT OF TUTORIAL VIDEOS TO GUIDE STUDENTS OF PHARMACY AND OPTICS AND OPTOMETRY TO ACHIEVE ACADEMIC ABILITIES  B. Lopez-Ruiz, E. Lopez-Cabarcos, M. Molina, C. Rueda, M. Sanchez-Paniagua, C. Sainz, P. Sevilla	4741
BULLYING, CYBERBULLYING AND SOCIAL SUPPORT: A STUDY IN A PORTUGUESE SCHOOL S. Arriaga, R. Garcia, I. Amaral, F. Daniel	4746
ASSESSING THE EFFECTIVENESS OF AN ONLINE SURVEY APPLIED IN PHARMACEUTICAL TECHNOLOGY AT THE FACULTY OF PHARMACY AT THE UNIVERSITY OF ALCALÁ  M.A. Peña Fernández, G. Torrado, A. Peña-Fernández	4756
WHEN SCIENCE BECOMES INTERACTIVE: A COLLABORATIVE PROJECT IN A TEACHING-LEARNING NETWORK  I. Amaral, M.I. Fidalgo, M.L. Mayo, J. Segura	4761
IMPACT OF ONLINE AND OFFLINE ACTIVISM ON SOCIAL SKILLS S. Arriaga, T. Nunes, I. Amaral, F. Daniel	4766
THE TABLET IN THE EDUCATION OF PUPILS WITH SEVERE DISABILITIES AND MULTIPLE HANDICAPS M. Friš, J. Kohout, L. Rohlíková, J. Slowík	4775
ROBOTICS IN PRIMARY SCHOOL CURRICULUM J. Bafko	4785
TEACHING SPEAKING AS THE PROCESS OF LEADING STUDENTS FROM PURE MEMORIZATION TO MEANINGFUL COMMUNICATION K. Makayev, M. Yakhin, G. Makayeva	4795
FURTHER PROFESSIONAL EDUCATION AS AN INSTRUMENT OF FINDING A DECENT WORK  I. Burak, T. Razumova	4800
EDUCATIONAL MEASURES FOR THE PREVENTION OF GENDER VIOLENCE AT SCHOOL C. Campos Aparicio	4806
DELIVERING AN INNOVATIVE MUSIC CURRICULUM AT A POLYTECHNIC UNIVERSITY  I. D'Avignon	4812
THE IMPACT OF AN INNOVATIVE BLENDED-LEARNING PROFESSIONAL DEVELOPMENT PROGRAM IN HIGHER EDUCATION ON MOTIVATION TO TRANSFER LEARNING  C. Jaramillo-Baquerizo, M. Valcke, R. Vanderlinde, M. Vansteenkiste	4813
THE MILLENNIAL GENERATION: A STUDY ON DIGITAL CONSUMPTION OF PORTUGUESE YOUTH I. Amaral, P. Lopes, C. Quintas, B. Reis	4820
ANALYSING PERFORMANCE IN MATHEMATICS: THE CASE OF IMMIGRANT STUDENTS	4829
V. Pitsia, A. Karakolidis, A. Emvalotis, CH. Sofianopoulou  INTEGRATING SUSTAINABILITY CONCEPT INTO ARCHITECTURAL EDUCATION	4836
F. Yazıcıoğlu, E. Sarpaşar  FROM ENGINEERS TO MATHEMATICS TEACHERS: REASONS FOR CAREER CHANGE  I. Rayeh, Y. Furman Shaharahani	4846

A STUDY ON TEACHER-STUDENT RELATIONSHIP IN PERSPECTIVE OF COMMUNICATIVE ACTION Y. Wang	4847
GETTING FIT FOR INCREASED LEARNER AUTONOMY: A PEDAGOGICAL PROPOSAL FOR THE 21ST CENTURY M. Dooly	4852
USING A LEADERSHIP AND LEARNING MATRIX FOR ALIGNING COURSE OUTCOMES, MEETING STATE PROGRAM APPROVAL, AND REGIONAL AND NATIONAL ACCREDITATION IN A UNIVERSITY EDUCATIONAL LEADERSHIP PROGRAM G. Koonce	4853
TEACHER PROFESSIONAL DEVELOPMENT: PROMOTER OF INNOVATIVE PEDAGOGICAL PRACTICES WITH THE USE OF TECHNOLOGIES IN BASIC EDUCATION  C. Moreira, L. Pombo	4854
A WEB TOOL FOR THE DESIGNING AND DEVELOPMENT OF DIGITAL INTERACTIVE EDUCATIONAL/TEACHING SCENARIOS AT THE SERVICE OF EDUCATION N. Grammenos, P. Tsanakas, E. Pavlatou	4863
TESTING CZECH SIGN LANGUAGE BY QUANTITATIVE LINGUISTIC METHODS TO INCREASE TEACHING EFFECTIVENESS J. Langer, J. Andres, M. Benešová, D. Faltýnek	4873
PAVING THE ROAD FOR FLIPPED TEACHING IN SPANISH UNIVERSITIES M.C. González-Cruz, R. Viñoles-Cebolla, P. Ballesteros-Pérez, J.L. Fuentes-Bargues	4883
TEACHER CREATIVITY INFLUENCE ON THE TRAINING IN INQUIRY-BASED SCIENCE EDUCATION E. Trnova, J. Trna	4890
THE IMPORTANCE OF POPULARIZATION OF SCIENCE BASED APPROACH IN HUMAN SCIENCE EDUCATION  D. Havelka, B. Krejci, A. Zachova, K. Bartosova	4900
LECTURE, NO THANKS. BEING ON THE TRACK OF ABSENTEEISM: IMPLICATIONS FOR IMPROVEMENT OF UNIVERSITY TEACHING R. Bochmann, A. Baumeister, H. Rindermann	4901
THE EFFECTIVENESS OF INTEGRATION OF EDUCATIONAL TECHNOLOGIES IN TEACHING FOREIGN LANGUAGES AT SECONDARY SCHOOLS K. Němejc	4908
APPLYING DECISION SUPPORT SYSTEMS IN UNIVERSITIES: STRUCTURING AND MODELLING SUMMER COURSES G. Pascal, J.E. Tornillo, J.M. Moguerza, A. Redchuk	4918
THE THEATER OF MOVEMENT IN PRIMARY SCHOOL EDUCATION K. Krasoń	4919
ON THE USE OF NUMERICAL MODELS FOR UNDERSTANDING MACROSCOPIC MAGNETIC PHENOMENA S. Castiñeira-Ibañez, D. Tarrazó-Serrano, J.M. Fuster, C. Rubio-Michavila	4929
WHAT DRIVES PERCEIVED VALUE OF COLLABORATIVE LEARNING? AN FSQCA APPROACH C. Ruiz-Mafe, K. Chatzipanagiotou, R. Curras-Perez	4935
USE OF NUMERICAL MODELS FOR NON-STATIONARY HEAT TRANSFER COMPRESSION BETWEEN TWO MEDIA  D. Tarrazó-Serrano, S. Castiñeira-Ibañez, J. Tarrazó-Morell, C. Rubio-Michavila	4944
COLLABORATIVE WORK AND OUTCOME ASSESSMENT: A GOOD COMBINATION M. Leiva-Brondo, J. Cebolla-Cornejo, R.M. Peiró, A.M. Pérez-de-Castro	4950
IBOOKS - A COOL TOOL FOR TEACHING TRANSPORTATION TO K-12 STUDENTS J. Everett	4956
CREATING STRONGER INSTRUCTIONAL SKILLS SETS: REVITALIZING AND NURTURING TEACHING ENVIRONMENTS WITH TECHNOLOGY B. Barrett	4957
CREATING A SAFER CLASSROOM - COLLEGE AND UNIVERSITY RESPONSES TO CAMPUS VIOLENCE B. Bagwell	4965

FDE ETHICS, ENGAGING STUDENTS IN A "LEARNING BY DOING" TEACHING INNOVATION PROJECT	4970
A. Alonso-Sánchez, B. García-Cárceles, J. García-Reig, S. Jafari, A. Martínez-Arauz, F.J. Mateu Bermejo, P. Maudos-Gumbau, I. Pastor-Ripoll, P. Sendra-Pons, K.Y. Trujillo-Iborra	
TEACHING FIRST-YEAR STUDENTS COLLABORATION SKILLS AND SHAPING ACADEMIC READINESS IN MULTI-CULTURAL SOCIETY O. Babenko, N. Abrosimova, K. Prosyukova, A. Fominykh	4979
THE CONTENT OF THE MOTHER TONGUE TEXTBOOKS – CRITICAL AND PROSPECTIVE VIEW  D. Iliev, D. Andonovska-Trajkovska, T. Atanasoska, F. Farizi	4986
SUCCESS AND SYSTEM IN COMPETENCY BASED EDUCATION M. Adamski	4994
METHODOLOGY OF TEACHING POETRY WRITING IN THE ELEMENTARY CLASSROOM  D. Andonovska-Trajkovska, D. Iliev, T. Atanasoska	4995
HIGHER EDUCATION-INDUSTRY INTERACTIONS AND EMPLOYMENT IN EUROPE: A CLAIM FOR SOCIAL RESPONSIBILITY R. Castro, C. Mio, J.P. Garcia-Sabater, C. Pinho	5004
MODELING AN INSTITUTIONAL APPROACH TO DEVELOPING TECHNOLOGY ENABLED LEARNING: CLOSING THE GAP BETWEEN RESEARCH AND PRACTICE L. Price, D. Casanova, S. Orwell	5009
DEVELOPING ONLINE RESOURCES FOR ADULT REFUGEES IN ITALY. FOSTER SKILLS THAT WILL ENHANCE EMPLOYABILITY PROSPECTS V. Damiani, G. Agrusti	5019
GENERATED BY A BASIC COMPOSITION COURSE: THE WRITER, THE WAITER, THE SAILOR AND THE DENTIST  K. Sanabria	5028
MODERN EDUCATION IN HUMANITIES AT TECHNICAL UNIVERSITY (THE EXAMPLE OF TOMSK POLYTECHNIC UNIVERSITY)  M. Makienko, A. Panamaryova	5034
EDUCATION IN MECHATRONICS: MODELLING, SIMULATION AND CONTROL OF A CARTESIAN PLOTTER  P. Righettini, R. Strada, B. Zappa, V. Lorenzi	5043
SUPPORTING SELF-REGULATED LEARNING VIA TECHNOLOGY TOOLS: A CASE STUDY IN AN ENGINEERING DEGREE PROGRAM IN ROMANIA M.I. Dascalu, C.N. Bodea, M. Nitu, G. Alecu, I. Marin, D.A. Mitrea, A.M. Neagu	5054
RIGHT TO INFORMATION IN WRITING PEDAGOGY: INDIVIDUAL VS. COMMUNAL- RELATIONAL AGENCY METAPHORS IN THE TELEOLOGY OF COMMUNICATION M. O'Mara Shimek	5062
START-SOPI PROJECT - FEASIBILITY STUDY ON IMPLEMENTING A PAN-EUROPEAN SOCIAL PLATFORM TO SUPPORT LIFELONG LEARNING AND EMPLOYABILITY M.I. Dascalu, C.N. Bodea, R.I. Mogos, I.C. Stanica, G. Velikic, M. Huemann	5070
FACILITATING LEARNING OF INFORMATION COMMUNICATIONS TECHNOLOGY (ICT) FOR SENIOR CITIZEN P.C.P. Lim	5079
TRAINING HEALTH AND SOCIAL SERVICE PROFESSIONALS IN AGING AND MENTAL HEALTH CONCERNS M. Gibney, N. Morrow	5085
TOWARDS A MODEL OF FACULTY DEVELOPMENT IN THE DIGITAL AGE. THE DIDE- L PROGRAM'S CASE M. Ranieri, F. Pezzati, J.E. Raffaghelli	5094
PREPARING TEACHER-LIBRARIANS TO INCREASE ENGAGEMENT OF STUDENTS WITH AUTISM IN TODAY'S TECHNOLOGY-ENHANCED LIBRARIES N. Everhart	5103
TEACHERS' PERCEPTIONS OF THEIR STUDENTS' HEALTH PROBLEMS AND LIFE- THREATENING RISKS J. Rodríguez-Almagro, A. Hernández-Martínez, M. García-Moreno, M.C. Ruiz Grao, M.L. Amo-Saus,	5109
A. Rubio Álvarez, M. Molina-Alarcón, F. García-Sevilla, M. Donate-Manzanares, M. Molina-Alarcón  A TOOL FOR TRAINING IN PATENT CLAIM DRAFTING	5116
S. Sheremetyeva	2110

A CLASSROOM SNS TO DEVELOP CREATIVE THINKING SKILLS IN PROGRAMMING LEARNING K. Tsutsui, H. Takada	5125
EVIDENCE OF THE INVOLVEMENT OF GESTURES IN CONCEPTUALIZATION PROCESSES IN CHILD SPEECH IN EARLY CHILDHOOD EDUCATION	5131
A.C. Pereira, E. Carvalho  NOTIFY AND TAKE ACTION: IMPLEMENTING AN EMERGENCY CRISIS MANAGER  MOBILE APP AT AN URBAN HBCU  D. Malin, I. Margalay	5138
D. Mclin, J. Murphy  PROPOSAL OF A PROBLEM-SOLVING PROCESS MODEL FOR LEARNING INTELLECTUAL PROPERTY LAW USING FIRST-ORDER PREDICATE LOGIC AND DEVELOPMENT OF A MODEL-BASED LEARNING SUPPORT SYSTEM T. Akakura, T. Ishii, K. Kato	5145
"IT'S ALL ABOUT THE RELATIONSHIP": EXPLORING A SUCCESSFUL PUBLIC- PRIVATE TEACHING AND LEARNING PARTNERSHIP AT A CANADIAN UNIVERSITY E. Vogel, B. Muirhead, N. Hattangadi, B. Atkins, J. McLean, C. Myco	5153
CONTINUING TO BUILD OUR PROGRAM: WILL THEY STILL COME? A LOOK THROUGH THE LENS OF FACULTY DEVELOPMENT L. Marion, K. Holt, R. Lum, A. Grant, S. Mercanti-Anthony, J. Donaldson	5161
ENTREPRENEURSHIP EDUCATION AS A CATALYST FOR RECOVERY IN NORTH EASTERN NIGERIA U. Evuleocha, D. Ugbah	5169
AWARENESS OF THE TEXTUAL GENRE CHARACTERISTICS IN THE DEVELOPMENT OF MULTILITERACIES S. Avelar, V. Valente, R. Bambirra, M. Racilan	5177
THE ATTITUDES TOWARDS MATHEMATICS: EVALUATION OF THE PERCEPTIONS OF THE STUDENTS OF POSTGRADUATE PROGRAMS IN ADMINISTRATION OF THE INSTITUTO POLITÉCNICO NACIONAL  M. Vargas Londoño, E.O. Cardoso Espinosa, J. Cortés Ruíz	5187
ANALYSIS OF USER PROFILES IN SOCIAL NETWORKS TO SEARCH FOR PROMISING ENTRANTS  A. Feshchenko, V. Goiko, G. Mozhaeva, K. Shilyaev, A. Stepanenko	5188
ASSESSMENT OF THE LEVELS OF DEVELOPMENT OF RESEARCH COMPETENCES IN THE STUDENTS OF INITIAL TEACHING TRAINING IN MEXICO M. Vargas Londoño, E.O. Cardoso Espinosa, M.E. Zepeda Hurtado	5195
ICT IMPACT ON THE PRODUCTIVITY OF METAL MECHANICAL SMES IN QUITO THE CAPITAL OF ECUADOR  J. Ibujés Villacís, L. Chasi Ramírez	5196
QUALITY ASSURANCE FOR HIGHER EDUCATION: CHALLENGES IN SUSTAINING CONTINUOUS QUALITY IMPROVEMENT FOR MALAYSIAN UNIVERSITIES R. Mahbub	5204
ENHANCING LEARNING THROUGH PRACTICAL TRAINING FOR QUANTITY SURVEYING UNDERGRADUATE PROGRAMMES IN MALAYSIA R. Mahbub	5211
EEG AND ECG SENSORS IN MOBILE HEALTHCARE APPLICATION L. Lam	5218
FACE RECOGNITION AND EMOTION DETECTION USING PCA AND VIOLA-JONES ALGORITHMS L. Lam	5225
PRE-SERVICE SCIENCE TEACHERS ATTITUDES TOWARDS SMALL-GROUP LEARNING PEDAGOGIES  D. Tsybulsky, A. Oz	5231
THE EFFECTS OF PROBLEM-BASED LEARNING STRATEGIES AND LEARNING STYLE ON STUDENTS' ACHIEVEMENT AND RETENTION IN A SOCIAL NETWORK ENVIRONMENT W.A.J. Wan Yahaya, T. Tan	5237
DEVELOPING UNIVERSITY STUDENTS' COMMUNICATIVE LANGUAGE COMPETENCE J. Bérešová, H. Vančová	5247
DEVELOPING AN AWARENESS OF THE COMPLEXITY OF THE LANGUAGE SYSTEM CONCERNING PHONOLOGICAL AND LEXICAL STRATA  I. Bérešová. H. Vančová	5254

BENEFITS OF INCORPORATING PHYSICAL ACTIVITY INTO CLASSROOM LEARNING: THE GENDER DIFFERENCES D. Novak, D. Kamenarić, M. Ukic	5262
AN APPLICATION OF KAHOOT! IN UNIVERSITY EDUCATION: CHALLENGES AND OPPORTUNITIES  E. Zubiria-Ferriols, I. Bel-Oms, T. Martínez-Fernández, T. Vallet-Bellmunt, I. Vallet-Bellmunt	5267
A COMPARATIVE STUDY ON THE EFFECTIVENESS OF USING THE SOCRATIVE PROGRAM TO ENHANCE ACADEMIC PERFORMANCE AND ATTENDANCE TO THEORETICAL CLASSES  I. Bel-Oms, E. Zubiria-Ferriols, T. Vallet-Bellmunt, T. Martínez-Fernández, I. Vallet-Bellmunt	5277
MANAGEMENT IN SPECIAL (CORRECTIONAL) SCHOOLS FROM THE STANDPOINT OF COMMUNICATIVE COMPETENCE M. Itckovich, T. Itskovich, A. Shutaleva	5287
DIGITAL, MULTIMODAL ASSESSMENT IN TEACHER EDUCATION: MULTIMODAL COMPOSITIONS FOR INCLUSION AND EQUITY P. Carbone	5297
IDENTIFY STUDENT PARTICIPATION IN CO-CREATION OF LEARNING ACTIVITIES D. Hussadintorn Na Ayutthaya, P. Koomsap	5298
BURNOUT SYNDROME AND POSSIBILITIES OF ITS PREVENTION IN FUTURE HELPING WORKERS  I. Rác, R. Szakács	5308
STUDY REGARDING DIMENSIONS OF GRADUATES SATISFACTION OF THE MILITARY HIGHER EDUCATION INSTITUTIONS L.F. Stoenică	5316
COGNITIVE SCIENCES AND EDUCATION V. Voronin	5326
COST ACCOUNTING IN MONGOLIAN HIGHER EDUCATION SYSTEM P. Tsedensodnom, M.V. Sánchez Rebull	5333
STUDENT COMPETITION IN PRESENTATION SKILLS IN ENGLISH – A BUSINESS ENGLISH COURSE SPIN-OFF AS A MODEL FOR UNIVERSITY-INDUSTRY COLLABORATION  A. Knezovic	5344
DESIGNING AND MANAGING A FULLY ONLINE UNIVERSITY PRE-ENROLMENT COURSE IN JAPAN A. Smith, A. Johnson, M. Nakamura	5355
SUCCESS WITH EXTENDED PROGRAMMES: A SOUTH AFRICAN CASE STUDY B.J. Van Wyk, C.C. Oosthuizen	5364
SERIOUS GAMES FOR PROMOTING AGILE INDUSTRY PRACTICES TO ENGINEERING HIGHER EDUCATION H. Tsalapatas, O. Heidmann, E. Houstis	5370
GENERATING KNOWLEDGE THROUGH THE INTEGRATION OF BASIC AND CLINICAL RESEARCH: FROM THE OPERATING THEATER TO THE LABORATORY S.D. Paredes, L. Rancan, C. García, I. Garutti, C. Simón, J.A. Zueco, J.A.F. Tresguerres, E. Vara	5375
WEB CONFERENCING AND BLENDED LEARNING: USING WEBINARS AS A BRIDGE BETWEEN FORMATIVE AND SUMMATIVE ASSESSMENT ON PART-TIME DEGREE PROGRAMMES  W. Bailey	5376
PROMOTING THE ACTIVE PARTICIPATION OF STUDENTS IN KNOWLEDGE CONSTRUCTION: AN EARLY START IN BIOMEDICAL RESEARCH S.D. Paredes, L. Rancan, C. García, I. Garutti, C. Simón, J.A. Zueco, J.A.F. Tresguerres, E. Vara	5386
TEACHING FACULTY TO COPE WITH CHANGE BY TAKING THE EMOTION OUT OF IT  N. Bryant	5391
AN OPTIMISED COMPETENCY FRAMEWORK TO PREPARE STUDENTS FOR EMPLOYMENT  D. Palmer-Brown, F.F. Cai, P. Patel	5399
PARENTAL ATTITUDE TOWARDS VOCATIONAL EDUCATION IN ADO-ODO OGUN STATE NIGERIA  B. Adewale, E. Amgbari, E. Erebor, Z. Tipili, J. Ejiga	5411

