INTED2018 TABLE OF CONTENTS

AUTOMATION OF THE DESIGN AND DEVELOPMENT OF DIGITAL EDUCATIONAL RESOURCES FOR E-LEARNING IN ARCHITECTURAL GRAPHIC EXPRESSION R. Moreno, A.M. Bazán, E. Peis, E. Herrera-Viedma	1
THE IMPACT OF THE ENVIRONMENT ON THE INTEREST IN COMPUTER SCIENCE STUDIES T. Zientarski, G. Koziel, M. Zientarska	12
TEACHING INNOVATION THROUGH COLLABORATIVE LEARNING TO GENERATE A MODEL OF MOTIVATION R. Gurbutt	18
HEI ENGAGEMENT WITH EXTERNAL STAKEHOLDERS: THE INFLUENCE OF STAKEHOLDER SALIENCE AND INSTITUTIONAL ISOMORPHISM R. Vance Lee, R. Kelly	26
THE DIDACTICAL USE OF TABLETS: A BALANCING ACT BETWEEN TEACHER-CENTRED AND LEARNER-CENTRED EDUCATION H. Montrieux, T. Schellens	37
USING WEBQUESTS FOR ESP TRAINING: CASE STUDY OF ECOLOGY STUDENTS M. Rudneva, N. Valeeva, Y. Nigmatzyanova, A. Guslyakova, K. Ulanova	45
DEVELOPING LANGUAGE AND CULTURAL AWARENESS THROUGH READING CONTEMPORARY LITERARY PROSE J. Bérešová	49
UNIVERSITY ECOLOGICAL ORCHARD AS AN INTEGRATING LEARNING SPACE: WEAVING PARTICIPATORY NETWORKS AT THE UNIVERSITY OF CADIZ L. Aragón, A. Amores-Arrocha, A. Jiménez-Cantizano	56
EDUCATIONAL STRATEGY IN TEACHING JOURNALISM STUDENTS: HOW TO CREATE THEMATIC VARIETY IN ELECTRONIC MEDIA COMMUNICATION S. Nikitina, T. Spirchagova, A. Gilmanova, E. Kapustina	61
THE TEACHING EFFECT OF THE "PAD + MICROLECTURES" MODEL IN CHINESE NON-ENGLISH MAJOR UNDERGRADUATE EAP CLASSES L. Liu	70
INCLUSIVE DESIGN AND PRACTICES IN EDUCATION: A CONCEPTUAL LITERATURE REVIEW S. Ozdemir, A. Sungur Ergenoglu	74
THE MAIN FEATURES OF STRATEGIC BUSINESS CONSULTING IN THE CONDITIONS OF DIGITAL ECONOMY Y. Babanova, A. Dolinskaia, A. Kolyada	81
EDUCATIONAL STRATEGY IN TEACHING MEDIA COMMUNICATION STUDENTS: HOW TO NEUTRALIZE CONFLICT SITUATIONS IN MASS COMMUNICATION S. Nikitina, T. Spirchagova, A. Gilmanova, I. Korneva	91
ASSESSING AND EVALUATING THE STUDENT OUTCOMES IN LINE WITH CONTINUOUS IMPROVEMENT PROCESS - A CASE STUDY IN ENVIRONMENTAL ENGINEERING UNDERGRADUATE PROGRAM C. Yangin-Gomec, G.E. Zengin-Balci, B. Kaynak-Tezel, A. Tanik, D. Okutman-Tas	99
IMPROVEMENT OF PSYCHOEMOTIONAL CLIMATE IN STUDENTS' VOLLEYBALL TEAMS	107
E. Cherepov, G. Kalugina, A. Khafizova, G. Yakovleva	
SEARCHING AND MANAGEMENT TOOLS OF SCIENTIFIC-TECHNICAL INFORMATION FOR THE DEVELOPMENT OF ACADEMIC WORKS IN ENOLOGY DEGREE A. Jiménez-Cantizano, V. Palacios, L. Casas, A. Amores-Arrocha	112
DEVELOPING EFL READING COMPREHENSION COMPETENCE TO STUDENTS WITH LEARNING DIFFERENCES: EVIDENCE FROM A TECHNOLOGY-ENHANCED LEARNING ENVIRONMENT T. Liontou	117
SYNTHESIS, STRUCTURE AND STRATEGY FOR BUILDING FUTURE SKILLS OF BUSINESS SCHOOL R.A. Nasution, D. Arnita	122
GAME TECHNIQUES TO PROMOTE CONTINUOUS TRAINING OF STUDENTS D. Fernández, V. Carneiro, F. I. Novog, F. Cacheda	141

COMPLEX FRAME MODEL OF SUBJECT FIELD LIFE SAFETY AS THE WAY OF DOMAIN-SPECIFIC KNOWLEDGE REPRESENTATION IN ENGLISH AND RUSSIAN E. Priorova, M. Svyatova, S. Vekovishcheva	146
WAVE EXPERIMENT BASED ON THE ARDUINO ELECTRONICS AND THE MOBILE APPS C.C. Yu, J.H. Hsu, Q.H. Yang, W.T. Hsieh	153
FLIPPED CLASS EXPERIMENTATION WITH ITS STUDENTS WITHIN FOOD4GROWTH PROJECT	158
P. Busato, A. Sopegno, D. Rossi, M. Contel, I. Russiello, F. Bianchi, R. Berruto INTERACTIVE EDUCATIONAL APPLICATION USING VR IN A SMARTPHONE T. Szymczyk	164
SUPPORT OR BARRIER? THE NEED TO FOSTER POSITIVE EXPECTATIONS IN PARENTS OF CHILDREN WITH DOWN SYNDROME: A LITERATURE REVIEW K. Armijos-Yambay, J.A. Jordán-Sierra	170
PRESENTATION OF THE MOST INTERESTING GEOGRAPHICAL PLACES USING VIRTUAL REALITY TECHNOLOGY T. Szymczyk	176
USE OF TYPOLOGICAL FEATURES OF THE ARABIC LANGUAGE IN THE FORMATION OF STUDENTS' LEXICAL SKILLS T. Vavichkina, Y. Vlasova, E. Paymakova, N. Morozova	186
A SURVEY FOR POLICIES AND STRATEGIES FOR ICT IMPLEMENTATION IN THE LEARNING PROCESS A. Aleksieva-Petrova, A. Dorothee, M. Petrov	192
BRAIN COMPUTER INTERFACE IN ENHANCED LEARNING SYSTEM G. Zaharija, P. Bogunović, S. Mladenović	198
HIGHER EDUCATION STUDENTS' PERCEPTIONS OF VALUES ON THE INTERNET P. Alves, C. Morais, P. Renes, L. Miranda	206
THE USE OF KAHOOT APP IN TEACHING NATURAL HISTORY ON GRAMMAR SCHOOL L. Benediktova	216
COMPETENCIES AND EMPLOYABILITY OF ECONOMICS GRADUATES: EMPLOYERS' PERSPECTIVE K. Črnjar, G. Karanović, H. Maskarin Ribarić	221
BRINGING DESIGN AND ENGINEERING STUDENTS TOGETHER IN A GAME DEVELOPMENT COURSE H. Miranda, R. Nakamura	228
TRAINING IN COMPETENCES IN THE BACHELOR'S DEGREE THESIS: EXPERIENCES AND FUTURE CHALLENGES A. Soler-Domínguez, D. Bayona-Cuallado, E. Granell-Miguel, J.M. Ramos-Mezquita	233
SELF-ORGANISED PROFESSIONAL DEVELOPMENT - THE TEACHMEET PHENOMENON	239
M. Amond, K. Johnston, R. Millwood	
WHEN FUN COMES INTO THE CLASSROOM: USING GAMIFICATION TO ENGAGE STUDENTS AND ENTREPRENEURS IN VOCATIONAL EDUCATION AND TRAINING D. Bayona-Cuallado, A. Soler-Domínguez, E. Granell-Miguel, J.M. Ramos-Mezquita	249
PROFESSIONAL FOREIGN LANGUAGE COMMUNICATIVE COMPETENCE OF ECOLOGIST N. Valeeva, M. Rudneva, YU. Nigmatzyanova, A. Guslyakova, K. Ulanova	256
USING PROBLEM-BASED LEARNING IN BUSINESS PROFESSIONAL SKILLS DEVELOPMENT	261
D.L. das Graças Conceição, C. Fernandes de Muÿlder, E. Marquiere Reis Silva, D. Kinsk Reis Silva INNOVATING HIGHER EDUCATION AND FACULTY COMPETENCES BY	268
PERFORMING PRACTICE BASED RESEARCH G. Huiszoon	∠08
EDUCATIONAL ROBOTICS AS A NEW CHALLENGE FOR TRAINING PRE-SERVICE TEACHERS J. Bafko, L. Rohlíková	272
CROSSROADS: A GROUP OF STUDENTS AND FACULTY FROM THE UAE PRESENTED THEIR VIEWS ON CULTURAL EXCHANGE ON A MULTI-DIMENSIONAL MEDIA-FACADE IN SAO PAOLO, BRAZIL F.H. Beck, Z. Filipovic	281