EDUCATIONAL EXPERIENCE IN TEACHING MATHEMATICS ONLINE: A CASE STUDY ON THE IMPLEMENTATION OF GEOGEBRA IN AN INTERACTIVE LEARNING ENVIRONMENT  A. Tatarczak, M. Mędrek	5416
BUILDING DIGITAL SKILLS FOR EMPLOYMENT AMONG SECONDARY EDUCATION LEARNERS H. Tsalapatas, O. Heidmann, E. Houstis	5425
IMPORTANCE OF SAFETY-LEARNING ELEMENTS IN MANAGEMENT SYSTEM OF NURSING HOMES IN ESTONIA  J. Sepp	5426
GENDER AND CAREER ASPIRATIONS OF ARCHITECTURE STUDENTS O. Fulani, O. Pase, A. Omeiza, J. Daniels, O. Alagbe, P. Aderonmu, J. Udiminue	5437
LEARNER SATISFACTION AND KNOWLEDGE CONSTRUCTION IN BLENDED LEARNING M.J. Kintu, C. Zhu, E. Kagambe	5443
THE LUXURY OF LEARNING AS JOBS BECOME EPHEMERAL M. Mackay	5451
USING PROTOTYPES TO IDENTIFY PEDAGOGICAL STRATEGIES FOR THE INTEGRATION OF AUGMENTED REALITY IN THE CLASSROOM D. Sampaio, P. Almeida	5452
TRAINING VERSUS PROFESSION: FROM TRANSLATION TO WEB LOCALIZATION M.D. Olvera-Lobo, J. Gutiérrez-Artacho	5461
TEACHING AN ENTREPRENEURIAL PERSPECTIVE IN THE PUBLIC SECTOR - COLLABORATION EXPERIENCES WITH THE DEPARTMENT OF TRANSPORTATION J. Padfield	5470
USE OF SMARTPHONES AS MEASURING TOOLS FOR EDUCATIONAL PURPOSES IN REMOTE SENSING M. Campos-Taberner, G. Grau-Muedra, F.J. García-Haro, B. Martínez, S. Sánchez-Ruiz, M.A. Gilabert, R. Confalonieri	5474
FACILITATION OF MUTUAL LEARNING THROUGH TECHNOLOGY-ENHANCED PEER COACHING C. Wolf, G. Gidion	5479
A DIGITAL INTERACTIVE EDUCATIONAL GAME FOR THE LIFE AND THE CULTURAL WORK OF EL GRECO A. Triantafyllopoulos, A. Alexandri, C. Alexakos, D. Tsolis	5486
IMPACT OF THE ARCHITECTURAL DESIGN PROCESS ON STUDENTS PERFORMANCE IN DESIGN STUDIO PROJECTS A. Oluwatayo, S. Olademehin, A. Adewakun, H. Pirisola, O. Alagbe, P. Aderonmu, O. Fulani	5493
COLLABORATIVE AND INDIVIDUAL ASSESSMENT IN A MEDICAL SERIOUS GAME S. Benkhedda, F. Bendella, A. Kinane Daouadji	5502
'DO YOU HAVE A MINUTE?' THE IMPACT OF THE ONE-MINUTE PAPER ON ENGLISH, MARKETING AND ACCOUNTANCY UNDERGRADUATE STUDENTS R. Currás-Móstoles, I. Llibrer-Escrig, D. Servera-Francés	5507
DOME SESSIONS FOR LEARNING AND TEACHING IN PLANETARIUM G.M. Oliveira	5514
DIGITIZATION IN HIGHER EDUCATION 2025: THE ORGANIZATIONAL PERSPECTIVE G. Gidion, M. Weyrich	5522
IMPACT OF THE IMPLEMENTATION OF THE ERASMUS PROGRAMME ON THE INTERNATIONALIZATION OF CROATIAN HIGHER EDUCATION INSTITUTIONS M. Brajdić Vuković, K. Klasnić, N. Baketa	5533
INTEGRATING TECHNOLOGY IN TEACHING SUMMARIZATION: A CASE FOR TECHNICAL PAPERS S. Sheremetyeva, P. Osminin	5541
ASSESSMENT OF THE USE OF ICT AND FLIPPED LEARNING METHODOLOGY IN THE SUBJECT'S PRACTICES: CLOSING THE STUDENTS TO THE LABOUR MARKET B. Urbano, F. González-Andrés	5550
VALUE ORIENTATIONS OF FUTURE ENGINEERS IN THE CONTEXT OF PROFESSIONAL IDENTITY FORMATION  A Balanson I Boroning Y Vishnensky O Belong	5558

FINAL EXAMS VS FINAL ASSESSMENTS - INNOVATIVE APPROACHES TO MEASURE A STUDENT'S ABILITY TO APPLY CONCEPTS AND TECHNIQUES TO REAL WORLD SITUATIONS  J. Padfield	5568
LEARNING FACTORY – ASSEMBLING CONTENT WITH PATTERNS, MODELS, FRAMEWORKS AND TOOLS P. Steininger	5573
THE METAPHOR AS AN INDUCTIVE METHODOLOGY OF LEARNING STRUCTURAL ANALYSIS: COLLECTIVE DESIGN AND CONSTRUCTION OF PAPER STRUCTURES F. Gómez-Martínez, D. Gallardo Llopis, S. Borcha Vila	5581
SPECTROSCOPY EXPERIENCES IN POST-GRADUATE UNIVERSITY EDUCATION B. Martínez, S. Sánchez-Ruiz, M. Campos-Taberner, G. Grau-Muedra, F.J. García-Haro, M.A. Gilabert	5591
THE BLOG IN UNIVERSITY TEACHING: DEVELOPMENT OF THE DIGITAL COMPETENCE FOR THE NEW EDUCATIONAL PARADIGM A. Lledó Carreres, G. Lorenzo Lledó, A. Lorenzo Lledó, G. Arráez Vera, C. Gonzálvez Maciá	5598
EDUCATIONAL APPLICATION OF DEFORMATION MONITORING THROUGH STRAIN GAUGES AND INTERNET OF THINGS E. Gil Benso, F. Gómez-Martínez, A. Más Tomás, J.M. Vercher Sanchís, C. Lerma Elvira	5603
EDUCATING CHILDREN IN SMART CITIES BY USING A VIDEOGAME F. Ramos, N. Miralles, C. Andres	5612
SECONDARY EDUCATION TEACHERS' KNOWLEDGE EXPANSION THROUGH OPEN COURSES AND KALLIPOS PLATFORM. A SUGGESTION OF TRAINING THROUGH SECONDARY-TERTIARY EDUCATION INTERCONNECTION S. Kappas, C. Alexakos, D. Tsolis	5613
DIMINISHING VALUE OF TERTIARY EDUCATION IN NIGERIA E.N. Ekhaese, G.O. Abah, O.C. Adikwu, J.T. Alabi, O.O. Apata, A.F. Taiwo, D.T. Otusemade	5622
VIRAL MARKETING AS PART OF EFFECTIVE UNIVERSITY MARKETING STRATEGY R. Madlenak, L. Madlenakova, A. Rudawska	5629
STAKEHOLDER ENGAGEMENT IN IRISH HIGHER EDUCATION INSTITUTIONS R. VanceLee, R. Kelly	5635
CREATION OF THE ECOLOGICAL COMPETENCE FORMATION MODEL OF STUDENTS OF TECHNICAL SPECIALTIES AND THE STUDY OF ITS FACTORS O. Galtseva, I. Plotnikova, A. Nikitina, A. Rogachev	5645
TRAINING SESSION IMPLEMENTATION FOR STEADY STATE REGIME RESTORATION OF POWER SYSTEM AFTER AUTOTRANSFORMER EMERGENCY SHUTDOWN  L. Batseva, N. Fix, V. Troshchinskiy, A. Mitrofanov, A. Shaidullina	5652
USING THE TOOLS OF TIME MANAGEMENT AT STUDENT'S WORK  Z. Kolarovszká, J. Fabuš, P. Kolarovszki, J. Tengler	5658
SOCIAL DEVELOPMENT IN EARLY CHILDHOOD EDUCATION WHEN IMPLEMENTING WORK PROJECTS METHODOLOGY: AN APPROACH TO IN-SERVICE TEACHERS' ROLE THROUGH PRE-SERVICE TEACHERS' INSIGHTS  J. Rodríguez Carrillo, E. González Alfaya, R. Mérida Serrano, M.A. Olivares García	5668
UAE UNIVERSITY STUDENTS' PERCEPTIONS OF THE USE OF MOBILE LEARNING G. Al Murshidi, A. Al Zaabi, A. Abdel Jalil, M. Abdel Aziz, M. Chiekhi	5678
DEVELOPING AWARENESS OF DIGITAL COMPETENCE AND SKILLS THROUGH DIALOGUE – A METHODOLOGICAL REFLECTION O.J. Lindberg, A.D. Olofsson, G. Fransson, A. Hansson	5679
COMPUTERISATION IN MANDATORY SCHOOLING IN MACEDONIA WITH AN ACCOUNT TO FOREIGN LANGUAGE TEACHING S. Kirova, T. Ulanska, D. Kuzmanovska, B. Ivanova	5687
ELECTRONIC SUPPORT BY THE MULTIMEDIA APPLICATIONS IN CONJUNCTION WITH EDUCATION IN THE FIELD OF POSTAL PROCESSES  P. Kolarovszki, Z. Kolarovszká, J. Tengler	5691
ICT AND LEARNING: DIGITAL LITERATES D. Smeriglio, A. Epasto, S. Nucera, A. Mazzeo	5698
DEVELOPMENT AND DELIVERY OF AN E-LEARNING COURSE "CALCULATION METHODS FOR POWER SYSTEMS STABILITY" IN LEARNING MANAGEMENT SYSTEM	5706

INTEGRATION OF LEARNING MATERIAL INTO AN ADVANCED PROJECT-BASED LEARNING SUPPORT PLATFORM C. Grévisse, J. Botev, S. Rothkugel	5711
RESEARCH ASSISTANTS' PERCEPTIONS OF WORKING WITH FACULTY MEMBERS G. Al Murshidi, A. Al Zaabi, A. Abdel Jalil, M. Abdel Aziz, M. Chiekhi	5721
DRIVERS AND MOTIVATIONS TO GAME-BASED LEARNING APPROACHES – A PERSPECTIVE FROM PARENTS AND TEACHERS S. Henriques, C. Sousa, C. Costa	5722
TEAM DYNAMICS IN SOFTWARE ENGINEERING STUDENT PROJECTS: STUDENTS' INITIAL PERCEPTIONS Y. Furman Shaharabani, S. Tidhar, A. Soffer	5731
DIFFERENT DIDACTICAL APPROACHES ON ONE COURSE F. Niederl, W. Schabereiter	5732
PROBLEM BASED LEARNING IN TEACHING OF SENSORY NERVOUS SYSTEM PATHOPHYSIOLOGY FOR PHARMACY STUDENTS A.C. Martínez, B. Climent Flórez, P. Recio, S. Benedito, A. Agis-Torres, E. López-Oliva, M. Muñoz, A. García-Sacristán, L. Rivera, D. Prieto, M. Hernández, A. Sanchez	5740
TWITTER USAGE OUTSIDE OF THE CLASSROOM C. Layfield	5744
QUALITY EVALUATION OF LEARNING MANAGEMENT SYSTEMS USING DEMATEL- ANP	5754
M. Nazir, N. Cavus  THE PERSPECTIVE OF RESPONSIBILITY FORMATION: CHALLENGES AND OPPORTUNITIES  P. Jurs, A. Samusevičā, A. Līdaka	5761
VALUES EDUCATION FOR SUSTAINABLE DEVELOPMENT P. Jurs, A. Līdaka, A. Samusevičā	5768
EFFECT OF CONTINUOUS ASSESSMENT ON THE RETENTION OF FRESHMEN IN APPLIED PHYSICS IN ENGINEERING  J.M. Cámara-Zapata	5769
NAVAPPS - A MOBILE GAME TO IMPROVE SPATIAL LITERACY FOR SECONDARY SCHOOL CHILDREN  D. Frias Garrido, A. Monfort Muriach, S. Casteleyn	5774
INFLUENCE OF CONTINUOUS ASSESSMENT ON THE QUALIFICATION OF FRESHMEN IN PHYSICS IN ENGINEERING  J.M. Cámara-Zapata	5780
INCORPORATING A TEACHING INNOVATION PROJECT IN A SUBJECT IN THE DEGREE OF BUSINESS ADMINISTRATION M. Obeso, M.C. Lopez-Fernandez, G. Garcia-Piqueres, M. Perez-Perez	5785
EVALUATION OF EFFICIENCY OF MODERN TECHNOLOGIES FOR INTRACORPORATE TRAINING OF STAFF E. Rezanovich, S. Aliukov, A. Rezanovich	5794
SERIOUS GAMES ON HEALTH AND SAFETY FOR MOBILE LEARNING J. González, E. Rodríguez, M. Oriol	5804
LEARNING STEM WITH MOBILE TECHNOLOGY: EXPERIENCES AND EXAMPLES OF PHYSICS, MATH, CALCULATOR (WITH YOUR FINGERTIPS)!  J.J. Suñol, J. Suy, J. Tarrés, T. Tühonen, M. Moreno	5813
ANALYZING THE FACTORS INFLUENCING THE ETHICAL DECISION MAKING SKILLS AMONG ENGINEERING STUDENTS M. Atesh, B. Baruah, A. Ward	5819
A STUDY ON INSTRUCTIONAL DESIGN OF EXPERIENTIAL LEARNING FOR IOT SECURITY ENGINEERS K. Kaneko, Y. Ban, K. Okamura	5826
GIVING STUDENTS EMPLOYMENT INTERVIEW PRACTICE IN AN EFFICIENT MANNER E. Curran, R. Sterritt	5834
ISEERG, HIGHER EDUCATION INSTITUTIONS IMPACT ON THE ECONOMIC AND SOCIAL DEVELOPMENT. THE CASE OF GIPUZKOA  L. Markuerkiaga, N. Errasti, N. Zabaleta	5843

WE ARE PLEASED TO WORK WITH YOU. THANKS AND BYE-BYE!': A LOOK AT THE INTERACTION THAT EMERGES FROM TELECOLLABORATIVE TASKS S. Ozcan, M. Dooly	5849
SOCIO-ECONOMIC MEGATRENDS SHAPING EDUCATION M.A. Perez Alonso, M.P. Frutos Rodríguez	5850
GROUP MODEL BUILDING: AN SME FROM THE BASQUE INDUSTRIAL SECTOR M. Ruiz, U. Elorza, J.I. Igartua	5858
FOSTERING ENTREPRENEURIAL COMPETENCE AT PHD LEVEL, THROUGH AN EXPERIMENTAL METHODOLOGY COMPRISING OF A TANGIBLE BUSINESS NEEDS TESTING PROGRAM (TBNTP)  J. Ganzarain, L. Markuerkiaga, N. Errasti	5867
BUSINESS MODEL INNOVATION IN INDUSTRY 4.0: THE CASE OF A UNIVERSITY-INDUSTRY EXPERIENCE IN SMES  D. Ibarra, J.I. Igartua, J. Ganzarain	5877
FACILITATING EVALUATION SUPPORT FOR SERIOUS GAMES A. Nussbaumer, C.M. Steiner, M. Maurer, D. Albert	5887
A RECOMMENDATION METHOD OF DIDACTIC CONTENT TO ACCOMPANY STUDENT PERFORMANCE T. de Avila Mendes, C.R. Cervi, R. dos Santos Rabello, J. Tonezer da Silva	5897
TRADITIONAL GAMES TO REINFORCE THE KNOWLEDGE LEARNED IN AN ENGINEERING MASTER DEGREE R. Sanchis, B. Andrés, R. Poler	5905
ACQUISITION OF COMPETENCES AND SATISFACTION OF STUDENTS ACCORDING TO THE TYPE OF METHODOLOGY USED IN THE CLASSROOM M.C. Martínez-Monteagudo, J.M. García-Fernández, C. Inglés, B. Delgado	5912
PROPOSAL OF PRACTICAL ACTIVITIES INVOLVING PALEOMAGNETISM: ANALYSIS OF GEOCIENCES TEXTBOOKS G. Pereira Correia, C. Romualdo Gomes	5917
ADULT LEARNERS' EXPECTATIONS OF LEARNING TRANSFERABLE SKILLS IN HIGHER EDUCATION P. Einpaul, T. Õunapuu, A. Vaigu	5925
PEDAGOGICAL ASPECTS OF LIFE VALUES OF MODERN STUDENTS S. Aliukov, A. Rezanovich	5935
<b>NEW CHALLENGES FOR INFORMATICS EDUCATION</b> D. Gruska, F. Alfaro-Cortés, M.C. Ruiz	5942
THE PLAYFULNESS IN THE DEVELOPMENT OF LOGICAL AND NUMERICAL THINKING C. Carreño, L. Turizo, D. Tovar, S. Barandica	5950
PARTICIPATION IN A SCIENTIFIC CONGRESS: AN OPPORTUNITY FOR TEACHING AND LEARNING GEOSCIENCES G. Pereira Correia, E. Ramos Pires, C. Romualdo Gomes, I. Abrantes	5958
DEEPENING CRITICAL CULTURAL AWARENESS WITH TECHNOLOGY IN THE WORLD LANGUAGE CLASSROOM A. Warner Ault	5966
THE ROLE OF TRAUMA-INFORMED CARE IN THE CLASSROOM B. Bagwell	5967
HOW DO STUDENTS RESPOND TO USE OF STUDENT MENTORING IN AN ENTREPRENEURSHIP COURSE?  K. Voldsund, J. Bragelien	5972
BUSINESS INTELLIGENCE AND DATA ANALYSIS IN AN ADAPTIVE WEB-BASED INTEGRATED LEARNING ENVIRONMENT M. Mędrek, A. Tatarczak	5981
RE-DESIGNING OF A PRODUCT DEVELOPMENT COURSE FOR MECHANICAL ENGINEERING STUDENTS BY SHIFTING RESPONSIBILITIES TO THEM V. Haralanova, S. Khoshaba	5991
THE USE OF SOCIAL MEDIA AND FEAR OF MISSING OUT AMONG COLLEGE STUDENTS V.A. Sanalan, A. Koç, R. Oz, E. Taslibeyaz, M. Kayalar, O. Yildirim	6000
VIETNAM PRESCHOOL AND KINDERGARTEN EDUCATION IN THE PERIOD 2011- 2015	6001
C.P. Tran, T.A. Chu, T.L. Nguyen, A.V. Nguyen	

TEACHING DESIGN OF MECHANICAL TRANSMISSIONS IN AN INTERNATIONAL CLASSROOM – EXPERIENCES AND REFLECTIONS S. Khoshaba, V. Haralanova	6007
QDA MINER ANALYSIS APPLIED TO PROPOSALS FOR THE TRAINING WORKSHOPS FOR DEAF STUDENTS IN THE STATE OF JALISCO, MÉXICO. SOME PROPOSALS FOR IMPROVEMENT FOR THE DEAF EDUCATION IN UNDEVELOPED COUNTRIES I. Moreno Vite, M.P. Fernández-Viader	6017
TEACHING ON ENTREPRENEURIAL INITIATIVES: SOME CASES OF SUCCESS M. Machin Martinez, C. De Pablos Heredero	6023
EVALUATION OF TABLEXIA – A TABLET APPLICATION FOR TRAINING COGNITIVE ABILITIES OF CHILDREN WITH DYSLEXIA  K. Jurnost, D. Herrmann	6030
INTERNET ADDICTION OF SECONDARY SCHOOL STUDENTS AND ATTITUDES OF THEIR PARENTS O. Yildirim, M. Kayalar, V.A. Sanalan, E. Taslibeyaz, A. Koç, R. Oz, M. Yildiz	6039
VIETNAM SCHOOL EDUCATION (PRIMARY, SECONDARY AND HIGH SCHOOL LEVELS) IN THE PERIOD 2011-2015 C.P. Tran, T.A. Chu, T.L. Nguyen, A.V. Nguyen	6040
VIRTUAL LABORATORY: INTERACTIVE AND SIMULATED HIGH PERFORMANCE LIQUID CHROMATOGRAPHY	6048
M.E. Alañón Pardo, M.M. Contreras, D. Arraéz-Román, A. Segura-Carretero FROM KNOWLEDGE IN STORAGE TO KNOWLEDGE IN USAGE: STUDENTS PERCEPTIONS OF NETWORKED LEARNING B.J. Godejord	6053
ENHANCING TEACHING USING THE STUDENT EXPERIENCES P. Álvarez, E. Centeno, G. Cereijido, R. Fernández, C. Ferreiro, L.M. Freiherr Von Fürstenberg, K.M. Mayes, A. Muñiz, A. Pereiro, J. Ruiz, F. Cano, A. García, J.R. Villar	6060
DEVELOPMENT OF SCIENTIFIC CAPABILITIES TO PUBLISH IN HIGH QUALITY INDEXED JOURNALS C. De Pablos Heredero, A. García Martínez	6067
TOWARDS INNOVATIVE LEARNING THROUGH THE USE OF OPEN DATA IN ENGINEERING EDUCATION R. Pérez-del-Hoyo, M.D. Andújar-Montoya	6074
REVIEW OF VIRTUAL LABS AS THE EMERGING TECHNOLOGIES FOR TEACHING STEM SUBJECTS T. Lynch, I. Ghergulescu	6082
EVALUATING EVIDENCE OF LEARNING IN A MOBILE-ASSISTED UBIQUITOUS LEARNING CLIL CLASSROOM N. Tanaka-Ellis, S. Sekiguchi	6092
ALL REPEATED READING FLUENCY STRATEGIES ARE NOT CREATED EQUAL M. Carver, C. Todd, M. Bubp	6100
LINKING THE WORK AND STUDIES – HOW STUDY ORGANIZATION AND METHODS CAN SUPPORT STUDENT'S WORK AND BE USEFUL FOR HIS EMPLOYER I. Maasi, E. Titov	6106
LABYRINTH: A MOBILE APPLICATION FOR PROBLEM-BASED LEARNING IN HEALTH SCIENCES L. Bruton, M. Ortiz Lucas, C. Jimenez Sanchez, C. Cetina Englada, R. Fortún Rabadán, M. Clavel, J. Alava Ruiz	6115
MATHEMATICS AND MUSIC: AN INTERDISCIPLINARY PROPOSAL FOR PRIMARY SCHOOL H. Campos, B. Costa, P. Catarino	6122
SELF-REGULATED LEARNING AND SOCIO-ECONOMIC BACKGROUND: FROM THE ANALYSIS OF SCHOOLING HISTORY OF UNIVERSITY STUDENTS T. Takabayashi	6129
THE USE OF ONLINE SOCIAL NETWORKS, FOR THE ACQUISITION AND DEVELOPMENT OF DIGITAL COMPETENCES A. Trindade, A. Balula, G. Miranda	6133
E-PLATFORM FOR DEVELOPMENT AND ASSESSMENT OF THE STUDENTS TOLERANCE O. Smolyaninova, E. Bezyzvestnykh	6140
THE REFLECTIVE THINKING WORKSHOP: A TOOL FOR TEACHER EDUCATION L. Mortari, F. Valbusa	6147

DEVELOPMENT OF AN ONLINE TOOTH MORPHOLOGY 3D QUIZ TO ENHANCE DENTAL STUDENT LEARNING M. Lone, T. Vagg, A. Theocharopoulos, J.F. Cryan, E.J. Downer, J.P. McKenna, A. Toulouse	6153
COMMUNITY SERVICE LEARNING EXPERIENCES IN PRE-SERVICE TEACHERS' TRAINING L. Mortari, R. Silva, C. Girelli	6161
THE DOMESTIC FOOTPRINT AND THE RATIONAL USE OF WATER: A VIRTUAL LEARNING ENVIRONMENT FOR BASIC EDUCATION IN BRAZIL L. Alves Martirani, T. Kárita Bonzanini	6168
BUSINESS EDUCATION WITH EMOTIONS TAKEN INTO ACCOUNT AS THE BASIS FOR DEVELOPMENT OF MODERN COMPANIES Y. Babanova, S. Aliukov	6178
A CASE FOR PROGRAMME SPECIALIZATION IN NIGERIAN SCHOOLS OF ARCHITECTURE O. Alagbe, O. Majoroh, O. Oke, D. Eni, O. Olawore	6187
THE SEED PROJECT: TRAINING E-TUTORS TO SUPPORT YOUNG ADULTS' E-WORK DEVELOPMENT  A. Colibaba, S. Colibaba, R. Gardikiotis, I. Gheorghiu, C. Colibaba, O. Ursa	6193
AFFECTIVE EMPOWERMENT AND THE L2 LEARNER	6201
C. Spencer, M. Meinardi	0201
FLIPPED LEARNING APPLICATION IN HIGHER EDUCATION N. Castilla-Cabanes, A. Martínez-Antón, I. Tormo-Clemente, V. Blanca-Giménez	6208
STRATEGIC DECISION SUPPORT SYSTEM BASED INTEGRATED MODELS FOR UNIVERSITY ADMISSION CAPACITY PLANNING A.H. Ragab, S.A.H. El-Quliti, R. Abdelaal, A. Wagdy, A.S. Mashat, A.Y. Noaman, A.H. Altalhi	6218
A PIPELINE TO CREATE EDUCATIONAL ANIMATIONS FOR THIRD LEVEL EDUCATION M. Lone, T. Vagg, J.F. Cryan, J.P. McKenna, E.J. Downer, A. Toulouse	6227
UNIVERSITY-INDUSTRY COLLABORATION DURING THE SYLLABUS DESIGN OF A QUALIFYING MASTER SUBJECT E. Pérez-Esteve, N. Betoret, C. Barrera, M.L. Castelló	6234
DEVELOPMENT OF HYPOTHESISING SKILLS IN BIOPHYSICAL CONTEXT AMONG MEDICAL STUDENTS V. Haverlikova	6242
ROLE OF SOCIAL NETWORKING IN ENHANCING ENGINEERING EDUCATION COURSES M. Alseddiqi, R. Heranjal	6246
THE BOLOGNA DECLARATION AND PRE-SERVICE SCIENCE TEACHERS' EDUCATION IN THE CZECH REPUBLIC H. Ctrnactova	6250
THE ROLE OF EMPLOYABILITY IN HIGHER EDUCATION C. Lusuardi	6258
WHEN SPANISH BECOMES A MEDIUM OF INSTRUCTION IN SPAIN E. Pérez-Esteve, N. Betoret, M.L. Castelló, C. Barrera	6268
A STUDY OF STUDENTS' PERCEPTION OF THE LEARNING ENVIRONMENT: CASE STUDY OF DEPARTMENT OF ARCHITECTURE, COVENANT UNIVERSITY, OTA OGUN STATE  E. Ibem, O. Alagbe, A. Owoseni	6275
PLACEMENT TEST VALIDATION: WAYS OF IMPROVEMENT T. Peredrienko, E. Istomina	6287
NEW MEDIA CONSORTIUM: AN ANALYSIS UNDER THE PERSPECTIVE OF LEARNING THEORIES G. Gomes de Menezes, C. Augusto Canha, S. da Luz	6294
SPECIFIC FEATURES OF STUDENTS' PERSONAL MATURITY AND PERSONAL IMMATURITY DEPENDING ON THEIR SOCIAL STATUS  J. Rashupkina, E. Krasnova, O. Nikolenko, N. Lomova, N. Hachaturiyan, N. Klimova, M. Vasilchenko	6300
ACCESSIBILITY IN BILINGUAL VIRTUAL LEARNING ENVIRONMENTS (BRAZILIAN SIGN LANGUAGE/PORTUGUESE) THROUGH VISUALITY AND SIGN LANGUAGE D. Scandolara, B.P. Velloso, F. Bubniak, L. Moraes, S. Figueiredo	6305
MASIM AND STEM APPROACHES IN THE ROMANIAN SCHOOL  A.M. Baldea, M. Garabet, V. Prisacariu	6312

ROMANIAN STUDENTS PARTICIPATING IN ESTABLISH RESEARCH A.M. Baldea, M. Garabet, I. Neacsu	6320
METHODS OF FINANCIAL MATHEMATICS FROM THE ASPECT OF THE STUDENTS KNOWLEDGE LEVEL  D. Orszaghova, R. Hornyak Greganova	6328
THE INFLUENCES OF OPPORTUNITY. DIFFERENCES IN CHILDREN'S PLAY CHOICES ACROSS DIVERSE COMMUNITIES IN IRELAND  D. O'Connor, V. O'Rourke, C. Robinson, M. McCormack	6335
LEARNING TO PROGRAMMING COMPUTERS THROUGH VISUALIZATION AND PROJECT BASED LEARNING METHODOLOGY E. Pires, T. Bettencourt	6342
BETWEEN-TEAMS COMPETITION TO DEVELOP THE UNIVERSITY STUDENTS' TEAMWORK COMPETENCE: AN EXPERIMENTAL STUDY M.V. Alba-Fernández, F. Jimenez-Jimenez, M.P. Horno-Bueno, R. Martinez-Jimenez, A. Oya-Lechuga	6351
COMPETENCE DEVELOPMENT BY DIGITALLY SUPPORTED LIVE-TEACHING TECHNIQUES: A CASE STUDY WITH WEBINARS M. Leiss, J. Augat, E. Ponick	6359
AN ALTERNATIVE TO THE DELPHI METHOD IN SITUATIONS OF IMPASSE: THE DETECTION OF CONCORDANT SETS. APPLICATION IN THE CONTEXT OF HEALTH MANAGEMENT  J. Irigaray, G. Bou, C. Güell	6365
ASSESSMENT OF LABORATORY INSTRUCTION IN UNDERGRADUATE BIOLOGY STUDENTS F. Vila, A. Sanz	6372
SCHOOLING SYSTEMS AND THE DEMAND OF SKILLED WORKERS: THE EVOLUTION OF WAGES IN SOME EUROPEAN COUNTRIES R. Castellano, G. Musella, G. Punzo	6379
LEADING CHANGE IN INSTITUTIONAL LEARNING TECHNOLOGY MANAGEMENT: JOINING THE DOTS J. Powles	6389
METHODOLOGICAL CHANGE IN AN EXPERIMENTAL SUBJECT OF CHEMICAL ENGINEERING DEGREE: PROJECT LEARNING BASED ON LABORATORY PRACTICE M. Sancho Fernández, B. Garcia Fayos, J.M. Arnal Arnal	6390
FORMAL EDUCATION AS A PROXY OF WORKERS' SKILLS: WAGE INEQUALITY IN THE PIGS COUNTRIES R. Castellano, G. Musella, G. Punzo	6397
THE CONTENT OF PHILOLOGICAL COMPETENCE FORMED IN THE FRAMEWORK OF THE MASTER'S PROGRAMME "PHILOLOGY"  O. Turbina, M. Raevskaya, O. Bernat, M. Chernysheva	6405
DIFFICULTIES TEACHERS HAVE WHEN THEY IMPLEMENT A PBL OR PJBL APPROACH IN THE CLASSROOM AT ENGINEERING SCHOOLS Z. Aginako, M. Garmendia, M.J. Bezanilla	6411
IMPLEMENTATION OF COOPERATIVE LEARNING METHODOLOGY IN A COMPULSORY COURSE OF THE CHEMICAL ENGINEERING DEGREE AT THE UNIVERSITAT POLITECNICA DE VALENCIA  B. Garcia Fayos, M. Sancho Fernández, J.M. Arnal Arnal	6422
APPLICATION OF RASCH MODEL ANALYSIS IN DEVELOPMENT OF SUSTAINABLE BEHAVIOR INSTRUMENTS FOR ENGINEERING STUDENTS N. Ngadiman, N.A. Ahmad, M.H. Amiruddin, M. Kaamin	6432
INNOVATIVE EDUCATIONAL ACTIVITIES IMPLEMENTED IN A PLANT PHYSIOLOGY COURSE FOLLOWING THE BOLOGNA AGREEMENT A. Sanz	6440
DYNAMIC ASSESSMENT OF SOCIAL COMMUNICATION IN CHILDREN WITH DEVELOPMENTAL DISORDERS THROUGH A MOBILE APPLICATION (APP). GUIDELINES FOR INTERVENTION C. Andrés-Roqueta, R. Flores, A.B. Górriz, K. Cuervo, F. Ramos	6445
TRANSITIONS FROM HIGHER EDUCATION TO LABOUR MARKET: OBSERVATORY OF INTERNSHIPS IN BUSINESS ORGANIZATIONS M. Magalhães, P. Morais, F. Lopes, I. Freitas, S. Fernandes, C. Costa-Lobo	6451
NATIONAL CORE VALUES IN THE PERCEPTION OF MODERN RUSSIAN YOUTH M. Itckmich, T. Itskmich, A. Shutalena	6460

IS IT TIME FOR THE RISKY CLASSROOM? DEALING WITH RISK AND UNCERTAINTY IS A NATURAL PART OF ADULT LIFE. YET MODERN CHILDREN ARE SHIELDED FROM RISK AT EVERY OPPORTUNITY. A PEDAGOGICAL SHIFT IS REQUIRED D. O'Connor, V. O'Rourke, C. Robinson, M. McCormack	6471
THE EFFECT OF PORTFOLIOS ON HIGHER EDUCATION STUDENTS LEARNING J. Paz-Albo Prieto, C.V. Herranz Llácer, A. Hervás Escobar	6478
MAINTAINING HEALTHY LIFESTYLE FOR ELDERLY PEOPLE THROUGH SERIOUS GAMES R. Taerel, I. Mocanu, O. Balan, A. Morar, A. Moldoveanu	6481
DESIGNING AN ADAPTIVE COURSE IN MOODLE FOR ENHANCING DISTANCE LEARNING S. Nikitopoulou, E. Kalabokis, Z. Asimakopoulos, A. Apergi	6489
FLIPPED CLASSROOM APPROACH TO TEACHING EFL AT KAZAN FEDERAL UNIVERSITY O. Melnikova, A. Gilmanova, D. Tyabina, S. Nikitina	6498
HCI STANDARDS FOR DEVELOPING MOBILE LEARNING APPLICATIONS IN EDUCATION S.S. Tabrizi, N. Cavus	6507
DEVELOPING ENGLISH FOR ACADEMIC PURPOSES MOOCS USING THE ADDIE MODEL  J. Balanyk	6514
MATHEMATICS EDUCATION OF ECONOMISTS AND MANAGERS WITH THE SUPPORT OF INFORMATION TECHNOLOGY D. Orszaghova, R. Hornyak Greganova, D. Tothova	6523
THE IMPLEMENTATION OF INNOVATIVE TEACHING METHODOLOGIES IN UNIVERSITY EDUCATION: THE "PRO BONO" LEGAL CLINIC IN THE COURSES OF THE COMPLUTENSE UNIVERSITY FACULTY OF LAW  A. Sánchez	6531
SYSTEMATIC REVIEW OF EVIDENCE ON DATA MINING APPLIED TO LMS PLATFORMS FOR IMPROVING E-LEARNING W. Villegas-Ch, S. Luján-Mora	6537
IMPROVED TRAINING IN MATHEMATICS FOR ENGINEERING STUDENTS: E-COURSES S. Rozhkova, V. Rozhkova, V. Lasukov, M. Chervach	6546
MAURITIUS AS A KNOWLEDGE HUB: THE HURDLES, CHALLENGES AND SOLUTIONS A.D. Bedacee	6552
THE SENSE OF HERE AND ELSEWHERE: ENCOURAGING DESIGN AND TECHNOLOGY STUDENTS TO REFLECT ON THE HUMAN EXPERIENCE OF PLACE C. Ault	6561
THE USE OF VIRTUAL AND AUGMENTED REALITY IN THE TEACHING PROCESS T. Szymczyk, S. Skulimowski	6570
THE TRAINING AND MULTICULTURAL DEVELOPMENT OF THE UNIVERSITY COMMUNITY UPAEP L. Centeno	6578
LEARNING OUTCOMES AND EMPLOYABILITY: A CASE STUDY ON MANAGEMENT ACADEMIC PROGRAMMES 1. Soares, D. Dias, A. Monteiro, J. Proença	6588
SOCIO-PSYCHOLOGICAL ASPECTS OF CRISIS INTERVENTION IN SOCIAL WORK PRACTICE  1. Strazdina, S. Lanka	6595
A 3D VIRTUAL LAB ON VECTOR OPERATIONS AND THEIR PROPERTIES I. Salinas, J.A. Gómez-Tejedor, J.A. Monsoriu Serrá, V.P. Cuenca-Gotor, J.A. Sans, M.H. Giménez	6600
EDUCATIONAL UTILITY OF SOFTWARE DEVELOPMENT IN ENGINEERING TEACHING. THE EXAMPLE OF AN UNSATURATED SOIL WATER FLOW CODE G. De la Morena, L. Asensio, A. Yustres, V. Navarro	6606
EDUCATION OF SELECTED GROUPS OF THE POPULATION IN CRIME PREVENTION V. Šoltés, Z. Štofková	6612
HOW TO EXPLAIN SOME SPECIFIC SOLUTIONS OF LINEAR PROGRAMMING TASKS?  O. Blažeková, P. Böhm, M. Vojteková	6618
Ο. Διαζεκουά, Ι. Δυππ, 191. γ υμεκουά	

EDUCATION OF PROFESSIONALS FOR THE INTERNATIONAL CRISIS MANAGEMENT TASKS' IMPLEMENTATION V. Mitašová, V. Šoltés	6624
DO OUR STUDENTS UNDERSTAND THE MEANING OF GRAPHIC INFORMATION? Z. Štofková, P. Böhm, M. Vojteková	6630
DEPENDENCE RELATIONSHIP BETWEEN STUDENT CHARACTERISTICS AND DROP- OUT IN A DISTANCE EDUCATION COURSE IN ECONOMICS G. Peres Souza, M. Moraes, L. Carvalho Jr.	6639
IMPROVEMENT OF COURSES INTERACTIVITY USING WEB AND MOBILE TECHNOLOGIES FOR INSTANT FEEDBACK M. Mocofan	6649
PERSPECTIVES ON MOOCS AS HEUTAGOGY INSTANCES N. Agonács, J.F. Matos	6655
PROGRAMMING WITH THE NATURE R. Almeida, E. Bigotte de Almeida	6665
UNDERSTANDING STUDENT'S LEARNING EXPERIENCES IN HIGHER EDUCATION A.N. Paimin, J.K. Prpic, R.G. Hadgraft, M. Alias	6670
REDESIGNING A CASE STUDY FOR THE ASSESSMENT OF ETHICAL RESPONSIBILITY A. Boza, M. Fernández-Diego, L. Cuenca, L. Ruiz	6677
NEW METHODOLOGIES APPLING BIM IN MASTER FINAL PROJECT WORKS: A PRACTICAL CASE OF A SINGLE FAMILY BUILDING J. Minguez, A. Aragón, G. Aragón, R. Herrero, J.R. Gómez, F. Cambronero, L.M. García, A.B. Espinosa	6683
ANALYSIS OF THE CONCEPT OF WASTE IN THE CURRICULUM OF SECONDARY EDUCATION AND BACCALAUREATE IN THE SPANISH LEGISLATION  J. Maestre-Jiménez, G. Martinez-Borreguero, F.L. Naranjo-Correa	6693
HOW TO ENGAGE STUDENTS AND MAKE THEM ACTIVE: EXAMPLES OF GOOD PRACTICE FROM BUSINESS ADMINISTRATION AND MANAGEMENT CLASSES L. Klimplová	6702
ART THERAPY GROUPS IN THE SCHOOL SETTING: EFFECTS IN THE REDUCTION OF AGGRESSIVENESS FOR PRESCHOOL TO UPPER ELEMENTARY CHILDREN M.L. Alonso-Borso di Carminati, A. Conchado Peiró	6710
ICT COMPETENCES AS TRANSVERSAL COMPETENCES IN THE PHARMACY DEGREE TEACHING FIELD	6715
M.E. Gil-Alegre, I.T. Molina-Martínez, P. Pastoriza-Abal, M.D. Veiga-Ochoa, M.R. Herrero-Vanrell, I. Bravo-Osuna, R. Ruiz-Caro, V. Andrés-Guerrero	
ASSESSMENT OF GENERIC COMPETENCES IN MECHANICAL ENGINEERING AND MATERIALS SCIENCE SUBJECTS: A PROPOSAL OF EVALUATION METHODOLOGIES J. Carballeira, E. Nadal, M.J. Rupérez, O. Sahuquillo, J. Dols, J. Martínez-Casas, A. Pedrosa	6724
HOW TO INCREASE ONLINE LEARNER ENGAGEMENT: EVIDENCE BASED PRACTICES THAT WORK!  A. King-Berry	6732
DIMENSIONS FOR REVITALIZING HAPPINESS IN THE CLASSROOM: INNOVATIVE SPACES IN HIGHER EDUCATION  L.M. Cerdá Suárez	6733
RELATIONSHIP BETWEEN TEACHER EFFICACY AND EMOTIONS IN TEACHER TRAINING IN TECHNOLOGY G. Martinez-Borreguero, F.L. Naranjo-Correa, J. Maestre-Jiménez	6743
MODELING AND SIMULATION OF PROCESSES IN LOGISTICS. KNOWLEDGE, PRACTICAL SKILLS AND EXPECTATIONS IN TEACHING OF STUDENTS  J. Banaś	6753
THE BLOG AS A TOOL TO INCREASE KNOWLEDGE AMONG UNIVERSITY STUDENTS  E. Carvajal-Trujillo, J.M. Cepeda Pérez, J.M. Haldón Hermoso, J.J. Acuña Pérez	6763
TRAINING ETHICAL RESPONSIBILITY AS A TRANSFERABLE SKILL IN UNDERGRADUATE STUDENTS OF BIOTECHNOLOGY  J. Cebolla-Cornejo, M. Leiva-Brondo, R.M. Peiró, A.M. Pérez-de-Castro	6772
THE NEED TO LEVEL OUT STUDENTS' KNOWLEDGE IN UNDERGRADUATES CONTEXT  B. Picó, I. Cebolla-Corneio, R. M. Peiró, M. Leiva-Brondo, A. M. Pérez-de-Castro	6779