EMOTIONAL CHARACTERISTICS AND STYLES OF PEDAGOGICAL COMMUNICATION OF EDUCATORS A. Belousova, G. Kozhukhar	291
BARRIERS ON THE WAY OF INCLUSIVE EDUCATION IN MODERN RUSSIA E. Grunt	299
OPEN BOOK OPEN WEB EXAMINATION: INNOVATION IN ASSESSMENT USING ICTS F. Marimuthu	305
EXPLORING BEST PEDAGOGICAL PRACTICES FOR VIRTUAL CLASSROOMS <i>R. Kay</i>	311
THE USE OF FACEBOOK IN THE TEACHING / LEARNING PROCESS AND ITS INFLUENCE ON ENGAGEMENT AND ACADEMIC PERFORMANCE V. Pereira, E. Oliveira	318
MULTIDISCIPLINARY TECHNOLOGIES FOR CREATING VIRTUAL MUSEUMS – A CASE OF ARCHAEOLOGICAL MUSEUM DEVELOPMENT J. Montusiewicz, M. Miłosz, J. Kęsik, R. Kayumov	326
GENERIC SKILLS IN HIGHER EDUCATION CURRICULUM DESIGN: STUDENTS' PERCEPTIONS T. Õunapuu, P. Einpaul	337
AN EXPLORATORY STUDY OF STUDENT-CENTREDNESS AT A UNIVERSITY OF TECHNOLOGY F. Marimuthu	345
THE CONCEPT OF LOW-COST INTERACTIVE AND GAMIFIED VIRTUAL EXPOSITION J. Montusiewicz, M. Barszcz, S. Skulimowski, R. Kayumov, M. Buzrukov	353
ICT TEACHERS' AND DISTANT ICT STUDENTS' APPROACH TOWARDS WORK AND COMMUNICATION IN VLE E. Butrime, V. Melninkaite, R. Valteryte, V. Statkeviciene	364
CREATING A FRAMEWORK FOR SELECTING AND EVALUATING EDUCATIONAL APPS R. Kay	374
GRADUATED STUDENTS FROM THE COMPUTER SCIENCE FACULTY OF MAZATLAN: THE CHALLENGE BEGINS M.C. Olivarría González, J.F. Peraza Garzón	383
PROFESSIONAL FOREIGN LANGUAGE TEACHER EDUCATION IN THE UNITED STATES: TRANSFERRING LEARNING INNOVATIONS D. Sabirova, R. Khanipova, A. Akmaeva	393
USE OF SOCIAL MEDIA BY ACADEMIC TEACHERS IN HIGHER EDUCATION - ATTITUDES, OPPORTUNITIES AND THREATS B. Hysa	398
INTRODUCTION TO THE WORLD OF INSECTS: A DIDACTIC RESEARCH IN KINDERGARTEN G. Grando, S. Bramuzzo, P. Irato, L. Guidolin, L. Ferrari, G. Santovito	404
SQUIRLROB: A DO IT YOURSELF ARDUINO AND SMARTPHONE HARDWARE AND SOFTWARE PLATFORMS FOR ROBOTICS EDUCATION V. Costa, D. Santos, A. Sousa	413
TEACHING SKILLS IN ICT IN TECHNICAL DEGREES: APPLICATION TO THE CASE OF THE UNIVERSITY OF LA LAGUNA E. Rosales-Asensio, E. González-Cabrera, I. Ruigómez-Sempere, D. Borge-Diez	423
IDENTIFICATION OF THE FACTORS THAT OPTIMIZE THE RESULTS OF CONTINUOUS EVALUATION IN HIGHER EDUCATION M.I. López Rodríguez, D. Palací-López, J. Palací	427
RELATIONSHIP BETWEEN THE RESULTS OF THE CONTINUOUS ASSESSMENT PROCESS AND THE FINAL PERFORMANCE OF THE UNIVERSITY STUDENT: FINDING THE EXPECTATIONS M.I. López Rodríguez, D. Palací-López, J. Palací	433
FROM CELL TO INHERITANCE OF CHARACTERS: AN INTRODUCTION TO CLASSICAL GENETICS IN PRIMARY SCHOOL N. Tura, L. Guidolin, P. Irato, G. Santovito	439
DEVELOPING BUSINESS MENTORING TRAINING IN INTERNATIONAL CO- OPERATION M. Kuusisto, U. Kotonen	448

DIGITAL TRANSFORMATION AND DESIGN OF TEACHING ACTIVITIES FOR COMPETENCY-BASED LEARNING IN SUPERIOR GRADE FORMATIVE COURSES V. Roger-Monzó, F. Castelló-Sirvent	454
TO THE QUESTION ABOUT THE ROLE OF TRANSLATION IN TEACHING THE LANGUAGE OF SPECIALTY I. Meshkova, O. Sheremetieva, L. Spynu	458
HOW TO MAKE A TRADITIONAL PROJECT MANAGEMENT MORE AGILE – AN EDUCATIONAL NEED J. Betta, A. Skomra	462
HOMOGENEITY VERSUS HETEROGENEITY IN TEAM FORMATION. AN INTERNATIONAL COMPARISON T. Vallet-Bellmunt, T. Martínez-Fernández, E. Reyes, Jr.	471
SIMPLIFIED BIOSIGNAL PROCESSING BLOCKS FOR PROTOTYPING AND EDUCATIONAL APPLICATIONS M.E. Romero, R. Vangal	479
DISSEMINATION OF PALEONTOLOGICAL HERITAGE THROUGH THE USE OF NEW TECHNOLOGIES: THE EXAMPLE OF THE SOMOSAGUAS SITE (MADRID, SPAIN) J.A. Cárdaba, M. Presumido, O. Fesharaki, D.M. Martín-Perea, I. Prieto	488
THE COMPETENCE OF ORAL COMMUNICATION IN ACADEMIC CONTEXTS FROM THE STUDENT POINT OF VIEW V. Tuomaite, E. Butrime	497
THE EFFECT OF ENJOYMENT ON LEARNING J. Hernik, E. Jaworska	508
EDUCATIONAL QUALITY AND EVALUATION CRITERIA: THE UNIVERSITY OF LA LAGUNA CASE E. Rosales-Asensio, E. González-Cabrera, I. Ruigómez-Sempere, D. Borge-Diez	515
THE FINANCIAL REPORTING AND ITS PERCEPTION IN DIFFERENT NATIONAL ENVIRONMENTS: THE CASE OF THE CZECH REPUBLIC AND CHINA REPUBLIC D. Kubickova, V. Nulíček	520
CURRICULUM DESIGN: HISTORY OF PORTUGUESE ARCHITECTURE AND THE INTEGRATED MASTER'S DEGREE IN ARCHITECTURE A.M.T Martins	530
FROM KNOWING TO ACTING: REFLECTIONS ON AN ACTION-RESEARCH PROCESS DEVELOPED TO CREATE OPPORTUNITIES FOR SOCIAL INCLUSION E. Montenegro Marques	536
TEACHER CANDIDATES AND LEARNING DISABILITIES: NEGOTIATING ACADEMIC AND PERSONAL STRUGGLES TO FIND SUCCESS K. Graham	541
IS THERE AN ELEPHANT IN THE ROOM: THE PEDAGOGY OR PROFESSIONAL ENGINEERING EPISTEMOLOGY? J. Rojter	552
PROCESS FOR IDENTIFYING AND FORMULATING ISSUES FOR INQUIRY S. Dugal, L. Adair, B. Adamo, J. Anderson, M. Barry, R. Belisle, N. Bottai, M. Carraher, C. Clifford, G. DeLuca, C. DeVincentis, M. Estevez, G. Garcia, H. Gifford, K. Gloeckner, B. Higgins, S. King, C. Kurtz, K. Lynch, K. MacEachern, D. Mayhew, B. Mendes, A. Nardella, A. Nedwidek, B. Nozzi, J. Odonnell, E. Ridley, S. Roberts, B. Schreiber, H. Stamnes, A. Stikeman, K. Theriault, M. Troiano, N. Thomas, L. Vanghele, D. Vespia, J. Zito	559
INFORMAL LEARNING TECHNIQUES TO ENHANCE THE SPECIFIC COMPETENCY ACQUISITION DURING THE FIRST COURSES OF TECHNICAL DEGREES B. Bordel, R. Alcarria, T. Robles, A. Sánchez-Picot	560
SHOULD WE STILL USE TRADITIONAL MANUAL ACCOUNTING TECHNIQUES TO LEARN THE BASICS OF UNDERGRADUATE STUDIES? C. Kotyla	568
"PETIT A PETIT, L'OISEAU FAIT SON NID": FROM CLASSROOM TO TOURISTIFYING SABAH R. Ariffin, M. Berbiche, R. Hashim	574
IDENTIFYING COMPETENCIES FOR TAKING ONLINE COURSES SUCCESSFULLY I. Malkova, O. Babanskaya, U. Zakharova, E. Ryltseva, G. Mozhaeva, K. Tanasenko	575
ENHANCING STUDENT KNOWLEDGE, THROUGH THE INTRODUCTION OF GENERAL EDUCATION IN UNDERGRADUATE PROGRAMMES U. Ramraj	582