MICROLANDSCAPE OF UNIVERSITY-INDUSTRY INTERACTIONS IN SPAIN: THE CASE OF THE ROGLE RESEARCH GROUP OF UNIVERSITAT POLITÈCNICA DE VALÈNCIA R. Castro, J.P. Garcia-Sabater	6785
DIGITAL RESOURCES FOCUSED ON IMPROVING PHARMACY STUDENTS LEARNING: ONE SUGGESTION P. Parra, R. Soto, A.X. Herrera, B. del Castillo, M.E. Gil-Alegre, P. Bermejo, M.C. Martin, S. Romero,	6791
F. Lugo AN APPROACH TO TEACH THE DESCRIPTIVE GEOMETRY COURSE WITH DIGITAL TOOLS IN ARCHITECTURAL EDUCATION M.T. Akbulut, İ.B. Daggulu	6800
INTANGIBLE FACTORS OF EDUCATIONAL EFFICIENCY AND THE CONCEPT OF SUSTAINABLE DEVELOPMENT S. T. Nikolic, J. Stankovic, P. Tumbas, P. Matkovic	6809
EDUCATIONAL GAMES AS A FORM OF PROBLEM-BASED LEARNING S. Rozhkova, V. Rozhkova, V. Lasukov, M. Chervach	6819
TEACHING AND LEARNING METHODOLOGIES FOR PRACTICAL ASSIGNMENTS APPLIED TO SMALL GROUPS OF SPANISH TOP-MARK STUDENTS  J. Azorin-Lopez, J. Garcia-Rodriguez, A. Jimeno-Morenilla, H. Mora-Mora, F. Pujol-Lopez, J.L. Sanchez-Romero, A. Fuster-Guillo, M. Saval-Calvo, A. Garcia-Garcia	6825
VIRTUAL AND PHYSICAL IMMERSION CLASSROOM FOR ENHANCED LEARNING IN THE BEHAVIOURAL AND SOCIAL SCIENCES J. Sparf, E. Petridou	6835
ASSESSING COMPETENCES IN ENGINEERING DEGREES. COMPUTER ARCHITECTURE AS A CASE OF STUDY J. Azorin-Lopez, J. Garcia-Rodriguez, F. Pujol-Lopez, H. Mora-Mora, A. Jimeno-Morenilla, J.L. Sanchez-Romero, A. Fuster-Guillo, V. Villena-Martinez, A. Garcia-Garcia	6836
THE USE OF VISUAL REPRESENTATIONS IN MATHEMATICS' CLASSES: A COMPARATIVE CASE STUDY P. Montenegro, C. Costa, B. Lopes	6845
TEACHING AND LEARNING INTERPRETATION: CONVENTIONAL ACTION IN A PROFESSIONAL CONTEXT S. Takhtarova, V. Mityagina, T. Kalegina	6853
KNOWLEDGE OF THE ACCA QUALIFICATIONS AMONG THE STUDENTS OF THE ACCREDITED POSTGRADUATE STUDIES  A. Szadziewska, J. Kujawski	6858
JOURNEYING RURALITY – INDIVIDUALS' PERSPECTIVES ON SPACE AND PLACE IN THE SCANDINAVIAN INLAND J. Sparf, L. Samor	6873
THE RELATIONSHIP BETWEEN ADVANCED NURSING SKILL ACQUISITION IN UNDERGRADUATE NURSING STUDENTS AND THEIR COMPETENCE, CONFIDENCE AND KNOWLEDGE RETENTION M. Zieber, M. Sedgwick, E. Pijl	6874
DEVELOPING STUDENTS' BUSINESS AND PROFESSIONAL COMMUNICATION SKILLS – A SYLLABUS MODEL FOR ROMANIAN TECHNICAL UNIVERSITIES D. Tanase	6883
MULTIPLE REPRESENTATIONS IN PROBLEM SOLVING WITH DIVISORS AND MULTIPLES P. Montenegro, C. Costa, B. Lopes	6884
ASSESSMENT OF BUSINESS PROCESS MATURITY IN HIGHER EDUCATION P. Matkovic, V. Pavlicevic, P. Tumbas	6891
AN EVALUATION OF KAHOOT AS AN EDUCATIONAL RESOURCE BY PRE-SERVICE TEACHERS	6899
M.E. Urrea-Solano, M.J. Hernández-Amorós	
ASSESSING STUDENT LEARNING IN COURSES TAUGHT BY FULL-TIME, ASSOCIATE, AND ADJUNCT FACULTY MEMBERS S. Castle, K. Nguyen	6909
IMPACT OF INFORMATION AND COMMUNICATION TECHNOLOGIES ON IMPROVING THE QUALITY AND EFFECTIVENESS OF THE EDUCATION PROCESS I. Binda. K. Repková Štofková	6916

LEARNING "THEORY AND METHODOLOGY OF SCIENCE" IN PROFESSIONAL EDUCATION – A CASE STUDY  A. Lagergren, K. Holmberg	6924
EDUCATING CONFERENCE INTERPRETERS IN JOINT MASTER PROGRAMME: A CASE-STUDY OF KAZAN FEDERAL UNIVERSITY S. Takhtarova, E. Mukhametshina, T. Kalegina, A. Seredina	6930
THE LEADERSHIP COMPETENCE IN NURSING STUDIES: A PRINCIPAL COMPONENTS FACTOR ANALYSIS N. Rodríguez Ávila, C. Riera Prunera	6934
TEACHING MACHINE DYNAMICS IN A VIRTUAL LABORATORY: SIMULATION OF FREE AND FORCED VIBRATIONS OF A HOMOGENEOUS BAR A. Craifaleanu, C. Dragomirescu, I.G. Craifaleanu	6943
AN E-LEARNING IMPLEMENTATION OF THE STUDY OF VIBRATIONS PRODUCED BY ECCENTRIC ROTATING MASSES A. Craifaleanu, C. Dragomirescu, I.G. Craifaleanu	6951
DOCTORAL STUDENTS SATISFACTION: WHAT IS THE ROLE OF ACADEMIC SOCIAL SUPPORT?  C. Figueiredo, M.R. Pinheiro	6958
"EMOTIONAL WELL-BEING IS KEY": EARLY CHILDHOOD TEACHERS PERCEIVED ROLE IN SUPPORTING CHILDREN AND FAMILIES UNDERGOING CRISIS M. Figueiredo, C. Lemos	6963
POSSIBILITIES OF USING E-LEARNING SYSTEM OF EDUCATION AT UNIVERSITIES  J. Štofková, S. Štofko, E. Loučanová	6965
STUDENTS FACING THE LABOUR MARKET: WHAT SHOULD THEY HAVE LEARNED? A COMPETENCE GAP ANALYSIS C. Riera Prunera, Y. Blasco Martel, A. di Paolo, L. Duque, J. López Tamayo, M. Pujol Jover	6973
IMPACT OF ALBINISM ON THE SELF-ESTEEM OF STUDENTS: A CASE STUDY OF ALBINO STUDENTS IN NIGERIAN SECONDARY SCHOOLS  U.A. Ahanonye, T.A. Omomia	6981
THE GOVERNANCE IN THE PUBLIC UNIVERSITIES: INCIDENCE OF THE STAKEHOLDERS IN THE LEVELS OF UNIVERSITY MANAGEMENT X. Peralta	6988
INSIGHTS ON CULTURE AND COMMUNICATION IN ACADEMIC SETTINGS M. Šerić	6996
TEACHING IN A FLIPPED CLASSROOM WITHIN AN ESTABLISHED MEDICAL AND GRADUATE CURRICULUM: EVALUATION OF MODALITIES  A. Myers, J. Whitney, Y. Vovides, S. Pennestri, R. Korula, S. Mulroney	7004
SOFTWARE DEVELOPMENT FROM A SOCIAL PERSPECTIVE: A METHODOLOGICAL PROPOSAL FOR THE CONSTRUCTION OF CIUDADANÍA CON SENTIDO PLATFORM M.E. Giraldo Ramirez, O. Sanchez García, J. Acevedo Pedrozo	7011
KNOWLEDGE WORKERS' PROFESSIONAL GROWTH AND PERSONALIZED LEARNING IN THE DIGITAL ERA K. Hanhisalo	7017
HOW TO SPEAK EFFICIENTLY TO A MULTICULTURAL CLASSROOM M. Šerić	7024
MENTORING EXPERIENCE OF STUDENT PRINCIPALS IN SOUTH AFRICAN SCHOOL LEADERSHIP PROGRAMME K.L. Thaba-Nkadimene, D.V. Thobejane	7032
THE MODERN PROJECT AUDIT AND PEDAGOGIC REPORT ON TOOLS FOR E- LEARNING	7038
A.I. Esparcia-Alcázar, F. Almenar, M.O. Martinez, T.E.J. Vos, C. Hamill, U. Rueda	
ENHANCING INTERNATIONAL STUDENTS' ENGAGEMENT VIA SOCIAL MEDIA – A CASE STUDY OF WECHAT AND CHINESE STUDENTS AT A UK UNIVERSITY P. Cowley, S. Sun, M. Smith	7047
SHIP IN OR OUT: TECHNOLOGY FOR INSTRUCTION, LEARNING AND ASSESSMENT IN SCHOOL LEADERSHIP TRAINING PROGRAMMES K.L. Thaba-Nkadimene, D.V. Thobejane	7058
VISUAL APPROACH AND LEARNING PROCESS MANAGEMENT A. Dadykin, V. Dibrova, I. Tahini	7062

PHYSICAL SCIENCE TEACHERS' AWARENESS OF LEARNERS' MISINTERPRETATION OF NON-TECHNICAL WORDS O.S. Akinyemi, U.A. Ahanonye	7072
E-LEARNING FRAMEWORK CREATION AND EDUCATION PARADIGM, THE CASE STUDY OF TESLA N. De Vos	7078
DRAMA IN EDUCATION FOR SUSTAINABLE DEVELOPMENT A. Gałązka	7086
DROPPING-OUT PREVENTION OF COMPUTER SCIENCE STUDENTS: DEVELOPING STUDYING, THINKING, AND SOFT SKILLS AMONG STUDENTS USING TRAINING PROGRAMS  R. Takacs, Z. Horvath	7094
TEACHING MODAL ANALYSIS: A CHALLENGE USING VIRTUAL LABS AND EXPERIMENTAL TECHNIQUES M. Lazaro, I. Ferrer	7100
THEORY U APPLIED TO INNOVATION IN THE FEDERAL INSTITUTE OF EDUCATION, SCIENCE AND TECHNOLOGY  J.A. Avelino Leão, E. Negreiros Peixoto, F. São Pedro Filho, J. Moreira da Silva Neto, U. Tiburtino Leite, M.J. Aguilar Madeira	7106
THE USE OF PEER-ASSESSMENT TO IMPROVE THE EVALUATION OF GENERIC COMPETENCES IN SUBJECTS RELATED TO MECHANICAL ENGINEERING J. Carballeira, A. Rovira, J.L. Suñer, P. Vila, F.D. Denia, J.J. Ródenas, M. Tur	7115
VISUAL MODELS OF COMMUNICATION AND LANGUAGE A. Dadykin, V. Dibrova, I. Tahini	7124
AN ALTERNATIVE APPROACH TO THE DEVELOPMENT OF UNIVERSITY CURRICULAR DESIGN J.I. Peláez, A.M. Casado, F.E. Cabera	7133
CREATING QUALIFIED PROFESSIONALS THROUGH QUALITY EDUCATIONAL SYSTEMS  J. Bilbao, C. Feniser, O. Garcia, C. Rebollar, E. Bravo, C. Varela	7141
INVESTIGATING THE IMPACT OF ONLINE DISCUSSION FORUMS ON ENHANCING USERS' COMPUTER PROGRAMMING SKILLS R. Faizi, S. El Fkihi, A. El Afia	7150
USING ONLINE TRAINING WITH SERIOUS GAMES/VIRTUAL REALITY FOR SAFETY TRAINING IN THE CONSTRUCTION SECTOR S. Bokary, T. Connolly, P. Bennett, M. De Vries, J. Lawrie, N. Wilson	7156
INFORMATION TECHNOLOGIES IN MASTER-LEVEL SUBJECTS: A PRACTICAL APPROACH M.I. López Rodríguez, D.G. Palací López, J. Palací López	7167
IMPACT OF THE ELECTRONIC VOTING SYSTEM IN GRADUATE SCHOOL M.I. López Rodríguez, J. Palací López, D.G. Palací López	7173
EARLY CHILDHOOD TEACHERS' PERSPECTIVES OF EPORTFOLIOS AS TOOLS FOR CHILDREN'S EVALUATION AND FAMILY INVOLVEMENT M. Figueiredo, F. Ribau, B. Rego	7179
STUDENTS 2.0 AND TEACHERS 1.0: WHO IS TO BLAME? R. Faizi, R. Chiheb	7183
LOOK&SPEAK UP TO ICF (INTERNATIONAL CLASSIFICATION OF FUNCTIONING, DISABILITY AND HEALTH) AN INTERDISCIPLINARY QUALITATIVE RESEARCH ON INCLUSIVE LEARNING EFFECTIVENESS OF EYE TRACKING SYSTEMS FOR PUPILS WITH SPECIAL NEEDS, IN VENETO, ACCORDING TO ICF PERSPECTIVE C. Girelli, B. Brugnoli, L. Berzacola, F. Altafini	7187
PROSPECTIVE MATHEMATICS TEACHERS' BELIEFS AND TPACK FOR TEACHING STATISTICS A. Henriques, L. Gutiérrez-Fallas	7194
HARMONIZED MASTER PROGRAMS FOR FOSTERING EXTRA IN-DEMAND COMPETENCES M. Chervach, Y. Pokholkov, K. Tolkacheva	7204
STUDENT RESEARCH PROJECT ON PHYSICAL SIMULATIONS IN UNITY3D GAME ENGINE M. Buszewicz, M. Plechawska-Wojcik	7209

TOWARDS THE APPLICATION OF VIRTUAL REALITY TECHNOLOGIES FOR THE TRAINING ON MAJOR CONSTRUCTION SITES  N. Mencke, A. Winge, P.A. Lombardi	7215
COMPARATIVE ANALYSIS OF CSS LIBRARIES IN THE CONTEXT OF RESPONSIVE TEMPLATES DESIGNING - STUDENT RESEARCH PROJECT P. Muszkiewicz, M. Plechawska-Wojcik	7221
STUDENT GENERATED GLOSSARY FOR PHYSICAL THERAPY STUDENTS J. Casaña Granell, M. Zarzoso Muñoz, Y. Ezzatvar de Llago, J. Benítez Martínez, E. Marqués-Sulé, G.V. Espí-López	7229
EVALUATION OF A PROFESSIONAL PROGRAM DELIVERED THROUGH INTERACTIVE TELEVISION TECHNOLOGY: IMPORTANCE OF FORMATIVE AND SUMMATIVE EVALUATION  T. Bacon-Baguley, M. Reinhold	7233
ICT IN MATHEMATICS AT ELEMENTARY SCHOOLS IN CHINA AND CZECH REPUBLIC D. Nocar, Q. Tang, J. Laitochová, K. Bártek, T. Zdráhal, R. Dofková	7234
INCREASING DIVERSITY IN NANOSCIENCE EDUCATION M. Claville, S. Babu, B. Parker	7243
ONLINE VIDEO TUTORIAL REPOSITORY FOR PHYSICAL THERAPY STUDENTS Y. Ezzatvar de Llago, J. Casaña Granell, M. Zarzoso Muñoz, J. Benítez Martínez, S. Pérez Alenda, G.V. Espí-López	7252
SERVICE-LEARNING VERSUS TRADITIONAL INSTRUCTIONAL METHODS: WHICH MOTIVATES STUDENTS MORE? M. Ciesielkiewicz, G. Nocito Muñoz	7255
DESIGN OF A PEDAGOGICAL MODEL OF DISTANCE LEARNING FOR THE CONTINUOUS TRAINING OF MAGISTRATES: THE HYBRID AS A SOLUTION J. Matos Caldeira, N. Pedro	7259
AFFORDANCES AND CHALLENGES OF THE USE OF TECHNOLOGY TO CREATE DIGITAL MATHEMATICS STORYBOOKS  H. Wessels	7269
ENGINEERING TECHNICAL PROJECTS LEARNING BASED ON GREEN BUILDING M.I. Jiménez, D. Rodríguez	7270
THE USE OF MOBILE APPLICATIONS IN HIGHER EDUCATION: PREVALENCE AND PERSPECTIVES – THE UNIVERSITY OF AVEIRO CASE D. Oliveira, L. Pedro, C. Santos	7278
HIGHER EDUCATION AND THE PROBLEM OF ABANDONMENT – HOW CAN WE KEEP STUDENTS FROM LEAVING?  M. Au-Yong-Oliveira, A. Vitória, C. Silva, V. Carlos, V. Moutinho, G. Moreira, G. Paiva Dias	7288
ODONTOLOGICAL HUMAN RESOURCES POPULATION FOR RESEARCH IN MEXICO D. Serrato-Ochoa, A. Aguilera-Méndez, R. Nieto-Aguilar	7299
MATHSCRATCH - BRINGING PROGRAMMING AND MATHEMATICAL SKILLS INTO HIGHER EDUCATION  E. Bigotte de Almeida, A. Gomes, F. Correia, R. Almeida	7304
ADAPTING TEACHING-LEARNING PROCESS OF TECHNICAL PROJECTS DEVELOPMENT FOR FOREIGN STUDENTS M.I. Jiménez	7311
USING A SIMULATION ENTERPRISE GAME TO DEVELOP IMPORTANT ABILITIES IN ACCOUNTING STUDENTS OF A BRAZILIAN HIGHER EDUCATION INSTITUTION S. Durso, L. Reginato, E. Cornacchione	7317
IPR KNOWLEDGE, AWARENESS AND STUDENTS' BEHAVIOR - EMPIRICAL ANALYSIS AND POLICY RECOMMENDATIONS M. Nacka, K. Popova, N. Georgiev, J. Dabovic-Anastasovska	7327
<b>DEVELOPMENT OF A CARDIAC AUSCULTATION SERIOUS GAME APP</b> S. Prada, A.J. Uribe Quevedo, N. Jaimes, B. Kapralos	7334
MOOCS IN ABDELMALEK ESSAADI UNIVERSITY: BEGINNING OF A NEW ERA IN E- LEARNING Y. Jdidou, M. Khaldi, S. Aammou, K. El Bakkari	7341
DEVELOPMENT OF A SMARTPHONE AUGMENTED REALITY EYE EXAMINATION TOOL  D. Acosta, A. I. Uribe Quenedo, N. Iaimes, B. Kanralos	7347

DESIGNING LEARNING ACTIVITIES TO MATCH STUDENT LEARNING STYLES T. Orten Tugrul	7352
ROAD TO REDEMPTION: PROMOTING EMOTIONAL RESILIENCE IN PRE-SERVICE COMPUTER SCIENCE TEACHERS A. Bailey	7356
FOSTERING GLOBAL COMPETENCE AND CROSS-CULTURAL COMMUNICATION USING 21ST CENTURY TOOLS: A U.S. AND ISRAELI COLLABORATION N. Haughton, M. Schödl	7362
EDUCATIONAL VIDEO GAMES TO STRENGTHEN HEALTHY NUTRITION HABITS IN CHILEAN PRIMARY EDUCATION STUDENTS M.G. Badilla Quintana	7370
AN INTEGRATED APPROACH TO THE STUDY OF NEUROPHYSIOLOGICAL AND PSYCHOLOGICAL CHARACTERISTICS OF CHILDREN WITH DISORDER OF SPEECH DEVELOPMENT IN THE COURSE OF CORRECTIONAL AND EDUCATIONAL PROCESS M.A. Muratova, G.V. Karantysh, M.L. Skuratovskaya, E.A. Klimkina	7371
EFFICACY OF ONLINE VS. FACE-TO-FACE CREDIT RECOVERY COURSES FOR HELPING AT-RISK NINTH-GRADE STUDENTS IN THE UNITED STATES GET BACK ON TRACK	7375
N. Sorensen, J. Heppen, E. Allensworth, J. Walters, J. Rickles, S. Stachel Taylor, V. Michelman  MOVING UP THE LEARNING CURVE: PREPARING NEXT GENERATION EDUCATORS FOR THE NEXT GENERATION HIGHER EDUCATION CLASSROOM Z. Charlesworth, N. Sarrasin	7376
INNOVATIVE EDUCATIONAL PROGRAM AIMED AT DEVELOPING CREATIVITY OF PRESCHOOL AGE CHILDREN V. Hornáčková	7380
CURRICULAR INTERNSHIPS AS AN APPROACH PILLAR BETWEEN FIRMS AND UNIVERSITIES: THE 3X3 SOLUTION ADOPTED IN RETAIL MANAGEMENT D. Magueta, I. Dimas, M. Pimpão, M.J. Felício, S. Estrela	7386
DEVELOPMENT AND IMPLEMENTATION OF THE E-CARE PORTAL HEALTH EDUCATION FOR HYPERTENSION G.M. Guerra, C.L. Wen, R. Acciarito Motta, M. M.S. Vieira, I. Ribeiro Braga Fistarol, J.C. de Oliveira, L. Aparecido Bortolotto	7392
STUDENT PERCEPTION OF TECHNOLOGY USABILITY WITHIN A CO-CURRICULAR TRAINING PROGRAM M. Cassagnol, Y. Zhang, G. Robinson, P. Desmarais, J. Conry	7404
A PIONEERING PARTNERSHIP FOR THE DEVELOPMENT OF AN UNDERGRADUATE MANAGEMENT PROGRAM IN PORTUGAL D. Magueta, G. Paiva Dias, M. Pimpão, M.J. Felício, S. Estrela	7413
COMMUNITIES OF PRACTICE IN A BRAZILIAN SIGN LANGUAGE GLOSSARY: DESIGN OF AN ONLINE SYSTEM STRONGLY INTEGRATED WITH SOCIAL MEDIA B.P. Velloso, P. Bubniak, L. Moraes, D. Scandolara, S. Figueiredo	7423
THE LIGHTBOARD, A TEACHING TOOL: IMPLICATIONS ON TEACHING ONLINE AND FLIPPED CLASSROOMS S. Koc, J. Goodell	7430
CHANGE IN THE PERCEPTION OF MEDICAL STUDENTS ABOUT THE USEFULNESS AND IMPORTANCE OF SOCIAL MEDIA IN THEIR TRAINING AND THEIR FUTURE WORK AFTER RECEIVING A SPECIALIZED TRAINING COURSE R. Reolid, M. Galán de Juana, J. González-Rubio, R. Ramírez-Vázquez, P. Gómez, P. Suárez, A. Beléndez, E. Arribas Garde, F.J. Escobar-Rabadan, A. Najera	7431
INTERFACE DESIGN AND ACCESSIBILITY L. Moraes, D. Scandolara, B.P. Velloso, F. Bubniak, S. Figueiredo	7439
ENHANCING STUDENT ENGAGEMENT AND LEARNING OUTCOMES VIA INTERACTIVE MAPS FOR SUSTAINABILITY EDUCATION  J. Shi, K. Pekarchik, T.C. Franke-Dvorak, S.E. Nokes	7445
INTERCULTURALITY AS A SCOPE OF SOCIAL EDUCATION: EVALUATION OF THE INTERCULTURAL CONCERNS IN A SAMPLE OF PORTUGUESE UNIVERSITY STUDENTS  M.R. Pinheiro	7446
HIGHER-ORDER COGNITIVE SKILLS DEVELOPMENT AND RETENTION IN CELL BIOLOGY: WHAT WORKS AND WHAT DOESN'T?  E. Chamoux, S. Anvar	7454