CHANGING INFORMATION LITERACY TRAINING OF UNDERGRADUATE STUDENTS IN EUROPE THROUGH THE GAME-BASED LEARNING APPROACH M. Encheva, P. Mukanova, P. Zlatkova, V. Zagorov	587
ASSESSMENT OF THE EFFECTIVENESS OF THE EKOETXEA BIODIVERSITY INTERPRETIVE CENTER IN THE PROMOTION OF THE CONNECTEDNESS WITH NATURE A. Sedano, A. Ortuzar, J.R. Díez	593
RES LOGICA MAGISTER. TESTING WITH TEACHERS A GAMIFICATION-BASED TABLET APP FOR LANGUAGE LEARNING L. Bollini	598
"I HATE TO READ": ELEMENTARY EDUCATION TEACHER CANDIDATES DESCRIBE THEIR READING STANCES K. Graham, C. Bollinger	608
THE EFFECTS OF INCREMENTAL GRADING AND OPTIONAL HOMEWORKS ON STUDENT MOTIVATION P. Armyanov, A. Semerdzhiev, K. Georgiev, T. Trifonov	618
EMPIRICAL MODEL FOR ASSESSING QUALITY IN EDUCATIONAL INSTITUTIONS R.A. Alcívar Espín, K. Pinos León	626
CLIMATE CHANGE: MENTAL MODELS THAT BASQUE TEACHERS, PRE-SERVICE TEACHERS AND STUDENTS HOLD AND CONCEPTUAL GAPS IN TEXTBOOKS THEY USE N. Etxepeteleku, A. Ortuzar, J.R. Díez	633
MODELLING OF AN EDUCATIONAL PROFILE OF A STUDENT BY ANALYZING PUBLIC USER DATA FROM SOCIAL NETWORKS A. Feshchenko, V. Goiko, V. Matsuta, A. Stepanenko, P. Kiselev	640
INVESTIGATING RELATIONSHIP BETWEEN STUDENTS' MOTIVATION AND LEARNING ACHIEVEMENT IN A PROJECT-BASED LEARNING COURSE T. Hayama	647
FACTORS AFFECTING LISTENING IN L2 LEARNING T. Rasskazova, N. Glukhanyuk	656
TEACHING ENGLISH VIA SKYPE: CHALLENGES AND OPPORTUNITIES E. Fedorova, T. Rasskazova, A. Muzafarova	663
HIGHER EDUCATION IN THE REGION: FORECASTS AND DEVELOPMENTAL SCENARIOS OF INSTITUTIONAL INTERACTIONS E. Shuklina	668
THE USE OF A GAME-BASED LEARNING PLATFORM TO TEACH MATHEMATICAL STATISTICS L. Urazaeva	673
INTERACTIVE ANIMATIONS AS A SUPPORT FOR THE ALGEBRAIC PART OF THE PROSPECTIVE PRIMARY SCHOOL TEACHERS' MATHEMATICAL PREPARATION K. Bártek, D. Nocar, E. Bártková	679
FROM THE INTERNET OF THINGS (IOT) TO THE INTERNET OF EDUCATION (IOED): THE DEFINITION AND EMPIRICAL MODEL OF IOED R.A. Alcívar Espín, J.D. Alcívar Espín	684
GMB WORKSHOP: APPLYING GROUP MODEL BUILDING IN CLASSROOM TO CONCEPT'S SHARED UNDERSTANDING, DEFINITION AND SOLUTION M. Ruiz, U. Elorza, N. Zabaleta	689
RESEARCH ON THE IMPACT OF INTEGRATING TEACHING AND LEARNING CONSTRUCTIVIST PRINCIPLES IN THE EDUCATIONAL PROCESS	697
N. Voinohovska, S. Tsankov, E. Goranova	5 00
HIGHER EDUCATION ENTRY BARRIERS IN MODERN RUSSIA E. Grunt, N. Antonova	702
EVALUATION OF MATHEMATICAL SKILLS OF NEWLY ADMITTED STUDENTS OF BACHELOR STUDY J. Gazdikova, G. Bohmova	706
MOTIVATION ANALYSIS IN THE TEACHING - LEARNING PROCESS: APPLICATION OF DIFFERENT METHODOLOGIES IN THE ECONOMY CLASSROOM A. Haro-de-Rosario, M.M. Gálvez-Rodríguez, B. Garre-Picazos	714
TEAM WORK AND DROPBOX: AN EXPERIENCE IN INTERMEDIATE AND ADVANCED VOCATIONAL TRAINING EDUCATIONAL CYCLES M.M. Gálvez-Rodríguez, A. Haro-de-Rosario, A.T. García-Pérez	720

DEVELOPMENT OF SECURITY AT THE LOCAL LEVEL THROUGH PRACTICAL STUDENTS TRAINING M. Boroš, M. Kutaj, L. Mariš, A. Velas	725
RESEARCH ON PROFESSOR SATISFACTION WITH FLIPPED TEACHING IN HYBRID EDUCATION S. Sousa Santos, M.J. Peset Gonzalez, J. Muñoz Sepulveda	730
CREATING CURRICULA FOR CONTEMPORARY CONTEXTS: TOWARDS A REVISED MODEL OF CURRICULUM DESIGN E. Sadera, J.P. Egan	738
GAMES: THE WAY AFFECTS ADULTS' COGNITIVE AND AFFECTIVE SKILLS IN LEARNING B. Sonyel, M. Muradzikwa, M. Shublaq, A. Canay	744
THE IMPACT OF COMPUTER-MEDIATED COMMUNICATION ON EFL LEARNERS' ACADEMIC WRITING: A CASE STUDY H. Boumediene, F. Kaid Berrahal, M. Bala Bavahardji, M. Bouakkaz	753
THE INFLUENCE OF LEARNING STYLES IN MARKETING SIMULATION GAMES M. Gutierrez-Salcedo, C. Marano-Marcolini, M. Vega-Zamora, R. Barreda-Tarrazona	760
A SCIENTIFIC CONGRESS FOR THE STUDENTS OF 3RD ESO E. Ortega Torres, A. Martin, V. Sastre, V. Castro	767
CHOSEN MISCONCEPTIONS IN "HOUSEHOLD PHYSICAL CHEMISTRY" AMONG SECONDARY SCHOOL PUPILS AND UNDERGRADUATES H. Cídlová, K. Kohoutková, M. Bortlíková	773
ADAPTATION OF THE UNIVERSITY STUDIES TO THE NEW EUROPEAN EDUCATION FRAMEWORK: ANALYSIS OF THE EVOLUTION IN ENGINEERING DEGREES A. Filgueira Vizoso, A.I. García Diez, L. Castro Santos, J.L. Mier Buenhombre, C. Camba Fabal	780
CHEMICAL CALCULATIONS - A DETERMINING FACTOR IN THE DEVELOPMENT OF KEY COMPETENCES OF PUPILS IN CHEMISTRY EDUCATION AT CZECH LOWER SECONDARY SCHOOLS H. Cádlová, P. Ptáček	785
ENTREPRENEURSHIP EDUCATION BETWEEN PERCEPTIONS AND EXPECTATIONS. CASE STUDY: UNIVERSITY POLITEHNICA OF BUCHAREST C.G. Alexe, D.C. Deselnicu, A. Ioanid, B. Ţigănoaia, C. Mustață	791
PYTHAGOREAN THEOREM - MOBILE APPLICATION P. Voštinár	800
METHODOLOGIES, TECHNOLOGIES AND TEACHING TOOLS FOR THE TEACHING AND LEARNING OF ENVIRONMENTAL ENGINEERING M. Corral Bobadilla, R. Lostado Lorza, F. Somovilla Gómez, E.P. Vergara González, S. Iñiguez Macedo	806
CREATING MOBILE APPS FOR TEACHING P. Voštinár	811
PERCEPTIONS OF STUDENTS WITH SPECIAL EDUCATIONAL NEEDS AND DISABILITIES TOWARDS THE USE OF E-ASSESSMENT IN ONLINE AND BLENDED EDUCATION: BARRIER OR AID? I. Noguera, A.E. Guerrero-Roldán, R. Peytcheva-Forsyth, B. Yovkova	817
STUDYING EPONYMS IN IT-SPHERE AS A LINGUISTIC CHALLENGE IN AN ESL- CLASS	829
A. Rybakova, A. Vladimirova, M. Ershov	
SIMULATION GAME TO MATCH PRODUCTION AND DEMAND OF FRESH FRUIT MARKET A. Sopegno, P. Rota, P. Busato, R. Berruto	834
HUMAN RESOURCES DEVELOPMENT: A CONTEMPORARY PROFILE V. Meirinhos, F. Vaz	839
USE OF MATLAB SIMULINK FOR SIMULATING RC CIRCUITS RESPONSE IN PHYSICS CLASSES AS AN ALTERNATIVE TO MATHEMATICAL ANALYSIS S. Arabasi	840
THE FINAL DEGREE PROJECT IN INDUSTRIAL ELECTRONICS AND AUTOMATION ENGINEERING AT THE UNIVERSITAT POLITÈCNICA DE VALÈNCIA. A PENDING SUBJECT	847
J. Ibáñez Civera, N. Laguarda-Miró, E. García-Breijo, L. Gil Sánchez, C.A. Olguín Pinatti TOP MANAGEMENT TRAINING PROGRAMME FOR DEVELOPMENT AND	853
EVALUATION OF CORPORATE CULTURE IN MODERN ENTERPRISES Y. Babanova, A. Dolinskaia, A. Kolyada	333

IMPORTANCE OF THE CHANGES IN THE TEACHING METHODOLOGY WITH REGARD TO THE RESULTS OBTAINED BY THE STUDENT	860
A. Filgueira Vizoso, L. Castro Santos, A.I. García Diez, C. Camba Fabal, J.L. Mier Buenhombre, J.J. Cartelle Barros	
MODELLING, DESIGN AND ASSESSMENT OF FLEXIBLE EDUCATION CONCEPT: KEY COMPETENCES FORMATION AND EFFECTIVE SUPPORT OF STUDENTS MOBILITY AT TECHNOLOGY FACULTIES P. Pavlasek, A. Simonova, D. Koniar, L. Hargas, P. Spanik, T. Urica, A. Prandova	867
MOBILISING AND TRANSFORMING TEACHER EDUCATOR PEDAGOGIES	877
S.L. Jones, K. Burden	
MECHATRONICS, A NEW REALITY AT THE SPANISH UNIVERSITY E. García-Breijo, N. Laguarda-Miró, J. Ibáñez Civera, L. Gil Sánchez, C.A. Olguín Pinatti	878
ROAD MAP OF WOMEN IN TECHNOLOGY: THE CASE OF SAUDI ARABIA M. Al-Razgan, A. Alshawi	883
SENSORIAL PREFERENCES OF LEARNING OF THE SCIENCES OF THE PUPILS OF SECONDARY E. Ortega Torres, V. Sanjose, J.J. Solaz	893
FOSTERING PRE-SERVICE TEACHERS' INTERCULTURAL COMPETENCES IN SHORTTERM STUDY ABROAD $K.\ Oga$	899
DEALING WITH INVASIVE SPECIES IN HIGHER EDUCATION CONTEXTS: THE FRAMING OF INFORMATION MATTERS	904
F.J. Aznar, A.I. Cordoba, M. Fernández, M.A. Raduán, N. Fraija-Fernández, P. Gozalbes, F. Montero, A. Pérez-Del-Olmo, L.I. Llinares-Insa, F. Domènech, O. Revuelta	
IN SERVICE TEACHERS' TRAINING: BETWEEN GOOD PRACTICES AND INNOVATIVE MODELS B. Bocchi	911
UNDERSTANDING REFLECTANCE AND ABSORBANCE USING SPECTROMETRIC MEASUREMENTS F.J. Martínez-Guardiola, R. Fernández, S. Bleda, M.L. Álvarez, A. Márquez, S. Gallego	916
ACADEMIC CAREER GUIDANCE FOR INTENDING LINGUISTS: CHALLENGES AND PROSPECTS T. Morozova, F. Shigapova, E. Mukhametshina	921
DIVERSIFYING INTERNATIONAL EXCHANGE PROGRAMS: A CASE STUDY FROM TOKUSHIMA UNIVERSITY, JAPAN Y. Fukuoka, D. Sturge	927
SOCIAL NETWORKS FOR ACTIVE LEARNING IN THE FIELD OF ENVIRONMENTAL ENGINEERING	932
C. Hernandez-Crespo, M. Paches, I. Romero, J. Mengual, J.A. Gonzalez-Romero, J. Paredes, R. Barat TEACHING PRACTICE: PILOT SCALE RECYCLING OF BOTTLE CAPS M. Aldas, M.D. Samper, A. Carbonell-Verdu, M.P. Arrieta	938
HOW TO DESIGN STEAM PROJECTS FOR PRIMARY SCHOOL IN SPAIN F. Ruiz Vicente, A. Zapatera, N. Montes	944
EDUCATION IN PRACTICE: EFFECTS OF VOCATIONAL PROGRAMS/CURRICULUM ON PROFESSIONAL SUCCESS AND FINDING EMPLOYMENT D. Ünveren Kapanadze, A. Kaçar	953
TEACHING PRACTICE: PILOT SCALE PRODUCTION OF A BIODEGRADABLE POLYMER M. Aldas, J.M. Ferri, D. Garcia-Garcia, J. Lopez-Martinez	961
PROJECT TRANSFORMACIJA BROUGHT INNOVATIONS TO LOCAL COMMUNITY: THE CASE OF CROATIA J. Legcevic	970
A NOVEL EDUCATIONAL PLATFORM BASED ON MATLAB/SIMULINK/LEGO EV3 FOR TEACHING WITH ROBOTS N. Montes, N. Rosillo, M. Mora, L. Hilario	975
THE LEVEL OF METACOGNITIVE KNOWLEDGE WITHIN READING COMPREHENSION: QUASI-EXPERIMENTAL RESEARCH J. Rican, I. Simonova	981
THE CONSTRUCTION ENGINEER: FROM "DESKTOP MANAGER" TO COMPETENT PRACTITIONER OF HEALTH, SAFETY AND ENVIRONMENT WORK T. Åsgård. D.A. Danielsen	988

THE RESULTS OF ONLINE ENGLISH PLACEMENT TEST: ITS ADVANTAGES, LIMITATIONS AND MODIFICATION (FROM THE EXPERIENCE OF URAL FEDERAL UNIVERSITY) N. Sazonova, S. Ivanova	998
RESEARCH ON SOFT SKILLS WITH UNDERGRADUATE STUDENTS OF FACULTIES OF EDUCATION IN THE CZECH REPUBLIC J. Skoda, P. Doulik, I. Simonova	1006
THE 5-DOOR APPROACH TO ELEARNING FOR THE INTERREG EXCELLENCE IN RESEARCH, SOCIAL, AND TECHNOLOGICAL INNOVATION MANAGEMENT (EXCELLENCE-IN-RESTI) R. Rowland, G. Weiss, I. Zavrl, J. Praith, C. Kummer	1016
IMPROVING THE TUTORIAL ACTION THROUGH THE EMPLOYMENT OF SOCIAL NETWORKS AND WEB 2.0 TOOLS: A STUDY CASE B. Bordel, R. Alcarria, M. Pérez-Jiménez, M.M. Sanz Lluch	1023
TEACHING THE NEXT GENERATION: ENGAGING AND EMPOWERING THE LEARNERS OF TOMORROW M. Docherty	1030
MEET YOUR VIRTUAL CLIENT - DEVELOPING A FULLY INTERACTIVE LEARNING EXPERIENCE A. Lopez Forero, R. Hathaway	1040
PROMOTING VIRTUAL EXCHANGES THROUGH TELECOLLABORATION G. García Pérez, M. Blum, M. Kriscautzky, A. Sánchez González	1046
PREPARING A PRACTICAL EXPERIENCE FOR STATISTICS LEARNING IN HEALTH SCIENCES A.V. Garcia Luengo	1052
MISCONCEPTIONS IN EDUCATION OF PHYSICS AMONG CZECH SECONDARY SCHOOL GRADUATES I. Vlkova, M. Miklosikova, M. Malcik	1057
MUSICAL TRAINING IN THE DEGREE OF PHYSIOTHERAPY: INNOVATING WITH DALCROZE M.M. Bernabé, M. Zarzoso, V. Martínez, P. Serra, M. Aguilar	1062
USING E-ASSESSMENT SOFTWARE TO SUPPORT FORMATIVE ASSESSMENT: A PHENOMENOGRAPHIC STUDY OF INSTRUCTORS' EXPERIENCES V. Stefanou, M. Kotsovoulou, D. Makri	1066
UNDERLYING CAUSES OF THE GEOGRAPHIC CHOICE DECISION OF US BUSINESS STUDENTS TO STUDY ABROAD J. Reardon, C. Miller, D. McCorkle, V. Auruškevičienė	1076
CHALLENGES OF MULTICULTURAL HIGHER EDUCATION IN GEORGIA N. Doghonadze, M. Zoranyan	1077
TECHNOLOGY, CRITICAL CONSCIOUSNESS AND ENGAGEMENT A. Gitlin	1086
EXPLORING ENTREPRENEURSHIP EDUCATION IN JAPAN S.L. Birchley	1087
THE USE OF DIDACTIC METHODS TO TEACH COMPETENCES AT GERMAN UNIVERSITIES – A QUANTITATIVE ANALYSIS ACROSS DIFFERENT DEPARTMENTS R. Bochmann, A.L. Roepke, J. Johannschröder, M. Reiher, H. Rindermann	1097
A SURVEY TO NIGHT-SHIFT NURSES ANALYZED BY MEDICAL STUDENTS M. Vergés	1107
FACILITATORS TO THE TRANSITION TO POST-SCHOOL LIFE OF STUDENTS WITH INTELLECTUAL DISABILITY: A CASE STUDY S.V. Alves, A.P. Cardoso, B. Rego	1117
EVALUATION OF NEW TECHNOLOGIES FOR ICT STUDENTS' EXAMINATION IN HIGHER EDUCATION E. Lukasik, M. Skublewska-Paszkowska	1128
ADOPTING E-PORTFOLIOS IN A LOCAL UNIVERSITY IN SAUDI ARABIA H. Nasseif	1136
A MOBILE APPLICATION FOR MOTION DETECTION USING A BUILT-IN CAMERA AS AN EXAMPLE OF A STUDENT RESEARCH PROJECT M. Skublewska-Paszkowska, E. Lukasik, M. Antoniewski	1146