LEARNING AND TEACHING METHODOLOGIES AND MULTIMEDIA IN DISTANCE STUDY PROGRAMME	7455
D. Prokin, V. Petrović, S. Štrbac-Savić, S. Denić, A. Miletić	
RAPID CYCLE STUDIES FOR EDUCATIONAL TECHNOLOGY RESEARCH & DEVELOPMENT  J. Heppen, A. Kurki, S. Brown, R. Williams, N. Sorensen	7465
FOSTERING INTEREST AND LEARNING IN INTRODUCTORY BIOLOGY STUDENTS WITH AN ECOLOGY AND EVOLUTION VIDEO GAME K. Pigford, M. Ferzli, B. Black	7466
PREPARING TEACHERS FOR THE USE OF MOBILE TECHNOLOGIES GROUNDED IN RESEARCH AND BEST PRACTICE S. Koc	7476
ACADEMIC NETWORK TANGIBILIZING UNIVERSITY LEGACY C. Motta, C. Oliveira, M. Bomfim, M. Cardoso	7477
USER-FRIENDLY DESIGN AND ITS IMPACT ON PRODUCTIVITY W. Arshad, A. Khaliq, A. Hasan Qurashi, H. Khan	7487
INTEGRATING A MOOC IN A JAPANESE UNIVERSITY CURRICULUM WITH A FLIPPED CLASSROOM APPROACH: A CASE STUDY S. Sekiguchi, N. Tanaka-Ellis	7493
IDENTIFYING THE CHARACTERISTICS OF EFFECTIVE INSTRUCTORS: WHAT DO STUDENTS SAY?  M. Carver, L. Rapp-McCall, D. Bell, J. Holcomb	7497
ENTREPRENEURIAL CHARACTERISTICS IN CENTRAL AMERICAN POSTGRADUATE STUDENTS  E.J. Morales-Fernández, A. Zuñiga-Fonseca, C.R. García-Alonso	7503
INSTRUCTIONAL SCAFFOLDING IN A UNIVERSITY EFL COURSE IN JAPAN: TOWARD THE INVESTIGATION OF STUDENTS' FLOW IN A CLASSROOM M. Kondo, T. Nozawa, H. Jeong, S. Ikeda, K. Sakaki, R. Kawashima, R. Yamamoto, Y. Ishikawa	7521
SPEECH RECOGNITION AND SYNTHESIS AS AN ONLINE LEARNING TOOL: CHALLENGES AND POSSIBILITIES G. Ross	7529
REFLECTING ON MY STUDENTS' PERCEPTIONS IN THE IMPLEMENTATION OF FLIPPED CLASSROOM ACTIVITIES AND ITS EFFECTIVENESS O. Moreira	7539
DEVELOPMENT AND USE OF A WEB-BASED APPLICATION FOR SMARTPHONES: FOSTERING OUTSIDE-OF-CLASS COLLABORATIVE LEARNING IN A UNIVERSITY EFL FLIPPED LEARNING COURSE	7548
Y. Ishikawa, A. Suto, T. Hirano, M. Murakami, Y. Tsubota, C. Smith, M. Kondo, K. Nishiyama, M. Tsuda	
BUILDING A CORPUS OF SCIENCE AND ENGINEERING LECTURES DELIVERED IN ENGLISH AND IN JAPANESE TO IDENTIFY CULTURAL DIFFERENCES N. Kunioshi, J. Noguchi, K. Tojo	7559
THE ROLE AND IMPORTANCE OF COMPUTER GAMES IN EDUCATION M. Jancheski	7564
LEADERSHIP IN HEALTHCARE ORGANIZATIONS B. Freund	7574
HEALTH EDUCATION IN POLAND R. Dorczak, B. Freund	7582
THINK TANK GROUPS AND UNIVERSITY CHANGE IN ECUADOR D. Sucozhanay, M. Lema, L. Sigüenza-Guzman	7587
SOFTENING THE BLOW: MANAGING DEADLINES IN ONLINE COURSES A. Johnson, P. Ruthven-Stuart, A. Smith	7596
OPENING A NEW CHAPTER IN MUSIC HIGH EDUCATION. THE DEBATE ABOUT AUDIO-VISUAL MUSIC MASSIVELY BROADCASTED A. Porta	7605
A CRITICAL ANALYSIS OF LEARNER SUPPORT MODELS IN MOOCS: A LITERATURE REVIEW  J.C. Fajardo	7612

CASE STUDY OF SERIOUS GAME BASED SOLUTIONS FOR THE DEVELOPMENT OF CURRICULAR AND EXTRACURRICULAR COMPETENCES AT THE FACULTY OF ENGINEERING IN FOREIGN LANGUAGES  I.C. Mustata	7613
INNOVATIVE EXPERIENCES IN STEM EDUCATION E. Sparrow, C. Keill, C. Breest, T. Clucas, T. Moran	7619
LEADERSHIP DEVELOPMENT THROUGH THE LENS OF SOCIAL JUSTICE AND INCLUSION I. Mijares, K. Thee	7629
A MULTICENTER STUDY ON AUGMENTED REALITY IN TECHNICAL EDUCATION: KNOWLEDGE AND INTEREST A.V. Tebeanu, T.D. Chicioreanu, C.G. Amza, G.F. Macarie	7638
INTERACTION IN DISTANCE EDUCATION M. Jancheski	7643
REQUIREMENTS AND SOLUTIONS FOR THE DEVELOPMENT OF CURRICULAR AND EXTRACURRICULAR COMPETENCES AT THE FACULTY OF ENGINEERING IN FOREIGN LANGUAGES  I.C. Mustata, I.B. Pavaloiu, R.I. Guica, E.L. Trifan, A.M. Neagu	7653
PROMOTING AUTONOMOUS WORK OF STUDENTS WITH THE MILAGE LEARN+ APP	7660
M. Figueiredo, J. Bidarra, A. González-Pérez, B.J. Godejord	
LANGUAGE OF TEACHING AND LEARNING IN THE FOUNDATION AND INTERMEDIATE PHASES: A CASE OF A PRIMARY SCHOOL IN LIMPOPO PROVINCE, SOUTH AFRICA  D.V. Thobejane, K.L. Thaba-Nkadimene	7668
INNOVATION IN SECONDARY SCHOOL THROUGH THE DESIGN OF EDUCATIONAL VIDEOS AND THE USE OF AUGMENTED REALITY  A. Garzón, A. Galindo, A. Galindo-Durán	7673
FROM WORK INTEGRATED LEARNING (WIL) TO WIL-ELEMENT A. Ahmadi	7679
SIGNIFICANT LEARNING WITH CONCEPTUAL MAPS AND NETWORKS IN TEACHER TRAINING A. Garzón, J.M. Rodríguez, A. Posadas	7686
A COMPREHENSIVE DATA MINING FRAMEWORK USED TO EXTRACT ACADEMIC ADVISING KNOWLEDGE FROM SOCIAL MEDIA DATA H. Brdesee, A. Madbouly, A.Y. Noaman, A.H. Ragab	7691
ASSESSING THE ELECTRONIC ACADEMIC ADVISING SUCCESS: AN EVALUATION STUDY OF ADVISORS SATISFACTION IN HIGHER EDUCATION A.Y. Noaman, A. Madbouly, H. Brdesee, F. Fouad	7701
PROMOTING QUALITY TEACHING AND LEARNING IN SOUTH AFRICAN SCHOOLS: TEACHERS' REFLECTIONS ON THEIR PSYCHOLOGICAL NEEDS D.V. Thobejane, K.L. Thaba-Nkadimene	7710
A CASE OF STIMULATING THE PASSION FOR LEARNING THROUGH TRANSDISCIPLINARY USING WEB3D TECHNOLOGIES AT K-12 LEVELS J. Franco	7716
THE IMPACT OF INTRODUCING ACTIVE LEARNING INTO AN INTRODUCTORY ACCOUNTING COURSE S. Culhane, T. O'Mahony	7727
BRIDGING THE DIGITAL DIVIDE THROUGH PARTICIPATORY ACTION RESEARCH AND INCLUSIVE COMMUNICATION SYSTEMS S. Pailla, K. Venter	7736
TEACHING INFOGRAPHICS USING MASSIVE OPEN ONLINE COURSE (MOOC) Y. Jdidou, M. Khaldi, S. Aammou, K. El Bakkari	7746
THEORY OF INVENTIVE PROBLEM SOLVING AND PROSPECTS OF ENGINEERING EDUCATION V. Likholetov, S. Aliukov	7747
EFFECTIVE ELECTIVES: FORMING A CAREER PATH FOR GRADUATES OF BUILT-ENVIRONMENT DESIGN PROGRAMS  A.M. Soliman, H. El Marsafawy	7753
DIDACTICAL OPPORTUNITIES OF TEACHING SYSTEM ANALYSIS AND THEORY OF INVENTIVE PROBLEM SOLVING V. Likholetov, S. Aliukov, E. Godlevskaya	7763

THE EFFECTIVENESS OF THE SA-RSI PROGRAM IN PROMOTING THE DEVELOPMENT OF HIGHER-ORDER THINKING SKILLS WITHIN A SAMPLE OF TALENTED STUDENTS ENROLLED IN SECONDARY SCHOOLS IN SAUDI ARABIA A.K. Hamdan Alghamdi, N. Abdulsalam Hassan	7771
A MOTIVATED STUDENT IS A PRODUCTIVE LEARNER P. Fabre Merchan, J. Boroto Carrasco	7772
AN ELECTRONIC STUDENTS ATTENDANCE SYSTEM USING INDOOR POSITIONING AND MOBILE APPS TECHNOLOGIES  W. Alsaggaf, K. Asad, N. Algrigri, F. Alsaedi, H. Brdesee	7781
LIVE SHARING OF MULTI-HEADER MICROSCOPE PATHOLOGY EDUCATION SESSIONS BETWEEN METROPOLITAN AND REGIONAL CENTRES K. Robinson, S. Gorringe	7789
TWO TYPES OF E-COLLABORATION (GUIDED - UNGUIDED) AND THEIR EFFECT ON DEVELOPING KINESTHETIC LITERACY AMONG STUDENTS IN THE COLLEGE OF BASIC EDUCATION IN KUWAIT  M. Abohadeeda, A. Alagab, H. Abdulaziz	7795
DEVELOPING A BLENDED LEARNING ENVIRONMENT BASED ON "HANDS-ON MINDS-ON" STRATEGY AND ITS IMPACT ON DEVELOPING SCIENTIFIC CONCEPTS AMONG KINDERGARTEN CHILDREN IN KUWAIT  A. Khaled Alafian, H. Ahmed Abdelaziz, A. Mohammed Alajab	7805
CASCADE TRAINING OF PERSONNEL IN A CORPORATE UNIVERSITY I. Rezanovich, S. Aliukov	7816
THE USAGE OF A LEARNING MANAGEMENT SYSTEM IN AN EFL CLASSROOM N. Al Behairi	7824
ENABLING MICROGENETIC DEVELOPMENT USING SKYPE AS A VIRTUAL PROFESSIONAL DEVELOPMENT TOOL FOR PRE-SERVICE TEACHERS SEEKING ESOL ENDORSEMENT R. Blankenship	7825
ARE DIGITAL NATIVES REAL? EXPLORING THE MYTHS AND REALITIES OF THE DIGITAL NATIVE EXISTENCE R. Blankenship	7826
DETERMINANTS OF THE DECISION TO CONTINUE THE STUDIES BY CATALAN UNIVERSITY GRADUATES. AN EMPIRICAL STUDY ON THE INFLUENCE OF GEOGRAPHICAL MOBILITY, EDUCATIONAL BACKGROUND AND ACADEMIC PERFORMANCE S. Fachelli, L. Medir	7827
ORACLE ACADEMY, BE READY FOR THE WORK OF THE FUTURE T. Mateo, D. Gooris	7828
ORACLE ACADEMY, PREPARE YOUR FUTURE CAREER T. Mateo, D. Gooris	7829
LECTURES ATTENDANCE AS A PREDICTING VARIABLE OF ACADEMIC ACHIEVEMENTS OF STUDENTS N. Xhomara	7830
CORRELATION BETWEEN SCORES IN PBL SESSIONS WITH THOSE IN PBL EXAMS, MULTIPLE-CHOICE TESTS, AND THE FINAL QUALIFICATION, IN FIRST-YEAR MEDICAL STUDENTS TAKING AN INTEGRATIVE BIOLOGY MODULE M. Vergés	7841
THEORETICAL MODELS EXPLAINING PROBLEMATIC INTERNET USE: A SYSTEMATIC REVIEW E. Melonashi	7849
ROLE PLAYING GAMES IS A USEFUL TOOL TO LEARN AND TEACH CURRENT LEGAL REGULATION AND BIOSAFETY OF BIOTECHNOLOGY TO UNDERGRADUATE STUDENTS	7859
J.M. Becerril, I. Beguiristain, D. Docampo, A. Galarza, L. Gandarias-Albaina, D. Gonzalez, A. Palacios, S. Porras, E. Suarez, I. Terren, P. Ugarte, A. Hernandez	
IS THERE SUCH A CONCEPT AS GEOLOGICAL PATIENCE?  J. Trowbridge	7869
EFFECT OF OFFERING STUDENTS MORE THAN ONE CHANCE IN THE QUIZ ON THEIR PERFORMANCE Z. Salem	7872

INFLUENCE OF LEADERSHIP ORCHESTRATION ON E-READINESS ACCESSION IN HIGHER EDUCATION INSTITUTIONS IN KENYA M. Kiula, E. Waiganjo, J. Kihoro	7880
LITERACY IMPROVEMENT IN EARLY LEARNERS USING TECHNOLOGY H. Shamir, K. Feehan, E. Yoder	7889
USING COMPUTER-ASSISTED INSTRUCTION TO IMPROVE EARLY LITERACY SKILLS FOR STRUGGLING STUDENTS H. Shamir, K. Feehan, E. Yoder	7897
ONLINE HIGH STAKES ASSESSMENT: A TENTATIVE FIRST STEP C. Dawson	7904
REDESIGNING CLASSROOMS FOR THE FUTURE: GATHERING INPUTS FROM STUDENTS, TEACHERS AND DESIGNERS N. Pedro, P. Baeta, A. Paio, A. Pedro, J.F. Matos	7908
REDESIGNING THE INITIAL TEACHERS' EDUCATION PRACTICES: PROJECT FTE- LAB J.F. Matos, N. Pedro, A. Pedro	7918
KEY CONSIDERATIONS FOR INDUSTRY GRADUATE DEGREE PROGRAMS M. Shaikh, S. Shaikh, G. Hawat	7926
<b>EXAMINING THE USE OF SELF-ASSESSMENTS IN MOOCS THROUGH A/B TESTING</b> <i>L. Winchester, Y. Vovides</i>	7931
MULTI-CRITERIA APPROACH TO DEVELOPMENT OF EDUCATIONAL MASTER'S ENERGY-SAVING PROGRAMS IN THE POST CARBON ENERGY S. Aliukov, N. Topuzov, A. Alabugin	7937
EMPOWERING LEARNERS IN THE EFL CLASSROOM: THE USE OF DIGITAL IDENTITY TEXTS  M.D. García-Pastor	7943
HOW TO EDUCATE MANAGERS TO SUPPORT KNOWLEDGE SHARING IN THEIR COMPANIES?  P. Benyahya	7944
TEACHING NETWORKING BASICS - AN ABSTRACT VIEW ON OSI LAYERS M. Brickmann, M. Knoll	7954
HOW TO TRANSFER PHYSICAL ARTWORK INTO DIGITAL ENVIRONMENTS - AND BACK M. Knoll, M. Brickmann	7961
LECTURE, FLIP, INTEGRATE, AND FOCUS: A CASE STUDY ON STEPWISE TRANSFORMATION OF AN INDUSTRIAL NETWORKING COURSE FROM LECTURING TO INTEGRATED TEAM LEARNING  K. Björn	7966
VIRTUAL REALITY AND MULTIMEDIA STREAMING FOR RICH EDUCATIONAL APPLICATIONS M. Lekova, P. Armyanov	7975
THE ROLE OF AFRICAN MASSIVE OPEN ONLINE COURSES (MOOCS) IN SUPPORTING THE MOST MARGINALIZED  T. Adam	7980
EFFECTS OF CONVERSION FROM O/A LEVEL TO INTERMEDIATE STREAM IN PAKISTAN: A CASE STUDY N. Fardows, S. Nayer, S. Jaffar, R. Mariam	7991
TEACHING FOR QUALITY LEARNING; QUALITY ASSURANCE THROUGH QUALITY ENHANCEMENT: AN EXPERIENCE N. Fardows, S. Nayer, S. Jaffar, R. Mariam	8000
PEDAGOGY OF HOPE AS AN ELEMENT IN THE BRICOLAGE OF BUILDING RURAL COMMUNITIES  F. Nieuwenhuis	8008
LEARNING INTEGRATION-WORK THROUGH TRANSNATIONAL, DIGITALIZED COURSES T. Winman	8018
MAINTENANCE OF PUBLIC SECONDARY SCHOOL BUILDINGS: USERS' PRACTICES IN NIGERIA O. Izobo-Martins, A. Olotuah, E. Adeyemi, E. Ayo-Vaughan	8019

E-TUTORSHIP AND DUAL-CAREER OF STUDENT-ATHLETES: A PEDAGOGICAL CONCEPTUALIZATION FROM THE RESULTS OF AN ITALIAN CASE STUDY E. Isidori, A. Sánchez Pato, A. Decelis	8028
THE IMPACT OF GOAL SETTING ON UNIVERSITY STUDENTS' FOREIGN LANGUAGE LEARNING AS A MEANS OF PROFESSIONAL AND BUSINESS COMMUNICATION N. Guslyakova, A. Guslyakova	8038
EXPERIENCE AND OBSERVATIONS OF WEB-BASED COLLABORATIVE LEARNING IN A SOFTWARE SECURITY COURSE X. Yuan, I. Williams, L. Simpkins, J.H. Kim	8045
DATA ANALYSIS AND LEARNING ANALYTICS FOR MEASURE EFFECTS OF GAMIFICATION IN A MATH ONLINE PROJECT A.P. Lopes, L. Babo, J. Azevedo, C. Torres	8052
EXPERT SYSTEM AS A SUPPORT IN THE LEARNING OF MATHEMATICS E.F. Ruiz-Ledesma, L. Chavarría-Báez, N. Ocotitla-Rojas	8063
SOCIAL IMPACT THROUGH GLOBAL CO-CREATION G. Wadhwa	8071
STUDENT VENTURE CAPITAL PROGRAM—ANALYSIS, LEARNING AND IMPLICATIONS G. Wadhwa	8072
SUPPLY CHAIN PROCESSES – A SERIOUS BUSINESS SIMULATION GAME M. Miłosz, E. Milosz	8080
WHAT DO EMPLOYERS DEMAND FROM NEW GRADUATES? THE USE OF THE RESEARCH LABORATORY FOR THE THEORY-TO-PRACTISE TRANSITION M.C. Serna Moreno	8090
PLAYING WITH PROLOG M. Montebello	8095
DIAGNOSTIC TOOL FOR MOBILE LEARNING PROCESSES S. Janhonen	8105
EXPLORING THE APPLICATION OF HYBRID TEACHING/LEARNING METHOD IN INTERACTION DESIGN CLASS H. Ayanoglu	8113
MODIFYING STUDENT LEARNING BEHAVIOR BY PEER-ASSESSMENT IN E- PORTFOLIO-BASED LEARNING A. Ito, Y. Morimoto, T. Kitazawa, Y. Miyadera	8120
INTEGRATION OF KNOWLEDGE: A NEGLECTED APPROACH IN TEACHING LIFE SCIENCES?  K. Booi	8129
MIXOLOGY, COOKOLOGY AND MOLECULAR BIOLOGY: A NEW PROJECT IN THE FRAME OF THE ITALIAN SCHOOL-WORK EXPERIENCE R. del Gaudio	8136
SMART TECHNOLOGIES IN EDUCATION AS DIDACTIC RESOURCES FROM THE VIEW OF STUDENT TEACHERS M. Skutil, M. Maněnová, M. Faberová	8137
DOCENDO DISCIMUS: HOW TO MAKE A TEAM TO REALIZE A VIRTUOUS IMAGE AND A SUCCESSFUL COMMUNICATION ON THE CORNERSTONE OF MOLECULAR BIOLOGY. THE PCR AND ITS MODERN APPLICATIONS  R. del Gaudio	8143
FLIPPING ADVICE FOR YOUR FIRST CLASS OR LESSON: WHAT I HAVE LEARNED FLIPPING UNDERGRADUATE MATH & STATS CLASSES C. McBride	8144
COMPARING EFFECTIVE TEACHER INDUCTION PROGRAM COMPONENTS AND RETENTION RATES  C. McBride	8151
DEVELOPMENT OF RECTIFIER CIRCUIT EXPERIMENT SET USING COMPUTER INTERFACE WITH ET-EASY168 STAMP P. Musik, A. Khankheaw, O. Toh-Lee	8161
GUIDING EXERCISES TO LEARN PROBABILITY: APPES PROB J.E. Ruiz-Castro, A.M. Aguilera del Pino, F.J. Alonso-Morales, J. García-Montero, R. Raya-Miranda	8171
THE IMPACT OF CO-CURRICULAR ACTIVITIES ON HEALTH SERVICES ADMINISTRATION STUDENTS I Troppers-Bell	8174