SOCIAL MEDIA IN INTERCULTURAL COMMUNICATION – THE WAY BEYOND JUST LEARNING LANGUAGES M. Denksteinova, S. Sundh	1154
COOPERATION BETWEEN UNIVERSITY AND SCHOOLS TO PROMOTE MEDIA EDUCATION – AN EXPERIENCE IN ILMENAU, GERMANY P. Berger, J. Wolling	1160
THE DEVELOPMENT OF STUDENT TEACHERS' CLASSROOM MANAGEMENT COMPETENCE AT THE WORKPLACE DURING TEACHER EDUCATION INTERNSHIP T. Adams	1164
COMPUTER TOOLS IN THE TEACHING OF TRANSLATORS AS WEBSITE LOCALIZATION PROFESSIONALS J. Gutiérrez-Artacho, M.D. Olvera-Lobo	1169
SOUND INSPIRATIONS IN MUSICAL EDUCATION OF THE INTELLECTUALLY DISABLED L. Ploch	1176
THE FAMILY IN PERCEPTION OF DISABLED INDIVIDUALS AGAINST PROTEST AS AN EXPRESSION OF INDEPENDENCE L. Ploch	1183
DEVELOP 'CYBER READY' AWARENESS GAME D. Catalui	1196
STUDENTS' PSYCHOLOGICAL BARRIERS TO SPEAKING ENGLISH V. Uliumdzhieva, I. Chernobylskaya, I. Likhacheva, E. Notina, I. Bykova	1197
REQUIREMENTS FOR KINDERGARTEN TEACHERS AND THEIR SUPPORT FROM KINDERGARTEN MANAGEMENT M. Skutil	1202
ATTITUDE OF PRIMARY SCHOOL TEACHERS TO THEIR OWN PROFESSION M. Skutil, M. Faberová	1209
EXPLOITATION OF SOCIAL NETWORKS IN ARTISTIC EDUCATION. AN UNLIMITED WINDOW FOR THE DIFFUSION OF WORKS A. Horno López	1215
BLENDING ELEARNING WITH SOCIAL MEDIA & LMS: A FLIPPED CLASSROOM CASE STUDY IN HIGHER EDUCATION A. Triantafyllidis, K. Leftheriotis, E. Varouchas, G. Vranopoulos, M. Tsoli	1221
REPRESENTATIONS OF MULTI-LITERACY IN TEACHER CANDIDATES' USE OF DIGITAL LANGUAGE S. Li, P. Zhu	1231
DEVELOPMENT OF A PLATFORM TO SIMULATE VIRTUAL ENVIRONMENTS FOR ROBOT LOCALIZATION D. Valiente, Y. Berenguer, L. Payá, A. Peidró, O. Reinoso	1232
FACTORS AFFECTING THE CHOICE OF SURFACE LEARNING OF MATHEMATICS B. Narkeviciene, R. Novikiene, R. Matiukaite, V. Kravcenkiene, L. Macenaite	1242
NARRATIVE EXPLORATIONS OF AGING AND HOW THEY CAN OFFER GUIDANCE TO PROFESSIONALS M. Gibney	1249
FACILITATING CURATION OF OPEN EDUCATIONAL RESOURCES THROUGH THE USE OF AN APPLICATION-LINKED REPOSITORY I. Otero, V. Goyanes, A. Sánchez, D. Docampo	1254
MOROCCO'S ARABIC LANGUAGE EDUCATION JOURNEY: FROM SHAME TO FAME H. Taha-Thomure	1261
DEVELOPING A SIMPLIFIED VERSION OF AEROENGINE SIMULATION TOOLS - THE ETURBO LIBRARY A.J. Ruiz-Rico Ruiz, L. Sánchez de León Peque	1262
TEACHING AND RESEARCH: THE ERASMUS PLUS EXPERIENCE A. Violano, A. Sotiropoulou, E. Triantis	1270
SERVANT LEADERSHIP CHARACTERISTICS OF PRINCIPALS AT AFRIKAANS- MEDIUM PUBLIC SCHOOLS IN KRUGERSDORP: A CRITICAL EVALUATION C. Swart	1277
THEORETICAL CONSIDERATIONS TO DESIGN LEARNER-GENERATED DIGITAL MEDIA (LGDM) ASSIGNMENTS IN HIGHER EDUCATION J. Reyna, J. Hanham, P. Meier	1285

EXPLORING THE ROOT LOCUS METHOD VIA SPREADSHEETS A. Didenko, H. Karki, D. Allison	1293
CURRENT INTERVIEWING TECHNIQUES AND IMPLICATIONS FOR THE MILLENNIAL GENERATION S. Bias, R. Sims, J. Bias	1299
ENGAGING ENGINEERING STUDENTS WITH DAILY STUDY THROUGH FLIPPED CLASSROOM & GAMIFICATION EXPERIENCE J. Ordieres-Meré, A. González-Marcos, F. Alba-Elías	1301
ENGINEERING DESIGN PROJECT OF A GRIPPER FOR ROBOTS MANUFACTURED BY A 3D PRINTER J. Formanek, J. Jirasko	1308
PERSONAL LEARNING ENVIRONMENTS AS THE BASIS OF A NEW COURSE FOR MASTER'S PROGRAMMES J. García-Navarro, A. Jiménez-Rivero, O. Borrás-Gene	1313
IDEAS COMPETITION FOR THE DESIGN AND CALCULATION OF A FOOTBRIDGE IN TALAMANCA DE JARAMA (MADRID) A.B. Berrocal, S. Blanco, J. Bernabéu Larena	1320
PREFERRING PRINT IN A DIGITAL WORLD: AN INTERNATIONAL STUDY OF STUDENTS' ACADEMIC READING BEHAVIORS D. Mizrachi, A. Salaz, J. Boustany, S. Kurbanoglu	1328
PRESENTING AT INTERNATIONAL CONFERENCES AS A COMPETENCE AND A COMPETITIVE ADVANTAGE FOR GLOBAL ACADEMIC EMPLOYABILITY K. Prigozhina, E. Stolyarova, M. Fedotova, N. Ordyntseva	1337
AN ANALYSIS OF THE BARRIERS, USAGE AND TRAINING OF ICT IN HIGHER EDUCATION M.J. Araiza, J.F. Ramírez, M.E. Brosig	1345
THE ANALYSIS OF STUDENTS' EXPERIENCE LIVED IN PRACTICAL STUDIES AT THE HIGHER EDUCATION INSTITUTION: " AS IF YOU BECOME A SPONGE THAT ABSORBS EVERYTHING" R. Bubnys	1353
MEASURING ICT SKILLS: RELATIONSHIP OF THE ITEM DIFFICULTY AND CHARACTERISTICS OF TEST ITEMS M.T. Kaarakainen	1354
AUGMENTED REALITY IN EDUCATION: INTRODUCING THE TOOL AURASMA IN A HYBRID LEARNING CONTEXT TO INCREASE LEARNER AUTONOMY AND MOTIVATION O. Matthioudaki, K. Ioannidou	1364
PROMOTE LEARNING IN EMOTIONAL COMPETENCE ACROSS AN E-LEARNING CONTEXT FOR HIGHER EDUCATION R. Gilar, T. Pozo-Rico, B. Sanchez, J.L. Castejón	1374
SUITABLY CHOSEN PROBLEMS FOR THE EXPLORATION OF PROSPECTIVE MATHEMATICS TEACHERS' SELF- EFFICACY R. Dofková, T. Zdráhal	1381
THE RESPONSIBILITY FOR STUDENTS' ACHIEVEMENTS APPLIED TO PRE-SERVICE ELEMENTARY SCHOOL MATH TEACHERS R. Dofková, T. Zdráhal	1387
THE ROLE OF INTERNATIONAL EXPOSURE IN URBAN DESIGN EDUCATION "CASE STUDY OF REAL CITY LAB" A. Radwan, A. Morsi	1395
TEACHERS' MOTIVATION AND ATTITUDES TOWARDS THE IMPLEMENTATION OF FLIPPED LEARNING IN ENGLISH LANGUAGE TEACHING A. Bouali	1411
MLEARNING: POWERFUL LEARNING TOOLS FOR EAP IN HIGHER EDUCATION N. Nakhla, R. M Rafik Khalil, S. Fahim	1418
PROJECT-BASED-LEARNING: LOOK AT TEACHER TRAINEES' EXPERIENCES D. Tsybulsky, M. Gatenio-Kalush, M. Abu Ganem, E. Grobgeld	1424
DNA ORIGAMI, IN SILICO AND WET LAB APPROACHES BRING SCIENTIFIC RESEARCH TO HIGH SCHOOL. THE ASSESSMENT OF STUDENT SATISFACTION AND LEARNING AS IMMEDIATE FEEDBACK TO IMPROVE THE TEACHING STYLE R. del Gaudio	1431

DOCENDO DISCIMUS: HOW TO IMPROVE COMMUNICATION SKILLS AND MOTIVATE UNDERGRADUATE LIFE-SCIENCE STUDENTS UNDER THE MOTTO "SHARING ELECTROPHORESIS: TOWARDS NEW HORIZONS" R. del Gaudio	1433
COMPARATIVE ANALYSIS OF STUDENTS AND PARENTS' PERCEPTION ON THE IMPLEMENTATION OF UNIVERSAL BASIC EDUCATION (UBE) PROGRAM FOR CHILDREN WITH HEARING IMPAIRMENT IN AKWA IBOM STATE, NIGERIA F. Uko	1434
LEVEL OF SATISFACTION WITH THE ADVANCED TRAINING PROGRAMME ON EMOTIONAL COMPETENCE ACROSS E-LEARNING SYSTEM IN HIGHER EDUCATION R. Gilar, T. Pozo-Rico, B. Sanchez, J.L. Castejón	1442
THE POTENTIAL OF 360-DEGREE VIDEOS FOR TEACHING, LEARNING AND RESEARCH J. Reyna	1448
ENTREPRENEURIAL UNIVERSITIES IN THE LATIN AMERICAN CONTEXT. THE CASE OF A MEXICAN PUBLIC UNIVERSITY I. Ortiz Betancourt, M.C. Meza Téllez, L. López Castro, J. Berdón Carrasco	1455
CHANGES IN HIGHER EDUCATION INSTITUTIONS: DO FEMALE ACADEMICS SEE THE GLASS HALF FULL? T. Carvalho, S. Cardoso, M.J. Rosa	1460
SUPPORTING A LEARNING ECOSYSTEM WITH IDENTITY MANAGEMENT R. Bernsteiner, C. Ploder, T. Dilger	1469
ATTRITION IN HIGHER EDUCATION: A NEW STRUCTURAL MODEL N. Wesseling	1478
WICKED PROBLEMS: THE BENEFITS OF PROJECT-BASED LEARNING WITHIN A STUDIO SETTING D. Bender	1486
TECHNOLOGY AND ART TO IMPROVE MATHEMATICS LEARNING M. Tramonti	1492
CREATING A COURSE FOR DEVELOPING EDTECH SKILLS IN HIGHER EDUCATION TAKING INTO ACCOUNT INTERCULTURAL DIFFERENCES T. Talmo	1498
DICHOTOMIC GRAMMAR? USE MOODLE LESSONS! B. Plomteux	1503
METHODOLOGICAL STRATEGIES FOCUSED ON IMPROVING THE LEARNING PROCESS IN STUDENTS WITH FUNCTIONAL DIVERSITY M. Sánchez-Paniagua López, I. Mateos-Aparicio, B. López-Ruiz, M. Molina, C. Rueda, R. Rodrigo, A. Redondo, P. Sevilla, M.D. Tenorio	1510
PRACTICAL USE OF THE LEARNING COMMONS TRANSFORMATIVE MODEL (LCTM) IN A PRIVATE METROPOLITAN K-12 SCHOOL A. Jones, T. Ginop-Jones	1514
EFFECTS OF ACTION LEARNING, CONCEPT-MAPPING, AND VALUE CLARIFICATION STRATEGIES ON STUDENTS' ATTITUDE TO ICT CONCEPTS IN SOCIAL STUDIES AND CIVIC EDUCATION IN RURAL LEARNING ECOLOGIES O. Ige, O. Ige	1523
TEACHERS' SELF-EVALUATION OF GENERIC AND DIDACTIC COMPETENCIES A. Valickas, M. Bileišis, T. Sudnickas, A. Stasiukynas	1532
SCHOOL ADMINISTRATION PERSPECTIVE ON THE TEACHERS' COMPETENCIES LEVEL AND DEVELOPMENT A. Valickas, M. Bileišis, T. Sudnickas, A. Stasiukynas	1537
MULTI-MODALITIES IN CLASSROOM LEARNING ENVIRONMENTS H. Boulton, D. Brown, P. Standen, M. Belmonte, G. Kwiatkowska, T. Hughes-Roberts, M. Taheri	1542
IMPLEMENTING THE COMPUTING CURRICULUM AT NATIONAL AND REGIONAL LEVEL: LESSONS LEARNT FROM ENGLAND H. Boulton, A. Csizmadia	1548
IN SEARCH FOR UNDERSTANDING REFLECTIVE PRACTICE IN THE CONTEXT OF INITIAL TEACHER EDUCATION: A 3-D PICTURE L. Zavadskienė, R. Bubnys	1553
PERCEIVED SOCIAL SUPPORT AND SCHOOL ACHIEVEMENTS OF STUDENTS WITH DEVELOPMENTAL DYSLEXIA II. Gosk. M. Dominiak-Kochanek	1564