DEVELOPING A CLASSROOM TRANSFER ACTIVITY FOR A DIGITAL GAME-BASED LEARNING ENVIRONMENT J. Nietfeld, E. Vladimirova	8179
HOW TO FOLLOW MODERN TRENDS IN COURSES IN "DATABASES" - INTRODUCTION OF DATA MINING TECHNIQUES BY EXAMPLE D. Orozova, M. Todorova	8186
VERIFICATION AND SYNTHESIS OF PROGRAMS IN INTRODUCTORY COURSES IN FUNCTIONAL PROGRAMMING M. Todorova, D. Orozova	8195
MITIGATING ACADEMIC DISHONESTY IN HIGHER EDUCATION: ACADEMIC INTEGRITY INTEGRATION METHODOLOGY (AIIM) FOR RESEARCH PAPERS K. Leftheriotis, A. Triantafyllidis, E. Varouhas, G. Vranopoulos, M. Tsoli	8204
INFLUENCE OF INTERNET USE ON THE QUALITY OF SLEEP OF UNIVERSITY STUDENTS  A. Gonçalves, L. Cabral, M. Ferreira, E. Coutinho, J. Duarte	8213
STEM TEACHERS IN ADVANCED RESIDENCY (STAR): A CUTTING-EDGE TEACHER RESIDENCY PROGRAM K. Hamdan, A. Normore	8219
"TRANSITION-TO-TEACHING" LAB SCHOOL (TTT): AN INNOVATIVE INITIATIVE FOR HIGH NEEDS URBAN SCHOOLS A. Normore, K. Hamdan	8220
SOCIAL PROGRAMS TO IMPROVE THE QUALITY OF EDUCATION AND INCREASE SOCIAL CAPABILITIES AND DEVELOPMENT. THE CASE OF THE PROGRAM FOR DIGITAL CONNECTIVITY AT SCHOOLS, "DIGITAL CLASSROOM" OF MEXICO CITY, 2012  M. Carrillo-Huerta	8221
DIGITAL LITERACY LEVEL OF THAI HIGHER EDUCATION'S STUDENTS K. Tuamsuk	8228
THE RELATIONSHIP BETWEEN THE STYLES OF THOUGHT AND THE LEVEL OF ADJUSTMENT OF INTERNATIONAL STUDENTS IN ANDALUSIA F.B. Martín-Garrido, E.J. Morales-Fernández, C. Vance, C.R. García-Alonso	8238
PLAY FOR PROFESSIONAL DEVELOPMENT Y. Kunter, M. Macintyre, A. Macintyre, C. Martin	8256
IMPACT OF THE EDULAB MODEL ON THE TEACHING STRATEGIES A. Oliveira, L. Pombo	8257
THE ETHICS OF EDUCATION AND ITS FUNCTION WITHIN VIRTUAL LEARNING ENVIRONMENTS E. Isidori, M. Cacchiarelli	8267
PROMOTING REFLECTION AND REFLECTIVE PRACTICE IN A PRIMARY TEACHER PREPARATION DEGREE PROGRAMME: THE LEARNING JOURNEY C. Mulryan-Kyne	8275
COMPUTER-MEDIATED INTERVENTION TO PROMOTE PRO-SOCIAL ABILITY AMONG HFASD CHILDREN S. Eden, A. Oren	8285
THERMODYNAMICS EDUCATION AS IT AFFECTS ENERGY SYSTEMS O. Arnas	8291
DEFINING PROBLEMS AND CHALLENGES IN THE FIELD OF HIGHER EDUCATION AND ECOSYSTEM SERVICES C. Aviles, A. Leonardi, M.C. Gimenez, D. Pettenella, A. Rubio, Y. Ambrosio, J. Garcia Alfonso, R. Laina, M.P. Arraiza, J.L. García, L. Gómez, M. López	8294
EDUCATIONAL POTENTIAL MAPPER - A SEMANTIC-BASED TOOL FOR ANALYSING AND DESIGNING SERIOUS GAMES S. Perna, F. Lo Monaco, G. Città, V. Dal Grande, M. Gentile, D. La Guardia, S. Ottaviano, M. Allegra	8298
IMPACT OF INTERNET ADDICTION ON THE MENTAL HEALTH OF COLLEGE STUDENTS	8308
L. Cabral, A. Gonçalves, M. Ferreira, E. Coutinho, J. Duarte  EVALUATION OF TRAINING NEEDS ON ENTREPRENEURSHIP AND ECONOMICS OF	8315
ECOSYSTEMS AMONG EU HIGHER EDUCATION INSTITUTIONS  M. Masiero, C. Aviles, M.C. Gimenez, C. O'Driscoll, A. Leonardi, D. Pettenella, A. Rubio, Y. Ambrosio, I. Garcia Alfonso, R. Laina, M.P. Arraiza, I.L., García, I., Gómez, M. López	0313

FINANCIAL DISTRESS MODEL ACCORDING TO "Z MODEL" APPLIED TO MEXICAN STOCK EXCHANGE  J.G. de la Vega Meneses	8319
THE BREXIT, THE UNITED STATES PRESIDENTIAL ELECTION AND THE ITALIAN REFERENDUM: IMPACT ON FINANCIAL MARKETS IN 2016  J.G. de la Vega Meneses	8328
AN IMPLEMENTATION OF THE EXTENDED TECHNOLOGY ACCEPTANCE MODEL FOR UNDERSTANDING STUDENTS' PERCEPTIONS OF LEARNING MANAGEMENT SYSTEMS: A STUDY WITHIN TERTIARY INSTITUTIONS IN SAUDI ARABIA A. Alshehri, M. Rutter, S. Smith	8346
MODERN TOMSK POLYTECHNIC UNIVERSITY FROM A WOMAN-RESEARCHER POINT OF VIEW	8347
L. Payuk, N. Voronina, E. Suvorkova, L. Kozlova  BETWEEN DISCOURSE AND THE REAL PERCEPTION OF ABUSE. A BINATIONAL SURVEY ON GENDER VIOLENCE AS A STARTING POINT FOR PEACE EDUCATION E. Tejada, J. Camargo, I. Saenz, D.E. Garcia-Gonzalez	8352
MODEL OF STIMULATING THE MOTIVATION AS A KEY FACTOR IN OVERCOMING THE DIGITAL DIVIDE PHENOMENON  K. Rasheva-Yordanova, D. Christozov, I. Kostadinova	8361
THE CHALLENGE OF EVALUATING PEACE EDUCATION FROM A GENDER PERSPECTIVE  J. Camargo, E. Tejada, D.E. Garcia-Gonzalez, R. Dominguez	8369
CRITICAL PARTICIPATION AND WRITING THROUGH STRUCTURED DIALOG S. Dugal, E. Calcagno, C. Bedell, J. Berdugo, J. Miano, L. Martocchio	8377
LEARNING WITH SMART DEVICES: AN INVESTIGATION INTO INFLUENCES AND THE RELEVANCE OF TEACHERS N.N. Chan	8386
EDUCATING COMPETITIVE TECHNICAL UNIVERSITY STUDENTS IN THE CONDITIONS OF THE MODERN WORLD  L. Gil, L. Demenkova, D. Ilyashchenko, K. Chekhovskikh, N. Ershova, R. Mamadaliev	8395
DEVELOPING STUDENTS' TEAMWORK SKILLS THROUGH COLLABORATIVE LEARNING L. Gil, K. Chekhovskikh, E. Tesleva, V.I. Danilov, S. Nozirzoda, A. Popova	8401
IMPLEMENTING CDIO STANDARDS INTO CONFERENCE WEEK: TPU EXPERIENCE (ON THE EXAMPLE OF FOREIGN LANGUAGE) Y. Daneykin, N. Daneikina	8409
EXPLORE THE PERCEPTION OF CONSUMER BEHAVIOR OF ELITE UNIVERSITY-BASED EXECUTIVE EDUCATION PROGRAMS: A CASE STUDY OF THAILAND P. Soonsawad	8414
USE OF EMERGING TECHNOLOGIES TO ADDRESS THE LARGEST INEQUALITY CAUSED BY EDUCATIONAL ATTAINMENT G.S. Ntloedibe-Kuswani	8417
APPLICABILITY OF THE LEARNABILITY ATTRIBUTES IN SERIOUS GAME DESIGN: THE CASE OF DIGITAL FORENSIC GAME DESIGN A. Blažič, P. Cigoj, T. Arh, B. Blažič	8425
DESIGN THINKING MINDSET APPLIED TO EDUCATION AND TRAINING A. Barroca, J. Soares	8435
ICT STUDIES IN ENGLISH – A COMPARISON OF RESEARCH RESULTS IN TWO COUNTRIES  M. Miłosz, R. Abdrakhmanov, E. Milosz	8441
SECOND LANGUAGE ACQUISITION THROUGH A COMMUNICATION STUDY OF HOW EUROPEAN UNIVERSITY OF TIRANA STUDENTS ACQUIRE THE ENGLISH LANGUAGE  V. Kadiu, T. Treska	8447
SOME ASPECTS IN CONTEXT OF RESOLVING QUESTIONS OF INNOVATION OF HIGHER EDUCATION IN SLOVAK REPUBLIC A. Nagyová, J. Záhorec, Š. Ferková	8454
PRESCHOOL EXECUTIVE FUNCTIONING IN MONOLINGUAL AND BILINGUAL CHILDREN: ASSESSMENT THROUGHOUT SYSTEMATIC OBSERVATION E. Escolano-Pérez, I. Inaz-Monterde	8464

MORAL REASONING OF BOYS AND GIRLS IN SOLUTIONS OF CONFLICT SITUATIONS Š. Ferková, A. Nagyová, J. Záhorec	8474
UNDERSTANDING A GLOBAL MINDSET J. Durand, J. Pratt, S.L. Birchley	8482
THE EFFECT OF THE GAMIFICATION ON MOTIVATION AND ACHIEVEMENT OF EMPLOYEES OF IT DEPARTMENT OF A BANK: SAMPLE OF KUWAIT TURKISH PARTICIPATION BANK M. Sozeri, Z. T. Altaş	8491
TEACHING ANCIENT HISTORY WITH ICT: A DIGITAL EDUCATIONAL "RIDE" INTO THE CLASSICAL WORLD  D. Markantonatos	8500
MERGING LEARNING MANAGEMENT SYSTEMS AND PERSONAL LEARNING ENVIRONMENT IN FOREIGN LANGUAGE TEACHING E. Yaroslavova, M. Fedotova	8506
UNDERSTANDING INTERRELATION BETWEEN LEARNING PRINCIPLES AND GAME ENVIRONMENT: A QUALITATIVE APPROACH M. Ahmad, L. Rahim, N. Arshad, K. Osman	8513
ENERGISING ELECTRONICS ENGINEERING: IMPROVING LEARNING BY FLIPPING THE CLASSROOM AND GOING ONLINE M. Godsk, H.J. Hansen, M.B. Knudsen, M.R. Lindhardtsen, P. Lysgaard, H. Slavensky	8523
INTERNATIONALIZATION FOR EDUCATIONAL INSTITUTIONS AND OUTCOMES OF AN INTERNATIONAL LIFE LONG LEARNING PROJECT FOR THE INSTITUTION AND THE LOCAL PEOPLE!  G. Siper Saksi	8531
COMPARING THE RHETORICAL STRATEGIES IN THE RESEARCH ARTICLES OF TWO COMPUTER SCIENCE JOURNALS  I. Suryani, A. Yaacob, N. Hashima Abd Aziz, Z. Ariffin	8532
EXPLORING WHAT VIRTUAL SUPPORTS STUDENTS WITH DISABILITIES WANT C. Anyinam, S. Coffey, H. Zitzelsberger, R. Vanderlee, C. Da Silva, F. Smith, C. Mohler, F. Odette, N. Deziel	8536
EDUCATIONAL VALUE OF GRASSROOTS STUDENTS INITIATIVES ON SOCIAL MEDIA K. Gurba, D. Kaczmarczyk, S. Guzik	8544
EDUCATIONAL VALUE OF SOCIAL MEDIA PRESENTATION OF GREAT RELIGIOUS EVENTS FOR YOUTH – WORLD YOUTH DAY CASE STUDY K. Gurba, R. Nęcek, W. Misztal, M. Gurba	8551
THE USE OF CITATION IN ESTABLISHING THE RESEARCH TERRITORY BY WRITERS OF MALAY LANGUAGE JOURNALS  I. Suryani, A. Hanani, F. Zubir	8557
INFORMATION MANAGEMENT IN BUSINESS ENVIRONMENTS: DEVELOPMENT OF DATA WAREHOUSES FOR EDUCATIONAL PURPOSES C. Martinez-Cruz, C. Molina, J.M. Serrano	8563
THE TRAINING OF FUTURE EDUCATION PROFESSIONALS FROM THE PERSPECTIVE OF SUSTAINABILITY: A FORMATIVE EXPERIENCE E. García-González, R. Jiménez-Fontana, P. Azcárate	8572
THREE AGENT PLATFORM APPROACH FOR DIGITAL EDUCATION ENVIRONMENT A. Khasianov, D. Suleymanov, A. Marchenko	8580
INTERNATIONALITY IN HIGHER EDUCATION: INCREASING INTERCULTURAL AWARENESS THROUGH TEAMWORK M. Abanades, V. Baena, M. Jiménez	8588
CHANGING ROLES: TEACHERS AND STUDENTS IN EXPERIENTIAL LEARNING M. Abanades, V. Baena, M. Jiménez	8595
POLITICAL CRISIS IN SYRIA AND ITS IMPACT ON EDUCATION K. Prosyukova, O. Babenko, N. Abrosimova, A. Fominykh	8602
SYNTACTIC AND SEMANTIC ASPECTS OF SPEECH PERCEPTION G. Khaimova, I. Kurmaeva, I. Rakhimbirdieva	8606
DEVIANCE AND SOCIAL CONTROL IN "THE TRIAL OF THE CENTURY": ANALYSIS OF PAPERS BASED ON STUDENT PARTICIPATION IN A MOCK TRIAL J. Prince	8611

THE LEARNING STYLE IN LOCAL HIGHER EDUCATION: EXPERIENTIAL MODEL AND CO-CREATION X. Oña Serrano, A. Plaza, O. Pantoja	8615
PROCRASTINATION AND CHEATING IN SECONDARY SCHOOL STUDENTS E. Escolano-Pérez, C. Peco Benito, I. Inaz-Monterde	8625
EXPERIENCES OF COOPERATION BETWEEN A HIGHER EDUCATION INSTITUTION AND INDUSTRY AND ITS IMPACT ON WORKING CULTURE S. Juvonen, P. Nurkka, K. Väkeväinen	8632
A LEARNING AND SOCIAL MANAGEMENT SYSTEM – VERSION 3.0 A. Figueira, L. Oliveira	8638
EVALUATION OF THE HIGHER EDUCATION IMPACT ON THE ECONOMIC GROWTH OF RUSSIAN REGIONS: AN INSTITUTIONAL APPROACH D. Kochetkov, V. Larionova	8646
SIMULATION OF SWARM BEHAVIOUR AS A METHOD OF EXAMINING STUDENTS' CAPABILITY TO CONDUCT EXPERIMENTS – A CASE STUDY  J. Montusiewicz, S. Skulimowski, T. Lypovyi	8655
THE CONCEPT OF A 3D BOARD GAME TO RECOGNISE ARCHITECTURAL MONUMENTS	8665
J. Montusiewicz, M. Barszcz, K. Dziedzic, J. Kęsik, M. Miłosz, M. Tokovarov	
TELEGRAM BOT FOR M-LEARNING AT CLASSROOM A. Alcayde, F.G. Montoya, E. Salmerón-Manzano, A.J. Perea-Moreno, R. Baños, F. Manzano-Agugliaro	8675
THE POWER OF SIGHT: USING EYE TRACKING TO ASSESS LEARNING EXPERIENCE (LX) IN VIRTUAL REALITY ENVIRONMENTS  J.L. Soler, J. Ferreira, M. Contero, M. Alcañiz	8684
EXAMINING CULTURAL ADAPTATION ACROSS TWO CULTURAL CONTEXTS: HOW DIFFERENT ARE YOUNG ADULTS IN SPAIN AND THE UNITED STATES?  P. Portes, D. Boada, L. Cabrera, T. Pozo, W. Mira, M. Whatley	8690
REDESIGNING LEMA: A WEB BASED CLASSROOM APPLICATION TO PROMOTE MATHEMATICAL REASONING IN AUTISTIC CHILDREN M.I. Santos, T. Ribeiro, A. Breda, A.M. Almeida	8699
PERFORMING A NEW TEACHING TREND BASED ON "LEARNING BY DOING" BY MIXING DIFFERENT FIELDS OF KNOWLEDGE AS ART AND SCIENCE S. Nuere, R. Díaz-Obregón, F. Blaya Haro, J. Pecharromán	8707
BELIEVING, LEARNING, AND PRACTICING GREEN: GULF UNIVERSITY REFLECTIONS ON SUSTAINABILITY H. El Marsafawy, M. Al Zayani, D. Van Kessel	8718
APPS AND THE STUDY OF THE PERIODIC TABLE A. Grunewald Nichele, L. Zielinski do Canto	8729
AUGMENTED REALITY IN TEACHING CHEMISTRY A. Grunewald Nichele, G. do Nascimento	8736
ETHNIC IDENTITY AND CONTINGENT SELF-ESTEEM AMONG PRE-SERVICE TEACHERS A. Vaiciuliene	8744
WIL CONNECT: CONNECTED LEARNING IN THE HEALTH WORKPLACE VIA A MOBILE APP R. Nash, S. Altena	8748
THE POTENTIAL FOR EDUCATIONAL TECHNOLOGY TO BRIDGE PRECOLLEGE SCIENCE, MATH, AND TECHNOLOGY EDUCATION FOR HISPANIC AND LATINO STUDENTS J. Guerrero	8749
TOWARDS AN EVIDENCE-BASED MODEL OF TEACHER TRAINING FOR INCLUSIVE CLASSROOMS IN THE UAE: PRELIMINARY FINDINGS M. Ewen	8759
LEARNING ANALYTICS USING BOOKLOOPER AND TIME-TUNNEL S. Nakamura, Y. Okada	8767
LEARNER-GENERATED DIGITAL MEDIA (LGDM) FRAMEWORK J. Reyna, P. Meier, J. Hanham, P. Vlachopoulos, K. Rodgers	8777
EDUCATION AS THE KEY TO FREEDOM. NARRATING THE EDUCATIONAL SUCCESS OF INCARCERATED ADULT LEARNERS IN A MEDIUM SECURITY PRISON IN SOUTH AFRICA  D. Daviels	8782

EFFECTS ON LEARNING MOTIVATION AND RETENTION FROM INTEGRATING AN INTERACTIVE RESPONSE SYSTEM INTO FOURTH GRADE MATHEMATICS TEACHING H.F. Lin, P.C. Hung	8789
FACULTY ATTITUDES TOWARDS TECHNOLOGY AT TWO UNIVERSITIES IN THE UAE M. Andrew, J. Taylorson	8800
ANALYSIS AND EVALUATION OF THE PERFORMANCE OF TOP LEAGUE TABLE OF WEBOMETRIC RANKING OF WORLD UNIVERSITIES  I. Madhoun, A.M. Hamouda	8811
MAPPING E-CONTENT TO DOMAIN ONTOLOGY FOR EDUCATION AND AWARENESS OF NUCLEAR HAZARDS A.D. Ionita, A. Olteanu, R.N. Pietraru, I.C. Prisecaru	8819
THE ICT COMPETENCES OF THE TEACHERS OF HIGHER EDUCATION IN THE STATE OF SINALOA  O.V. Garcia Sanchez	8825
THE UNIVERSITY - AN ENTREPRENEURIAL AND INNOVATIVE HIGHER EDUCATION INSTITUTION D.M. Neamtu	8832
COMPARATIVE ANALYSIS OF THE ROLE OF EDUCATION ON ECONOMIC DEVELOPMENT IN THE EMERGING COUNTRIES OF THE UE. SIMILARITIES AND DIFFERENCES: POLAND, BULGARIA AND ROMANIA D.M. Neamtu	8840
DIFFUSION OF ONLINE LABS AND INQUIRY-BASED SCIENCE TEACHING METHODS AND PRACTICES ACROSS EUROPE G. Mavromanolakis, S. Sotiriou	8849
3D PRINTING IN SCIENCE AND ENGINEERING EDUCATION. A BEST-PRACTICE: STUDYING, DESIGNING AND 3D PRINTING AN OPERATIONAL MODEL OF A 2100 YEAR-OLD COMPUTER, THE ANTIKYTHERA MECHANISM G. Mavromanolakis	8859
RESEARCH EXPERIENCE OF MASTER'S STUDENTS FOR MODELING HAZARD MANAGEMENT SYSTEMS A.D. Ionita	8865
COMPUTER MODELS AS APPROPRIATE TOOLS IN ELEARNING S. Hrehova, A. Vagaska	8871
IMPROVING LOGISTICS EDUCATION IN SECONDARY SCHOOLS - AN ADAPTABLE APPROACH FOR TRANSFERRING KNOWLEDGE S. Eitler, R. Schodl, S. Staritz, E. Jung, A. Haller	8878
DEMAND FOR HIGHLY QUALIFIED STAFF  I. Getova	8885
"ENJOY TASTINGS?" ENHANCING VOCABULARY IN ESP SETTINGS  I. Salto-Weis, T. González González	8889
ASSESSING THE IMPACT OF THE ACTIVITIES OF THE "PROMOTION OF THE ENTREPRENEURIAL CULTURE PROGRAMS" ON THE ENTREPRENEURIAL INTENTIONS OF THE ENGINEERING STUDENTS  M.D. La Rubia-García, D. Eliche-Quesada, C. Rus-Casas, J.D. Aguilar-Peña	8896
FACEBOOK AND ENGINEERING STUDENTS: USING THIS TOOL FOR THE PROMOTION OF THE ENTREPRENEURIAL SPIRIT M.D. La Rubia-García, D. Eliche-Quesada, C. Rus-Casas, J.D. Aguilar-Peña	8904
THE FEASIBILITY OF TEACHING WRITING PROGRAM BASED ON BALANCING PROCESS AND PRODUCT APPROACH F.R. Chen	8914
THE EFFECT OF ACCREDITATION PROCESSES AND THE IMPACT OF IMPLEMENTING NCAAA STANDARDS ON IMPROVING PROGRAMS COMPLETION RATES IN THE COLLEGE OF EDUCATION –JUBAIL. A CASE STUDY S. Alahmad, D. Alshangite	8924
ANYWHERE AND ANYTIME? AN ANALYSIS OF THE USE OF MOBILE DEVICES IN MOOCS C. Stöhr	8933
BUSINESS SIMULATION GAME AS AN EDUCATIONAL METHOD FOR POSTGRADUATE STUDIES IN MANAGEMENT AND FINANCE  J. Kujawski, A. Januszewski	8944

WHATSAPPENING OUTSIDE YOUR LMS? ANALYZING A SOCIAL MEDIA INSTANT MESSAGING POWERED LEARNING COMMUNITY L. Oliveira, A. Figueira	8952
SURFING THE WAVES OF SELF-REGULATED LEARNING TO EVALUATE FLIPPED CLASSROOMS (FC) J. Reyna	8961
FLIPPING THE CLASSROOM BY VIDEO IN MATHEMATICS FOR GEOLOGICAL SCIENCES P. López	8969
STUDY ON FACTORS FOR SHAPING LEARNING CURVES BY OBTAINING A CONCEPT IN LEARNING BY COMPUTER SIMULATION Y. Kaburagi, D. Ikeda	8975
THE INSERTION OF UNIVERSITY GRADUATES. THE CASE OF HUMANITIES DEGREES IN CATALONIA (SPAIN)  J. Turmo-Garuz, T. Bartual-Figueras, R. Adillon-Boladeras, L. Daza-Perez, X. Garcia-Marimon, M. Simo-Solsona, J. Sierra-Martinez	8985
SMARTVIDEO. SMARTIZATION AND LAYERED LEARNING VIDEOS N. Castellana, M. García, R. Griset, F. Santanach, A. Pérez-Navarro, C. Córcoles, J. Conesa	8991
FOSTERING MEANINGFUL LEARNING THROUGH CONCEPT MAPPING-BASED INTERVENTION PROGRAMMES AT PRE-SCHOOL AGE A. Habók	8996
INTENTION TO ADOPT SCRATCH AS A TEACHING TOOL: AN EMPIRICAL STUDY C. Cachero, M.D. De-Juan-Vigaray, E. González Gascón, P. Barra Hernández	9005
DEVELOPING TATAR CORPUS-BASED DICTIONARIES FOR EDUCATIONAL PURPOSES  A. Galieva, Z. Vavilova, V. Gafarova	9014
BUDGETING IN A MODERN STYLE - A TOOL FOR BUSINESS SCHOOL STUDENTS. A CASE FROM POLAND  Z. Pastuszak, P. Rafalski	9023
THE IMPORTANCE OF VISUAL STRATEGIES WITH DEAF PUPILS: CASES ANALYSIS N. Pérez Aguado, M.P. Fernández-Viader	9034
QUALITY OF THE INTEGRATED E-LEARNING SYSTEM – STUDENTS' PERSPECTIVE A. Ćorić Samardžija, S. Kučina Softić, Z. Martinović	9039
TICKET TO THE ARK: DOES SCHOOL IMPACT A STUDENT'S RESILIENCE?  T. Chirkina, T. Khavenson, M. Pinskaya	9048
TOWARDS A PATTERN LANGUAGE FOR INSTRUCTIONAL TECHNOLOGIES APPLICATIONS - WHAT CAN WE LEARN FROM OTHER DISCIPLINES? T. Gruber-Muecke	9049
ICT TOOL USAGE OF LANGUAGE AND NON/LANGUAGE MAJORS: OUTCOMES AND CONCLUSIONS OF A SELF-DEVELOPED QUESTIONNAIRE  A. Habók, J. Nagy	9050
GROUNDING A NEW INSTRUCTIONAL TECHNOLOGY (IT) IMPLEMENTATION FRAMEWORK IN BEHAVIORAL AND EDUCATIONAL SCIENCE: A SYSTEMATIC ANALYSIS OF THE LITERATURE ON IT USE T. Gruber-Muecke	9051
VIRTUAL MODELS: AUGMENTED REALITY AS A TEACHING TOOL FOR CONSTRUCTION SYSTEMS	9052
B. Piedecausa-García, J.C. Pérez-Sánchez, R.T. Mora-García, V.R. Pérez-Sánchez, M.F. Céspedes-López, J.M. Mateo-Vicente	
MOOC MODEL ACCEPTANCE IN DEVELOPING COUNTRIES: A CASE STUDY N. Rodríguez, L. Llerena, J. Moreno-Llorena, J.W. Castro	9059
TOWARDS AN APPROACH FOR MEASURING DIFFERENT TYPES AND INTENSITIES OF INTERACTION IN MASSIVE OPEN ONLINE COURSES (MOOCS)  P. Barbosa Cabral, S. Topolovec, J.P. van Staalduinen	9069
THE PROCESS OF ADAPTING AN INSTRUMENT FOR EVALUATING THE ORAL COMMUNICATIVE COMPETENCIES IN UNDERGRADUATE STUDENTS OF PRESCHOOL EDUCATION AND PRIMARY EDUCATION  M. Fuentes Loss, C. Balaguer Fàbregas, M. Graell Martín, M. Pujol Valls, J. Knight, M.T. Fuertes Camacho	9075
EXPLORING TRIGGERS FOR AROUSING INTEREST IN THE ONLINE LEARNING  P. Siklander, I. Kangas, S. Ruhalahti, P. Korva	9081

HIGHER ORDER THINKING SKILLS INTEGRATION INTO THE TEACHING OF LITERARY TEXTS: A MOOC FOR ENGLISH LANGUAGE TEACHERS N. Mat Daud, N. Mat Daud, A. Mohd Ali, J. Juhary, R. Mohd Mydin	9090
END-OF-DEGREE AND END-OF-MASTER PROJECTS AS EXPLORATORY OPPORTUNITIES FOR STUDENTS TO ASSESS RESEARCH AND SCIENCE TRANSFERENCE AS JOB OPTIONS: THE UNIVERSITY OF LEÓN ANIMAL BREEDING GROUP EXPERIENCE  B. Gutierrez-Gil, A. Suarez-Vega, Y. Bayón, L.F. de la Fuente, J.J. Arranz	9097
FRAMEWORK FOR GAMIFICATION OF SPECIALIZED SUBJECTS WITHIN ENGINEERING STUDIES  P. Ziolkowski	9103
AN INTERACTIVE SCENARIO-BASED EDUCATIONAL TOOL TO EDUCATE MALAYSIAN TEENAGERS ABOUT ONLINE PERSONAL PRIVACY S.Z. Ibrahim, L.J. Han, A. Azman, M. Masrom	9111
CROWDFUNDING OF RESEARCH PROJECTS IN POLAND P. Ziolkowski, A. Janowski	9121
ACADEMIC POTENTIAL OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN TRAINING LINGUISTS AND TRANSLATORS L. Korneeva, E. Bozhko	9128
ENHANCING RESEARCH AND EDUCATION ON URBAN HISTORY BY USING MOBILE TECHNOLOGY K. Barthel, C. Kröber, K. Friedrichs, J. Bruschke, F. Maiwald, F. Niebling, S. Münster	9133
SIGNAL'S SIMULATION METHODOLOGIES USED IN SCIENTIFIC AND EDUCATIONAL TASKS OF REAL-TIME INFORMATION SYSTEM'S MODELLING E. Smirnova, V. Suzev, A. Proletarsky, V. Gurenko	9140
INTERACTIVE DIGITAL JOURNALISM AND TRAINING OF JOURNALISTS IN ECUADOR  A. Suing, G. Salazar, P. Barrazueta	9144
THE USE OF 3D CONSTRUCTIVE MODELS AND PUBLIC PRESENTATIONS AS A TEACHING METHODOLOGY IN THE SUBJECT "CONSTRUCTION OF NON-STRUCTURAL ELEMENTS"  V.R. Pérez-Sánchez, M.F. Céspedes-López, R.T. Mora-García, B. Piedecausa-García, J.C. Pérez-Sánchez	9152
ICT INTEGRATION IN INITIAL TEACHER TRAINING IN CHILEAN UNIVERSITIES. A CURRICULAR COMPARATIVE ANALYSIS C. Fuentes Henríquez, M.G. Badilla Quintana	9160
STORYTELLING IN HIGH EDUCATION INSTITUTIONS: HOW TO ENRICH THE LEARNING EXPERIENCE IN MULTIDISCIPLINE AREAS?  N.C.S. Wilujeng, V.I. Ekowati, S. Sudarmaji	9170
APPROPRIATENESS IN THE CURRICULAR REDESIGN OF THE SOCIAL COMMUNICATION CAREER AT UNIVERSIDAD TÉCNICA PARTICULAR DE LOJA A. Suing, P. Barrazueta, G. Salazar	9181
LEARNING OUTCOMES IN HIGHER EDUCATION: DESIGNING A CONCEPTUAL MAP FOR PORTUGUESE ACADEMIA  D. Dias, D. Soares	9188
TRANSLATING CRITICAL THINKING SKILLS TO HIGHER EDUCATION PRACTICES D. Soares, A. Franco, D. Dias	9195
QUALITATIVE ASSESSMENT OF THE INTERIOR DESIGN' COURSES PERFORMANCE N. Sami Abdel Aziz	9201
ALTERNATIVE IDEAS AND MODELS ABOUT THE VISION OF COLOUR IN SECONDARY EDUCATION STUDENTS R. Limiñana, A. Menargues, C. Nicolás, S. Rosa, A. Rey	9211
SOCIO-SCIENTIFIC INQUIRY-BASED LEARNING AND INITIAL TEACHER EDUCATION. PILOTING AND PRELIMINARY RESULTS A. Quesada, M.R. Ariza, A.M. Abril	9217
LIFELONG LEARNING AS A CRUCIAL VECTOR FOR DESIGNING HIGHER EDUCATION CURRICULA D. Soares, D. Dias	9227
IS IT POSSIBLE TO PROMOTE INTEREST IN SCIENTIFIC CULTURE?  A. Menargues, R. Limiñana, S. Rosa, C. Nicolás, A. Rey, J. Martínez-Torregrosa	9228
MORE COMPETENT AND MORE EQUAL: HIGHER EDUCATION AS A SUPPORTER OF SOFT SKILLS DEVELOPMENT D. Soares, R. Carvalho, G. Burkholder, D. Dias	9237

TASTING LAB RESEARCH: AN INTERNATIONAL EXCHANGE AT HIGH SCHOOL LEVEL	9243
A. Pérez Saturnino, C. Buchta, J. Wittbrodt, J. Fernández Novell	
COS GOES TO SCHOOL: BRINGING SCIENTIFIC RESEARCH TO HIGH SCHOOL A. Pérez Saturnino, M. Bollen, J. Wittbrodt	9249
TOWARD A CONCEPTUAL MODEL OF ADAPTIVE CONTENT S. Aammou, Y. Jdidou, K. El Bakkari	9254
EDUCATIONAL APPLICATION OF VIRTUAL REALITY IN SAFETY TRAINING J. Ferreira, J.L. Soler, M. Alcañiz, M. Contero	9261
EMOTIONAL INTELLIGENCE AND ITS CONNECTION TO ENGINEERING DESIGN COGNITIVE PROCESSES R. Koontz, D. Dolan, K. Osberg, J. Gibson	9267
TEACHING BIBLIOMETRICS: KEY COMPETENCES, CONTENTS, DIDACTIC MATERIALS AND PRACTICAL ACTIVITIES  G. González-Alcaide	9276
QUICK SURVEYS IN CLASSROOM. MOBILE PHONE, A POWERFUL TEACHING TOOL J.S. Artal-Sevil, E. Romero, J.M. Artacho	9282
METHODOLOGY TO EVALUATE TRANSVERSAL COMPETENCES IN THE FORESTRY ENGINEERING DEGREE BASED ON A SYSTEM OF RUBRICS AND INDICATORS: RESULTS OF TWO YEARS OF EXPERIENCES  F.A. Garcia Morote, D. Moya Navarro, M. Andres Abellán, R. Bernabeu Cañete, O. Botella Miralles, M.A. Copete Carreño, J. de las Heras Ibañez, P. Ferrandis Gotor, R. Guardado Lopez, F.R. Lopez Serrano, M.E. Lucas Borja, E. Martinez Garcia, J.A. Monreal Montoya, J. Montero Martinez, M.A. Moreno Hidalgo, L. Pulido Martinez	9292
A VIEW TOWARDS THE INFLUENCE OF GLOBAL UNIVERSITY RANKINGS ON UNIVERSITY REPUTATION  J. Sarupiciute, G. Druteikiene	9301
FLIPPED LEARNING + ICT: AN INSTRUCTIONAL MODEL IN HIGHER EDUCATION E. Romero, J.S. Artal-Sevil, O. Casanova, R.M. Serrano	9308
ON THE PERFORMANCE AND PERCEPTION OF UNIVERSITY STUDENTS PLAYING THE ROLE OF ASSESSORS. TECHNOLOGY TEACHERS IN FORMATION AS CASE OF STUDY  D. Airado-Rodríguez, F. Cañada-Cañada, M.D. Víctor-Ortega, M.A. Dávila-Acedo, D. González-Gómez, J.S. Jeong	9318
THE STUDENTS' ACCEPTANCE OF LEARNING MANAGEMENT SYSTEMS IN SAUDI ARABIA: A CASE STUDY OF KING ABDULAZIZ UNIVERSITY S. Binyamin, M. Rutter, S. Smith	9324
INFLUENCE OF THE INSTRUCTIONAL MODEL AND THE STUDENTS' CURRICULA BACKGROUND IN THE AFFECTIVE DIMENSION DURING A SCIENCE COURSE D. González-Gómez, J.S. Jeong, F. Cañada-Cañada, D. Airado-Rodríguez	9334
CALENDAR «GALLERY OF FEMALE IMAGES IN RUSSIAN LITERATURE» AS A RESULT OF PROJECT ACTIVITIES IN THE LEARNING PROCESS OF RUSSIAN PHILOLOGY AT HIGH SCHOOL E. Tezina, Y. Ageeva	9340
STUDY AND TRAVEL: STUDENTS' PERCEPTIONS ON THE IMPORTANCE OF TOURISM IN MOBILITY S. Filipe, B. Barbosa, C. Amaral Santos, M. Pinheiro, D. Simões, G. Paiva Dias	9346
USING MOBILE TECHNOLOGY TO ENHANCE LEARNING FOR DISADVANTAGED GROUPS: DESIGN OF EDUCATIONAL SCENARIOS  N. Mileva, S. Stoyanova-Petrova, N. Kafadarova	9355
THEORETICAL-PRACTICAL APPROACH TO SELF-LEARNING SPANISH LANGUAGE AS A FOREIGN LANGUAGE THROUGH MOBILE DEVICES APPLICATIONS F. Romero Forteza, M.M. Sáinz González	9362
DATA MINING FOR OPEN EDUCATIONAL GOVERNMENTAL DATA: THE CASE STUDY OF BRAZILIAN HIGHER EDUCATION T.E.V. Silva, J.C.M. Mota, W.B. Andriola, A.L.F. Almeida	9369
NUMERICAL DIFFERENTIATION: A VIRTUAL LABORATORY F. Giménez Palomares, J.A. Monsoriu Serrá, J.F. Giménez Luján	9375
A TEACHING APPLICATION FOR THE STUDY OF LEAST SQUARES APPROXIMATION USING CUBIC SPLINES	9384
J.F. Giménez Luján, P. Fernández de Córdoba Castellá, F. Giménez Palomares, J.A. Monsoriu Serrá	

NEW LEARNING METHODOLOGY: SCIENTIFIC TOURISM M. Martínez Muñoz, M.J. Such	9391
EVALUATION OF THE NECESSITY OF EDUCATION IN THE FIELD OF MANUAL MEDICINE IN BULGARIA AND TRAINING WITH A PC BASED PROGRAMME (ADAPTED TO THE LEVEL OF COMPETENCES OF DIFFERENT TYPES OF USERS) I. Koleva, R. Yoshinov	9396
AN EXPERIENCE WITH FLIPPED LEARNING IN THE COMPUTER NETWORKS LABORATORY  J.M. Villalon, T. Olivares, M.C. Ruiz, P. Cuenca	9405
USE OF MOBILE TECHNOLOGIES TO CREATE DIGITAL RESOURCES FOR EDUCATIONAL INTEGRATION OF DISADVANTAGED GROUPS N. Mileva, N. Kafadarova, S. Stoyanova-Petrova	9414
ASSOCIATION BETWEEN CLASS HETEROGENEITY AND ACADEMIC ACHIEVEMENT IN PRIMARY SCHOOL (THE EVIDENCE FROM RUSSIA)  D. Kaiky, A. Ivanova	9423
TOWARD NEW METHOD FOR ADAPTIVE LEARNING IN MOOC S. Aammou, Y. Jdidou, A. Jdidou	9424
THE ROLE OF EXPERIENCE-BASED LEARNING: A CASE STUDY OF AN INTERIOR ARCHITECTURE UNDERGRADUATE STUDIO  N. Fernando	9429
A TASK-BASED APPROACH TO THE DEVELOPMENT OF COMPETENCES IN AN ENGINEERING UNIVERSITY CONTEXT R. Seiz Ortiz, A. Barrera Puerto	9434
INTERACTIVE COMPUTER OPERATING SYSTEM CUSTOMIZATION: PROMOTING NEW EXPERIENCES IN EDUCATION W.S. Braz, J.L.L. Cunha, A.J. Gonçalves, G.L. Sales, T.E.V. Silva	9441
COMPARATIVE EVALUATION OF PEDAGOGICAL PARAMETERS IN TWO WEB- BASED RESOURCES TO LEARN SPANISH AND ENGLISH R. Seiz Ortiz, M.M. Sáinz González	9450
ENHANCING SCIENCE AND MATHEMATICS EDUCATION IN MULTICULTURAL CONTEXTS: GUIDELINES FOR OPEN LEARNING ENVIRONMENTS M.R. Ariza, A. Quesada, A.M. Abril	9458
THE NOVEL DESIGN RESEARCH LAB EXPERIENCE: TEACHING AND TRANS- DISCIPLINARY MENTORSHIP FOR 21ST-CENTURY SCIENCE, ENGINEERING AND DESIGN STUDENTS D. Nicholas, S. Anandan	9467
A GROUNDED THEORY STUDY OF THE JOB-SEEKING EXPERIENCES OF FOREIGN GRADUATES ON THE GERMAN JOB MARKET A. Kapanen, D. Edgar, S. Dressler	9474
DEVELOPING AN INCLUSIVE EDUCATIONAL ENVIRONMENT IN A UNIVERSITY CONTEXT  A. Demin, E. Zhezhera	9484
A WEB CLASSROOM APPLICATION TO SUPPORT DATABASE DESIGN LEARNING IN HIGHER LEVELS	9490
L. Chavarría-Báez, E.F. Ruiz-Ledesma, R. Palma-Orozco INNOVATIVE MEDIA FORMS OF SUPPORTING IN MODERN INTERCULTURAL EDUCATIONAL PROJECTS N. Shlemova, E. Ponomareva	9499
INCLUSION OF OPEN EDUCATION IN THE UNIVERSITY EDUCATIONAL PROCESS: PROBLEMS, PRACTICES, CHALLENGES FACED BY THE PARTIES T. Bystrova, V. Larionova, V. Tretyakov	9504
INTRODUCING ONLINE EXAMS J. Borges, E. Justino, C. Vaz, J. Barroso, A. Reis	9514
TOWARDS THE LIFE-LONG CONTINUUM OF DIGITAL COMPETENCES: EXPLORING COMBINATION OF SOFT-SKILLS AND DIGITAL SKILLS DEVELOPMENT V. Freiman, J. Godin, F. Larose, M. T. Léger, M. Chiasson, V. Volkanova, M.J. Goulet	9518
GETTING TOGETHER LIFE-COMPETENCES AND SOFT SKILLS WITH DIGITAL SKILLS; TECHNOLOGY-ENHANCED EDUCATION TO ADULTS R. Esteller-Curto, E. Serradell-Lopez	9528
THE LIVE-CLASSROOM LEARNING ENVIRONMENT – PROTOTYPE AND PRACTICAL EVALUATION RESULTS  G. Mittenecker, G. Schweizer	9532