THE CHALLENGES OF USING ICT IN THE ADMINISTRATION OF SCHOOL UNITS: INSIGHTS FROM PRINCIPALS OF GREEK PUBLIC PRIMARY SCHOOLS D. Vlachopoulos, G. Tsokkas	1572
THE PATH TO TRANSFORMATION, NAVIGATING THE BARRIERS TO FORMING TRANSIENT AND TRANSITIONAL LEARNING GROUPS IN INTERPROFESSIONAL EDUCATION D. Gurbutt, P. Milne	1573
PERFORMING GOOD TEACHING: THE FRONTSTAGE AND BACKSTAGE WORK OF INTERDISCIPLINARY WORKING D. Gurbutt, K. Williams	1579
ASPECTS OF PROFESSIONAL IDENTIFICATION MODELING V. Gnevasheva	1586
THE IMPACT OF TABLET DEVICES ON HIGH SCHOOL STUDENTS' COGNITIVE LOAD AND LEARNING H. Montrieux, T. Schellens	1591
CHALLENGES OF HIGHER EDUCATION IN CREATING A GLOBAL CAMPUS: EXPERIENCE OF A JAPANESE UNIVERSITY J. Puthenkalam	1597
A PROJECT ON DEVELOPING UNDERGRADUATES' CAREER CONSCIOUSNESS THROUGH AN EXTRACURRICULAR EDUCATIONAL PROGRAM N. Aotani	1602
EXPLAINING THE BAYES' THEOREM GRAPHICALLY P. Ballesteros-Pérez, M.C. González-Cruz, D. Mora-Melià	1608
SUSTAINABILITY MANAGEMENT EDUCATION IN HIGHER EDUCATION: EXPLORING STUDENTS' WILLINGNESS TO LEARN N. Garcia-de-Frutos, R. Antolin-Lopez	1615
REUSING HISTORIC BUILDINGS IN UNIVERSITIES IN EGYPT AS EDUCATIONAL SPACES AND ZONES FOR CULTURAL ACTIVITIES M. Anber, A. Esmail	1622
THE EDUCATION OF THE FUTURE: BEYOND THE CLASSROOM A.K. Timmer, I. Mosquera Gende, A. Conde Del Río	1634
SERVICE-LEARNING AS A NEW METHODOLOGICAL TENDENCY M. Heras Castro, I. Mosquera Gende, L.V. Bernal	1643
DESIGN AGENCIES WITHIN UNIVERSITY AND DESIGNERS IN RESIDENCE WITHIN SCHOOL Z. Patterson	1652
PRESERVICE TEACHERS INSIGHTS FROM A SOCIAL CURATION EXPERIENCE A. Forkosh Baruch, R. Gadot	1658
FORMATION OF ENVIRONMENTAL CULTURE IN THE CONDITIONS OF NEW INFORMATIONAL ENVIRONMENT (ON THE EXAMPLE OF SCIENCE DISCIPLINES) S. Gilmanshina, A. Gayfullina, I. Gilmanshin	1664
BE PREPARED FOR YOUR NEXT 30-SECOND T&L CONVERSATION P. Ballesteros-Pérez, M.C. González-Cruz, D. Mora-Melià	1670
NATURALLY EXCITING FIRST YEAR ENGINEERING COURSE INSPIRING SUSTAINABILITY N. Alborz	1675
FLIPPING THE HIGHER EDUCATION P. Peres, A. Mesquita	1684
VOCABULARY LEARNING STRATEGIES: GENERAL ENGLISH VS. ENGLISH FOR SPECIFIC PURPOSES P. Krčelić	1693
NORMALIZING THE USE OF INFORMATION TECHNOLOGIES IN AN OCCUPATIONAL CENTER FOR PEOPLE WITH FUNCTIONAL DISABILITIES C. Hernandez, J.R. Diaz Saenz, L. Tolosa Robledo	1699
ANALYSIS OF THE ORGANIZATIONAL MODEL, CONCEPTUAL DESIGN AND FEATURE CONSTRUCTIONS OF EXPERIMENTAL SURGERY UNITS IN INSTITUTES OF HEALTH RESEARCH A. Collective a Payrous Oritz de Urbina, E. I. Domouse de Alba, M. Valiente Long.	1709
A. Goikoetxea Ibarrondo, P. Berroya Oritz de Urbina, F.J. Domouso de Alba, M. Valiente Lopez TRANSFORMATION OF THE ORGANIZATIONAL STRUCTURE OF RUSSIAN	1718
UNIVERSITIES Y. Leontyeva, I. Mayburov	1710

COMPUTERIZATION OF RESEARCH AND EDUCATIONAL SERVICES AS THE BASIS FOR HIGHER PRODUCTIVITY OF FACULTY I. Mayburov, Y. Leontyeva	1722
THE ENGLISH CORNER. PROMOTING ORAL SKILLS AT PRIMARY SCHOOL. PRELIMINARY STUDY P. Couto-Cantero, H. Sanderson	1728
PERCEPTIONS, BELIEFS, AND ATTITUDES OF FIRST YEAR THIRD-LEVEL STUDENTS: AN EMPIRICAL STUDY OF PORTUGUESE, RUSSIAN, POLISH, FINNISH, AND IRISH STUDENTS	1734
K. Brown, A.P. Lopes, F. Soares, V. Larionova, A. Cellmer, J. Hurme	
AN INTEGRATED EU-KOREA STUDENT MOBILITY PROGRAMME – THE SUCCESS OF GLOBALWORKIT M. Collins	1740
GARNERING SUPPORTS FOR MALE ROLE MODELS IN EARLY EDUCATION AND CARE SETTINGS J. Plaisir	1747
KITS IN TECHNICAL EDUCATION AS A TOOL FOR THE DEVELOPMENT OF THE STUDENT C. Serafin	1756
ASSESSMENT INSTRUMENTS IN ACTIVE LEARNING AND FLIPPED CLASS ENVIRONMENT M. Bouniaev, J. Mogilski	1764
12 YEARS OF DATA, RESULTS AND EXPERIENCES IN THE EUROPEAN	1772
RESEARCHERS' NIGHT PROJECT G. Mazzitelli, S. Arnone, M. Bramato, I. Capra, G. Ciocca, A. Della Ceca, R. Giovanditti, C. Grasso, D. Maselli, G. Sanzone, D. Sereni, F. Spagnoli	
ANALYSIS OF THE EFFICIENCY OF THE EDUCATIONAL PROCESSES OF THE SUBJECTS BUSINESS MANAGEMENT, HUMAN RESOURCE MANAGEMENT, AND MATHEMATICS, AND THEIR COMPARISON I. Kmecová	1781
ANALYSIS OF MOTIVATIONAL FACTORS IN THE EDUCATIONAL PROCESS IN SUBJECTS BUSINESS MANAGEMENT AND MATHEMATICS AND THEIR COMPARISON I. Kmecová, D. Smetanová	1789
VIRTUAL DON QUIXOTE: A RETROSPECT OF DIGITAL PEACE BUILDING RUTH FIRER (PH.D) THE HEBREW UNIVERSITY OF JERUSALEM, 2017 R. Firer	1790
MUPEB. AN ONLINE COURSE WITH INTEGRATED SOFTWARE FOR PRE-SERVICE MUSIC TRAINING OF NON-MUSIC PRIMARY TEACHERS IN CHILE J. Tejada, T. Thayer, M. Arenas, C. Merino, T. Ibáñez, M. Oyanedel	1791
EMPOWERING ACADEMICS FOR EFFECTIVE IMPLEMENTATION OF GRADUATE ATTRIBUTES IN UNDERGRADUATE STUDIES I. Nassef	1799
PEER-REVIEW METHODOLOGY WITH EXERCISES SUPERVISED IN CLASS S. Blanco, J.J. Arribas, J.M. Goicolea, J.C. García, F. Gabaldón	1805
FLIPPING THE CLASSROOM IN TECHNOLOGY STUDIES AT THE UPM J. Soler, L. Galvez, J.M. Arroyo, D. Palmero, C. Iglesias	1811
THE INDUSTRIAL ENGINEERS' ESSENTIAL SKILLS: STUDENTS, TEACHERS AND INDUSTRY PROFESSIONALS' PERSPECTIVES M. Chedid, L. Teixeira, M.J. Rosa	1815
NATIONAL QUALITY STANDARDS LEADING ASTRAY – TEACHER SHORTAGE AS A RESULT OF HIGHER ENTRANCE QUALIFICATIONS K. Jordell	1826
DEVELOPMENT OF CREATIVE APPLICATIONS WITH ASSETS OF A VIDEO GAME <i>P. Rito</i>	1827
GAMEYOU: DESIGNING ACTIVITIES USING SCRATCH AND A MICROCONTROLLER P. Rito	1834
USING DASHBOARDS TO ENGAGE FACULTY IN IMPROVING ACADEMIC PROGRAMS AND COURSES R. Lucio, M. Campbell, M. Detres, H. Johnson	1844