VIRTUAL ON-LINE LEARNING; THE EVOLUTION AND GROW OF SENIOR CITIZENS P. Escuder-Mollon, C. Fowley, R. Esteller-Curto	9541
TEACHING INFORMATION AND COMMUNICATION TECHNOLOGIES TO SENIOR CITIZENS FOR A QUALITY OF LIFE INCREASE P. Escuder-Mollon, J. Adell	9546
OUTSIDE THE BOX INFORMAL LEARNING THROUGH TECHNOLOGY. PROMOTING AN INFORMAL LEARNING ENHANCED BY TECHNOLOGY; ED-WAY PROJECT A. Beltran-Pueyo, H. Saiz-Sanchez, E. Leen, C. Fowley, P. Escuder-Mollon	9554
MIXING PERSONAL AND SOCIAL; PUTTING IN COMMON INDIVIDUAL AND NETWORKED LEARNING IN VIRTUAL SPACES H. Saiz-Sanchez, A. Beltran-Pueyo	9559
CERTIFIED ROOMS FOR ELEARNING STUDENTS EVALUATION J. Borges, C. Vaz, M. Amaral, E. Justino, J. Barroso, A. Reis	9566
MASTERYPATHS - A PATHWAY TO ADAPTIVE LEARNING FOR THE ONLINE ENVIRONMENT T. Trail-Constant, A. Abril	9572
ADAPTIVE LEARNING ENVIRONMENT BASED ON INTELLIGENT AGENTS R. Palma-Orozco, E.F. Ruiz-Ledesma, J.L. Rosas-Trigueros	9576
THE QUALITY OF ELECTRONIC INVOICING IN UNIVERSITIES OF THE METROPOLITAN DISTRICT OF QUITO THROUGH THE APPLICATION OF THE SERVQUAL METHOD	9581
N. Sanchez-Choez, A. Dávila, J. Román-Vásquez  SUIPANGO: A TOOL FOR LANGUAGE VOCABULARY TRAINING BASED ON AUGMENTED REALITY  J.L. Rosas-Trigueros, R. Palma-Orozco, L. Chavarría-Báez	9590
INTRODUCING DESIGN FOR DISASSEMBLY CONCEPT TO THE MSC CURRICULA K. Kufel, J. Wachowicz, R. Bielski, C. Graul, M. Zoltowski	9598
PRE-SERVICE TEACHERS, EXPERIENCES WITH INTERCULTURALISM THROUGH THE CONSTRUCTION OF NARRATIVE FICTIONS P. Rodriguez-Miñambres	9605
NEW ARCHITECTURE TO EXCHANGE LEARNER'S DATA BETWEEN E-LEARNING SYSTEMS USING XAPI N. Nehiri, N. Aknin	9611
ASSESSMENT EXPERIENCES IN A MATH COURSE – GRADING QUESTIONS AND DILEMMAS F. Soares, M.P. Nunes, A.P. Lopes	9618
SELECTED FORMS OF THE EDUCATION PROCESS AND TRENDS M. Cárachová	9625
MOTIVATING PRE-SERVICE TEACHERS IN A FOREIGN LANGUAGE CLASSROOM: PROJECT-BASED LEARNING P. Rodriguez-Miñambres	9636
ENTERPRISE GAMIFICATION – LEARNING AS A SIDE EFFECT OF COMPETITION C. Graul, J. Wachowicz, R. Bielski, K. Kufel, M. Zoltowski	9637
PRAKTIKUM PROJECTS AT THE SCHOOL OF DESIGN ENGINEERING, TECHNICAL UNIVERSITY OF VALENCIA	9643
F. Romero Forteza, E. Ballester Sarrias, J.A. Monsoriu Serrá	0647
TRANSCULTURALITY IN THE CONTEXT OF DIGITAL HUMANITIES A. Vranes, L. Markovic	9647
ACQUISITION OF METACOGNITIVE AND SOCIAL LEARNING STRATEGIES THROUGH UNDERGRADUATES' RESEARCH PROJECT O. Kocheva, T. Vershinina	9654
WHEN THE MUSEUM TURNS INTO A MIXED REALITY LAB. AUGMENTED REALITY AND LEARNING PROCESSES A. Fornasari	9660
USING GAMES IN ART HISTORY COURSES A. Ter-Stepanian	9666
FLIPPED CLASSROOM TO SUPPORT BLENDED LEARNING TEACHING R. Rivera, M. Guiza, W. Aguilar, A. Martínez, M. De Las Fuentes	9672
MANAGING RESEARCH OR MANAGING KNOWLEDGE? A DEVICE TOOL FOR QUALITY ASSURANCE A. Monteiro, A.J. Morais, M. Nunes, D. Dias	9679

R.B. Silva-López, M.I. Silva-López, I.I. Méndez Gurrola, J. Fallad Chávez, E. De la Garza Vizcaya	9686
ARCHITECTURE FRAMEWORK OF KEY PROCESSES OF A HIGHER EDUCATION INSTITUTION  P. R. Giller L. Green, Microel, L.A. Harriffelder Rodniguez, L. Falled Chiften, L.D. Harriffelder  Rodniguez, L. Falled Chiften,	9696
R.B. Silva-López, E. Cruz Miguel, J.A. Hernández Rodríguez, J. Fallad Chávez, J.D. Hanel Del Valle CRITICAL ANALYSIS OF THEMATIC STRUCTURES THROUGH TOPIC MODELING AND XML SCHEMAS J. Ranchal	9705
MATHEMATHICS WITH B-LEARNING A. Martínez, R. Rivera, M. De Las Fuentes, W. Aguilar, M. Guiza	9710
ACCREDITATION OF ONLINE EDUCATION: EVOLUTION IN MEXICO OF AN INTERNATIONAL DEMAND P. Avitia Carlos, I. Uriarte Ramírez	9716
MOTIVATIONS FOR HIGHER EDUCATION STUDENTS' USE OF DIGITAL MEDIA IN CLASSROOM CONTEXT N. Spranger, L. Pedro, R. Santos	9722
AN APPROACH TO THE RELATIONSHIP BETWEEN ENTREPRENEURIAL CHARACTERISTICS AND THINKING STYLES IN UNDERGRADUATE AND POSTGRADUATE UNIVERSITY STUDENTS F.B. Martín-Garrido, E.J. Morales-Fernández, C. Vance, C.R. García-Alonso	9729
INTERACTIVE MUSICAL TECHNOLOGY ENHANCES CREATIVITY: A CASE STUDY WITH E-MOCOMU TECHNOLOGY E. Partesotti, J. Manzolli, A. Peñalba	9730
WEB TECHNOLOGIES FOR DISSEMINATING RELEVANT KNOWLEDGE ON THE EXAMPLE OF THE INTERNATIONAL DUNHUANG PROJECT: THE SILK ROAD ONLINE  L. Markovic, M. Jelic Mariokov	9738
EXPANDING THE ZONES: FOSTERING INNOVATION AND ENTREPRENEURSHIP IN POST-SECONDARY INSTITUTIONS  V. Hui, H. Mercer, N. Nickel, M. Cestra	9747
INTEGRATING EXPERIENTIAL LEARNING AND DIGITAL FABRICATION - MAKING MAKER SPACES RELEVANT V. Hui, C. Nickel, H. Mercer, J. Glionna	9755
EXPLORING THE EFFECT OF TRAINING ON REALIZING EFFECTIVE CYBER-SECURITY  A. Saravanos, M. Curinga, K. Auchter	9762
ENDLESS EFFORT TO IMPROVE EDUCATION IN MATHEMATICS AND SCIENCES IN EMERGING MARKETS: A CASE STUDY  D. Vila-Rosado, A. Alamán-Garcia, I. Aguire-Franco	9763
STRENGTHENING THE ENTREPRENEURSHIP CAPACITY IN COLOMBIAN REFUGEES LIVING IN GUAYAQUIL, ECUADOR - A CASE STUDY E. Armijos, M. Armijos	9772
STUDENTS' PERCEPTION OF CONTINUOUS ASSESSMENT WITH ONLINE QUIZ C. Rizo Maestre, F. Aznar Gregory, M. Pujol López, R. Rizo Aldeguer	9781
TECHNOLOGY INTEGRATION IN A TERTIARY EFL LANGUAGE CLASSROOM: A NARRATIVE INQUIRY H. Assalahi	9787
ASPERGER SYNDROME: A CASE STUDY IN A PUBLIC MEXICAN UNIVERSITY M.J. Guillermo-Echeverría, S. Bautista-Maldonado, M.F. Guzmán-Ocampo	9795
BRINGING AN UNPLUGGED CODING CARD GAME TO AUGMENTED REALITY L. Klopfenstein, A. Fedosyeyev, A. Bogliolo	9800
THE QUIZ-MASTER BOT: A PERSISTENT AUGMENTED QUIZ DELIVERED THROUGH ONLINE MESSAGING L. Klopfenstein, A. Bogliolo	9806
MODEL-BASED TEACHING AND STUDENT TEACHERS' COLLABORATIVE INQUIRY LEARNING OF PHYSICS A. Redfors	9812
EDU-COMMUNICATIVE METHODOLOGY FOR ENVIRONMENTAL SUSTAINABILITY IN THE CLASSROOM  L. Nava-Perez, A. Zaldivar-Colado, J.A. Rodelo-Moreno, A. Guerra-Garcia	9813

ANALYSIS OF DATA EXTRACTED FROM SOCIAL NETWORKS FOR RATIONAL DECISION MAKING IN EDUCATIONAL INSTITUTION A. Zaldivar-Colado, L. Nava-Perez, C.E. Zurita-Cruz, A. Guerra-Garcia	9817
ART EDUCATION CHALLENGES AND THE ROLE OF COMMUNITY EDUCATION IN DEVELOPING AESTHETICS PERCEPTION IN ARAB SOCIETIES F. Ibrahim	9821
EXPLORING THE RELATIONSHIP BETWEEN SOCIAL ROLES IN DAILY LIFE AND ACHIEVEMENT GAP BETWEEN BOYS AND GIRLS IN MATHS: EMPIRICAL EVIDENCES FROM ITALIAN PRIMARY SCHOOL C. Cascella	9832
CREATIVITY DEVELOPMENT AND CREATIVE KNOWLEDGE TRANSFER AT HIGHER EDUCATION V. Vass	9842
PPSUS: USE OF INFORMATION TECHNOLOGY IN PRIMARY CARE THROUGH THE MOBILE VIRTUAL AMBULATORY SYSTEM; TECHNOLOGICAL SOLUTION FOR THE STRENGTHENING OF THE HEALTH SYSTEM IN THE STATE OF AMAZONAS C. Almeida Costa, W.O. Magalhães dos Santos, A. Ferreira Magalhães Neto, H. Silva Lins, S.J. Freitas Vieira, D.E. Dantas Gomes	9851
ANALYSING OF THE PASSWORD HABITS OF THE FRESHMEN MECHANICAL ENGINEERING AND SAFETY TECHNOLOGY ENGINEERING STUDENTS ON THE OBUDA UNIVERSITY G. Kiss	9859
FLIPPED PEDAGOGY: CREATE THE NEED TO ALSO MEET AS A GROUP J. Myers	9865
<b>ACTIVITY CENTERS AS A WAY TO IMPLEMENT AN ACTION-ORIENTED APPROACH</b> <i>M. Myers</i>	9872
COMPARISON OF THE ICT LITERACY LEVEL OF THE HUNGARIAN AND SERBIAN STUDENTS IN THE HIGHER EDUCATION  G. Kiss, Z. Námesztovszki	9880
INFORMATION GATHERING STAGE, THE CHOICE OF METHODS, INSTRUMENTS, TOOLS TO ASSESS THE PHENOMENON OF EDUCATIONAL REALITY I. Szőköl	9888
THE TEACHER'S PERSONALITY IN RELATION TO THE EDUCATIONAL CONCEPT  I. Szőköl, K. Horváth	9897
IMPROVING THE VIRTUAL LEARNING EXPERIENCE: USER-CENTERED DESIGN IN E- LEARNING	9902
R. Sanchis-Font, B. Jordá-Albiñana, J. González-Del-Río, O. Ampuero-Canellas	
LEARNING EXPERIENCE BY ASSESSING PERSONALITY DIMENSIONS WITHIN DOCTORAL RESEARCH E. Ciobanu, L.M. Pintilie, M.V. Bedrule-Grigoruta	9908
USER EXPERIENCE IN E-LEARNING ENVIRONMENTS APPROACH R. Sanchis-Font, T. Magal-Royo, J. González-Del-Río, O. Ampuero-Canellas	9918
WHAT IT TAKES TO SUCCESSFULLY IMPLEMENT AN ENTERPRISE SOFTWARE SYSTEM: A CASE STUDY OF A LARGE SCHOOL DISTRICT IN NEW SOUTH WALES, AUSTRALIA  K. Bense, M. Garrett, G. Tolefe	9919
EXPERIENCE ON INTRODUCING PARALLEL AND DISTRIBUTED ARCHITECTURE RESEARCH CONCEPTS IN COMPUTER ENGINEERING GRADE STUDENTS  A. García de Prado, G. Ortiz	9927
PUBLIC POLICIES IN DISTANCE LEARNING: THE CASE OF MOZAMBIQUE F. Ramos, L. Nakala	9933
THREE-DIMENSIONAL AUGMENTED REALITY FOR MALAYSIAN BUILDINGS T.G. Tan, A. Mohd Yusof, H.K. Tenh, T. Voon, K.O. Chin	9940
THE READINESS OF SCHOOL PRINCIPALS REGARDING THE INSTITUTIONALIZATION OF THE CHANGES IN THE PRIMARY SCHOOLS OF THE REPUBLIC OF MACEDONIA	9941
L. Mehmedi, M. Ameti, B. Havziu	

MAKING STEM EDUCATION ATTRACTIVE FOR YOUNG PEOPLE BY PRESENTING KEY SCIENTIFIC CHALLENGES AND THEIR IMPACT ON OUR LIFE AND CAREER PERSPECTIVES	9948
M. Brzozowy, K. Hołownicka, J. Bzdak, P. Tornese, F. Lupiañez-Villanueva, N. Vovk, J.J. Sáenz de la Torre, J. Perelló, I. Bonhoure, E. Panou, G. Bampasidis, A. Verdis, P. Papaspirou, M. Kasoutas, I. Vlachos, S. Kokkotas, X. Moussas	
DIVERSE AND NOVEL TYPES OF DIGITAL CARD GAMES WHICH COULD BE USED FOR EDUCATIONAL PURPOSES  M. Kordaki	9958
COLLABORATIVE METHODOLOGIES FOR THE DESIGN OF DIGITAL ARTIFACTS BY THE STUDENTS M. Kordaki	9969
TEACHING PHYSICS IN TECHNICAL UNIVERSITY USING ELECTRONIC ENVIRONMENT MOODLE N. Kravchenko, E. Lisichko, E. Postnikova, N. Daneikina	9978
A REVIEW ON THE APPLICATION OF AUGMENTED REALITY IN EDUCATION H.K. Tenh, T.G. Tan, A.M. Yusof, N.Z. Khidzir, K.O. Chin	9981
USING INTEGRATIVE APPROACH IN TEACHING ENGLISH LANGUAGE AND E- COMMERCE E. Yaroslavova, V. Kosterin	9982
FLIPPED EDUCATION - SUPPORTING SYSTEMS THINKING AND CDIO P. Ulfvengren, A. Jerbrant	9988
EFFECTIVENESS OF FORMATIVE ASSESSMENT IN IMPROVING LEARNING QUALITY: USING INTERACTIVE SCIENCE QUIZ TO ENHANCE STUDENT LEARNING OUTCOMES AT PRIMARY LEVEL R. Imran, F. Ahmad	9997
EVOLVING A UNIVERSITY INDUSTRY COLLABORATION FRAMEWORK AND ITS IMPLEMENTATION IN FIRE PROTECTION SUIT DEVELOPMENT A. Manarvi, H. Rehman	10007
PROBLEM BASED LEARNING AS A PRACTICE OF COOPERATIVE LEARNING IN ISLAMIC EDUCATION IN BAHRAIN A. Alzayed	10017
EDUCATION, TECHNOLOGICAL DETERMINISM AND NEW MEDIA T. Hauer	10026
DO ORGANIZATION CULTURE AND TRANSFORMATIONAL LEADERSHIP MATTER FOR BETTER ACADEMIC STAFFS' JOB PERFORMANCE? A LESSON FROM A TEACHING-ORIENTED UNIVERSITY R. Restu, A. Warokka	10031
QUALITY MANAGEMENT SYSTEM AND PROBLEM-BASED LEARNING: A CASE OF EDUCATING QUALITY STANDARDIZATION IN A STATE-OWNED UNIVERSITY C.A. Taib, R. Restu, A. Warokka	10032
THE NEXUS OF ISO 9001:2000 IMPLEMENTATION, LEARNING ORGANIZATION, AND STAFF PERFORMANCE: LESSONS FROM STATE-OWNED CENTERS OF NON-FORMAL AND INFORMAL LEARNING  E. Retnowati, W.A. Pratomo, A. Warokka	10033
ENCOURAGING GIRLS TO STUDY COMPUTER SCIENCE IN HIGH SCHOOL D. Zohar, E. Zur, T. Benaya	10034
EDUCATING STUDENTS ON A DUAL APPLIED BUSINESS PROJECT: ENCOURAGING LEARNING WITH AN INDUSTRY PARTNER  P. Juskiw	10042
TRANSFORMING INTO AN ENTREPRENEURIAL UNIVERSITY: ADAPTATION AND RISKS I. Brylina, V. Brylin, M. Khaldeeva, O. Lutoshkina	10050
WHY ARE STATE-OWNED UNIVERSITIES MORE PREFERRED? EXPLORING THE STUDENTS' MOTIVE, EXPECTATIONS, PERCEPTIONS AND SATISFACTION FROM AN EMERGING COUNTRY R. Restu, I. Febrilia, A. Warokka	10057
STUDENT'S EXPERIENCE ON CYBERBULLYING R. Kushta	10058
GENERIC SKILLS ASSESSMENT IN THE ELECTRICAL ENGINEERING DEGREE AT UNIVERSITY OF ALMERIA	10062
E Manzano Agualiaro E Salmarón Manzano I A Carrido Cárdanas A Alcanda E C Montona	

THE DEVELOPMENT OF THE INNOVATIVE CAPACITY OF LATVIA M. Zivitere, V. Riashchenko, I. Linde	10071
ANALYSIS ON THE APPLICABILITY OF GAMIFICATION IN AN ENGLISH LANGUAGE CLASS OF 3RD E.S.O C. Moncho Puchol	10075
THE BLENDED CLASSROOM: HOW TEACHERS CAN USE BLENDED AND MOBILE LEARNING TO ENGAGE THEIR STUDENTS IN EXCITING NEW WAYS! P.C. Wilkinson	10086
COLLABORATION IN ON-LINE LEARNING D. Mara	10087
HOW DOES THE MAKER MOVEMENT AFFECT THE SCHOOL ADMINISTRATIONS' ROLES ON IMPROVING THE STEM EDUCATION?  G. Sart	10092
THE CHALLENGES OF THE HIGHER EDUCATION MANAGEMENTS IN THE ACCELERATION OF INNOVATION BASED RESEARCH AND DEVELOPMENT G. Sart	10093
VIRTUAL. INTERNATIONAL. JOB ORIENTATED. – PRESENTATION OF THE INTERNATIONAL STEM SUMMER SCHOOL C. Nenner, A. Bergert, A.N.A. Sackey	10094
ESCUELA NUEVA ACTIVA: QUALITY EDUCATION FOR PROMOTING EQUITY, PEACE AND DEMOCRACY V. Colbert	10095
WHERE IS HIGHER EDUCATION GOING? WHAT CHANGES CAN WE ANTICIPATE NOW?  B. Alexander	10096
DIGITAL PARTICIPATION IN AN OPEN INNOVATION PLATFORM: AN EMPIRICAL STUDY ON SMART CITIES  J. Ojasalo, L. Tähtinen	10097
HELPING TO LEARN A PROCESS USING A VISIT TO INDUSTRIAL COMPANIES M. Delgado-Aguilar, J. Tarrés, X. Espinach, F. Julián, M. Alcalà	10108
NEW APPLICATIONS TO HELP STUDENTS UNDERSTAND SOME CHEMISTRY PROCESSES  J. Tarrés, I. Pérez, M. Delgado-Aguilar, H. Oliver, M. Alcalà	10109
SENIOR CITIZENS LEARNING ON-LINE; NEEDS AND EXPECTATIONS P. Escuder-Mollon, A.M. Lipphardt	10110
ANALYZING ACTIVE LEARNING STRATEGIES IN GREECE AND LATVIA: LESSONS LEARNT AND THE WAY AHEAD  A. Misseyanni, L. Daniela, M. Lytras, P. Papadopoulou, C. Marouli	10117
GENDER ISSUES IN EDUCATION IN THE GAMBIA L.M. Jadama, I.A. Touray, L. Fatajo	10125