EFFECTIVE STORYTELLING & DIGITAL LEARNING MATERIALS: A MATCH MADE IN HIGHER-EDUCATION HEAVEN T. Moore	1853
DEVELOPMENT OF SCIENCE CARICATURE: THE LIFE SOURCE WATER D. Çelikler, Z. Aksan, N. Yenikalaycı	1859
REPLACING THE LMS: AN ACTIVITY THEORETICAL APPROACH TO UNDERSTANDING HOW THE INTERACTIONS OF DIFFERENT PROFESSIONAL GROUPS FACILITATE OR CONSTRAIN THE ADOPTION OF EDUCATIONAL TECHNOLOGIES M. O'Rourke	1864
ACTIVE LEARNING: SELF-MOTIVATION IN MATH COURSES J. Mendonça, S. Nicola, C. Pinto	1870
DESIGN OF A NEW IT-BASED TOOL TO SUPPORT THEORY CLASS WITH PROBLEM-BASED LEARNING IN APPLIED STATISTICS M. Zarzoso, C.J. Calvo, A. Bizy, M.M. Bernabé, V.E. Martínez-Bello, J. Casaña, Y. Ezzatvar, O.J. Arias-Mutis	1878
THE INFLUENCE OF INNER DRIVERS, POSITIVE THINKING, MOTIVATION AND SOCIAL SUPPORT ON THE ATTENDANCE OF LECTURES AT GERMAN UNIVERSITIES R. Bochmann, A. Roepke, C. Koczielski, H. Rindermann	1882
ELABORATION OF RUBRICS FOR THE EVALUATION BY COMPETENCES OF PHYSICS	1887
IN THE UNIVERSITY R. Ramirez-Vazquez, I. Escobar, E. Arribas, T. Franco, C.P. Suarez, S. Vidales, S. Maffey, J. Gonzalez-Rubio, A. Belendez	1007
AN INNOVATIVE PRACTICE IN THE PHYSICS LABORATORY: RADIOFREQUENCY ELECTROMAGNETIC FIELDS PERSONAL EXPOSURE R. Ramirez-Vazquez, I. Escobar, T. Franco, E. Arribas, P. Suarez, S. Vidales, S. Maffey, A.A. Rojas, J. Barrera, J. Gonzalez-Rubio, A. Belendez	1894
INTRODUCING COMMON FACTORS FOR STANDARDIZING THE MARKET FOR EDUCATIONAL ROBOTS R. Pérula-Martínez, V. González, F. R. Cañadillas, C. Balaguer	1905
THE EDUCATION JOURNALS AND ITS RELATIONSHIP WITH OTHER SCIENTIFIC DISCIPLINES J. Haba-Osca, F. González-Sala, J. Osca-Lluch	1916
REINFORCING CIVIL ENGINEERING CURRICULA WITH COURSES INCLUDING PROJECT-BASED SOFTWARE APPLICATIONS M. Alhassan, G. Bartrina	1923
FUNCTIONS AND LOGIC IN SOLVING EQUATIONS AND INEQUALITIES S. Litvinov, E. Litvinova	1933
COLLABORATION BETWEEN UNIVERSITY AND SECONDARY SCHOOL: LEARNING BY DOING AND ENERGY CONCEPTS	1941
N. Muñoz-Rujas, L. Palacios, M.A. Martínez-Giménez, F. Aguilar, E.A. Montero	1040
ERROR PATTERNS IN PORTUGUESE STUDENTS' ADDITION AND SUBTRACTION CALCULATION TASKS: IMPLICATIONS FOR INSTRUCTION S. Judge, S. Watson	1949
HEALTH PROFESSIONS STUDENTS EXPAND PUBLIC HEALTH KNOWLEDGE AND PROFESSIONAL SKILLS THROUGH INTERNSHIPS WITH COMMUNITY ORGANIZATIONS J. Laubinger, M. Quinn, W. Hildenbrand, C. Gibson	1950
THE SELF-REGULATED UNDERGRADUATE: LEVERAGING LEARNING TECHNOLOGIES TO FACILITATE METACOGNITION J.P. Egan, E. Sadera	1954
NEW ATTEMPT OF 'LOVE FOR ONE'S HOME' EDUCATION THROUGH LEARNING TRADITIONAL COLOR NAMES S. Takahashi, N. Aotani	1958
LEARNING EXPERIENCES OF DIGITAL IMMIGRANTS IN AN E-LEARNING ENVIRONMENT: A CASE STUDY IN MALAYSIA Z. Samsudin, L.K. Ch'ng	1962
DEVELOPING COMPUTER LITERACY OF BILINGUAL STUDENTS THROUGH CLIL A. Danilov, L. Salekhova, T. Yakaeva	1967

DESIGNING A DUAL FOCUSED CLIL-MODULE: THE FOCUS ON CONTENT AND FOREIGN LANGUAGE A. Danilov, L. Salekhova, T. Yakaeva	1972
AN OPINION POLL ON AN ALTERNATIVE BIOTECHNOLOGY M.B. Etxebarria, J.R. Otegi, A. Barona, N. Rojo, A. Elías, E. Díaz-Tena, G. Gallastegui	1979
INVERTED CLASSROOM - REDUCING SOCIAL INEQUALITY A. Breitenbach	1983
GAMIFICATION AS A STRATEGY TO INCREASE STUDENTS' MOTIVATION, EFFORT AND CONCENTRATION IN UNIVERSITY EDUCATION M. Morales-Segura, C. Piña-Ramirez, C. Porras-Amores, A. Vidales-Barriguete, P. Aguilera-Benito	1984
EFFECTS OF DESIGN STUDIO CULTURE ON PERFORMANCE OF ARCHITECTURE STUDENTS	1990
P. Aderonmu, O. Ajilima-Isaac, E. Arinze, A. Etuk, O. Alagbe, O. Fulani, A. Odugbesan, O. Eyiaro PROGRESSING FROM AN ELEARNING PORTAL TO A SMART ONLINE LEARNING COMMUNITY F. Eftekhari	1997
ENHANCED STUDENTS LEARNING AND THE NEW GRADUATES EXPERIENCE: A CASE IN ARCHITECTURE DEPARTMENT, COVENANT UNIVERSITY E. Erebor, B. Adewale, P. Aderonmu, W. Eke, P. Anweting, O. Adereti, O. Apata	2006
EXPERIENTIAL LEARNING IN THE PLANT PROTECTION SUBJECT INTEGRATING THE RESPECT FOR THE ENVIRONMENT L. Galvez, J. Soler, J.M. Arroyo, C. Iglesias, D. Palmero	2012
'REALITY BATHS' AS A PEDAGOGICAL STRATEGY IN UNIVERSITY EDUCATION M.A. Carabal-Montagud, V. Santamarina-Campos, J.M. Taroncher-Ballestero, M.B. de Miguel-Molina	2020
USING TECHNOLOGY EFFECTIVELY TO ENGAGE STUDENTS IN COURSES DELIVERED VIA ON-LINE VENUES L. Graybill	2028
SMARTPHONE USE, EXECUTIVE FUNCTION, AND PSYCHOLOGICAL HEALTH AMONG COLLEGE STUDENTS A. Tang, P. Eachus, S. Szeto, W. Royle	2033
ASSESSING SOFT SKILLS IN A NUMERICAL ANALYSIS COURSE M. Caligaris, G. Rodríguez	2041
BEYOND WEB 3.0: INTERNATIONAL COLLABORATION EXPLORING LEARNING ECOLOGIES AND TEACHER PROFESSIONAL DEVELOPMENT FOR THE DIAMOND AGE S. Leahy, C. Holland, F. Ward, J. Doiron	2051
UNDERSTANDING PERSONALIZED LEARNING: THE C.R.E.A.T.I.V.E. CONCEPTUAL FRAMEWORK R. Tobin	2056
MOTIVATING FACTORS IN HIGHER EDUCATION IN POLAND. ORGANIZATIONAL AND INDIVIDUAL PERSPECTIVES I. Jonek-Kowalska, K. Wodarski	2057
ENCOURAGING STUDENTS AND PROFESSORS TO USE THE MULTIMEDIA REPOSITORY OF THE UNIVERSITAT POLITÈCNICA DE VALÈNCIA E. Antonino-Daviu, D. de Andrés-Martínez, C. Gisbert-Doménech, J.C. Ruiz-García, A. Palomares-Chust, A. Peña-Cerdán	2063
THE FACTORS AFFECTING THE ATTITUDES OF FEMALE EMIRATI TEACHERS TOWARDS THE INCLUSION OF STUDENTS WITH INTELLECTUAL DISABILITIES IN THE GOVERNMENT PRIMARY SCHOOLS IN DUBAI IN THE UNITED ARAB EMIRATES A. Alobeidli	2068
IMPROVING KNOWLEDGE AND SKILLS WITH VIDEO-SHARING WEBSITES. FRAMEWORK OF E-LEARNING VIDEO COURSE FOR STUDENTS OF LOGISTICS Ł. Wiechetek	2069
THE SHADOWING PROJECT (TSP): A NEW DIDACTIC TOOL FOR 21ST CENTURY EUROPEAN GRADUATES COMBINING PBL, CLIL AND JOB SHADOWING PRACTICES E. Diz	2081
TEACHING AND LIVING WITH ZEST F. Etiz	2090
DIGITAL WHITEBOARDS: A TECHNOLOGY TO FOSTER STUDENT ENGAGEMENT	2091

STUDYING THE USE AND IMPACT OF MULTIMEDIA RESOURCES PRODUCED AT THE UNIVERSITAT POLITÈCNICA DE VALÈNCIA	2096
C. Gisbert, E. Antonino-Daviu, D. de Andrés-Martínez, J.C. Ruiz García, A. Palomares-Chust, A. Peña- Cerdán	
EVALUATION OF GRAPHICAL COMPETENCE SKILLS FOR FUTURE MATHEMATICS TEACHERS	2106
M. Burgos, M.M. López-Martín, E. Molina-Portillo, J.M. Contreras	0440
FROM GROUP-FOCUSED TO SELF-FOCUSED NARRATIVES: SHAPING PROFESSIONAL IDENTITY OF SCIENCE STUDENT TEACHERS DURING PEDAGOGICAL PRACTICUM D. Tsybulsky, Y. Muchnik Rozanov	2113
WHATSAPP AND UNIVERSITY: IMPACTS ON ACADEMIC PERFORMANCE J.F. Fondevila-Gascón, G. Miotto, M. Polo-López, P. Mir-Bernal	2118
LITERARY COMPOSITION AS A FORM OF PROJECT ACTIVITY AT FOREIGN LANGUAGE LESSONS A. Yusupova, D. Tyabina, T. Ivanova	2126
PREPARATION FOR INTERNATIONAL LANGUAGE TESTING IN HIGHER SCHOOL AND ITS INFLUENCE ON THE EDUCATIONAL PROCESS T. Ivanova, D. Tyabina, A. Yusupova	2131
DESIGN AND IMPLEMENTATION OF A PLURI-DISCIPLINARY SELF-EVALUATION STRATEGY	2137
D. Cordoba-Diaz, V. Fenandez Ruiz, T. Girbes Juan, M. Camara Hurtado, P. Jimenez Lopez, P. Morales Gomez, M.C. Sanchez Mata, P. Siljestrom Galache, C. Regalado Reyes, M. Cordoba Diaz	
VERIFICATION OF THE ECTS CREDITS' ASSIGNMENT CORRECTNESS BASED ON THE STUDENTS' OPINION A. Arent, A. Walczyna, P. Droździel	2145
THE EXPECTED FORMS OF AID IN TEACHING BASED ON THE UNIVERSITY EMPLOYEES' OPINION IN THE CONTEXT OF THE EDUCATION QUALITY ASSESSMENT A. Arent, A. Walczyna, P. Droździel	2154
ASSIGNING GROUP WORK ROLES TO EFL STUDENTS IN ACCORDANCE WITH THEIR PERSONALITY TYPE M. Evdokimova, N. Baydikova, Y. Davidenko	2161
INCREASING USE OF EXISTING TRAINING DEVICES THROUGH AUGMENTED REALITY. AN EXPERIENCE IN TWO COURSES J.A. Sánchez Fernández, C. Zamorano Martín, M. Castro Malpica	2168
COGNITIVE MOTIVATIONS THAT PROMOTE ISLAMIC EDUCATION TEACHERS' TO USE WHATSAPP AS A PLATFORM FOR PROFESSIONAL DEVELOPMENT M. Albahiri	2175
3D MODELS AND VIRTUAL REALITY VIDEOS FOR LEARNING ROAD GEOMETRIC DESIGN M. Castro Malpica, C. Zamorano Martín, J.A. Sánchez Fernández	2176
EFFICIENT EDUCATIONAL INTERVENTION IN UNDERGRADUATE SCHOOLS D. Mara, D. Hunyadi	2183
FROM PROCESS MODELLING TO WORKFLOW APPLICATION - AN INTEGRATIVE APPROACH IN TEACHING BUSINESS PROCESS MANAGEMENT M. Medrek	2193
LEVEL OF KNOWLEDGE REPRESENTED BY USERS OF MODERN TECHNOLOGY CONCEPTS W. Chmielarz, O. Szumski	2199
THE QUALITY OF THE CONTENT WIKI BASED ON THE CLUSTER ANALYSIS TECHNIQUES M. Boulaajoul, N. Aknin	2210
AN END-OF-DEGREE PROJECT DIRECTED BY USING VIRTUAL TUTORIALS WITH ADOBE CONNECT J.D. Jiménez-López, J. Navarro-Moreno, J.C. Ruiz-Molina	2219
EVALUATING EDUCATIONAL NEEDS IN MARITIME EMERGENCY MANAGEMENT WITHIN THE ARCTIC: THE CASE OF SWEDEN J. Larsson, M. Drewniak, D. Dalaklis, M. Kitada	2225
MARITIME EDUCATION AND TRAINING ACTIVITIES: IMPROVING OIL SPILL RESPONSE IN THE SOUTH BALTIC SEA REGION H. Nilsson, D. Dalaklis, I. Larsson, I. Pålsson	2233

OF AN INNOVATIVE MASSIVE ONLINE OPEN COURSE ON ADVANCED TEXTILE QUALITY CONTROL J. Domenech, J. Campos, J. Moreno, C. Silva, K. Kronika, P. Diaz, M.A. Bonet, R. Agulló	2240
THE INVERTED CLASSROOM MODEL (ICM) - A MODEL FOR DIFFERENT SEMINAR TYPES A. Breitenbach	2245
CONSIDERATIONS FOR SOLVING THE SKILLS MISMATCH OF YOUNG GRADUATES AND REQUIREMENTS OF BUSINESS WORLD A. Guilland	2252
STUDENTS AS ACTIVE CONTRIBUTORS IN THE CREATION OF OPEN EDUCATIONAL RESOURCES O. Gröblinger, M. Kopp, C. Zimmermann	2260
EXPERIENCE IN THE DEVELOPMENT OF A COMPUTER COURSE FOR AGRIFOOD ENGINEERING R. Chalmeta, J.S. Sánchez, M. Mollar	2270
SOME EXPERIENCES IN THE DEVELOPMENT OF A CURRICULUM DESIGN IN PATTERN RECOGNITION FOR A MASTER'S DEGREE J.S. Sánchez, R. Chalmeta, M. Mollar	2274
MULTIDISCIPLINARY ROADMAP FOR STEM EDUCATION: A CASE STUDY A. Dochshanov	2278
EDUCATIONAL POLICIES IN BRAZIL: FROM THEORY TO PRACTICE. A STUDY ON THE IMPLEMENTATION OF THE NATIONAL CURRICULAR COMMON BASE A. de Oliveira Garcia, C. Ricardo Fares Riedo, C. Frandsen Pereira da Costa, E. Mariosa Moreira Carneiro, S. Ferreira do Amaral	2283
A WORKSHOP ABOUT MOOC IN UNICAMP'S ELDERLY PROGRAM C. Ricardo Fares Riedo, A. de Oliveira Garcia, M. Fernandes Garcia	2293
KEY PROCESSES FOR THE CONSTRUCTION OF AN INFORMAL GUIDE TO DEVELOP DIGITAL COMPETENCES: SUPPORT RESETTLED REFUGEES IN ACTIVE JOB SEARCH A. Trindade, G. Miranda, A. Balula	2302
TOWARDS UNIVERSITY AUTONOMY – THE TRUNAK PROJECT M. Miłosz	2310
EFFICIENCY OF PUBLIC EXPENDITURE ON EDUCATION: COMPARING CROATIA WITH OTHER NMS A. Ahec Sonje, M. Deskar-Skrbic, V. Sonje	2317
PEDAGOGIC LITERARY NARRATION IN MOTHER-TONGUE (L1) LITERARY READING: A STUDY IN PRIMARY, SECONDARY AND HIGHER EDUCATION <i>J. Gordon</i>	2333
INDUSTRIAL INFORMATION SYSTEMS – NEW INTERNATIONALLY DEVELOPED UNDERGRADUATE CURRICULUM M. Miłosz, U. Tukeyev, A. Konysbayev	2338
ARTS-BASED RESEARCH, STUDENT-VOICE AND CULTURAL HERITAGE EDUCATION: AN INTERDISCIPLINARY INNOVATION BASED ON THE AKENFIELD BOOK AND FILM J. Gordon	2345
PERFORMATIVE LEARNING METHODS IN VOCATIONAL EDUCATION AND TRAINING TO IMPROVE SOCIAL AND PERSONAL SKILLS N. Fratini	2350
MAPPING FIRST-YEAR STUDENTS' CONCERNS TO THE NEEDS OF THE 21ST CENTURY LEARNER: A CASE STUDY OF A UNIVERSITY OF TECHNOLOGY IN SOUTH AFRICA C. Selepe, L.L. Lekena	2355
COMMUNITIES OF PRACTICE AMONG ACADEMICS IN THIRD LEVEL EDUCATION: THE IMPACT ON TEACHING AND LEARNING R. Leahy, A. Cotter, M. Oldham	2356
AN EVALUATION OF THE STUDENT EXPERIENCE TO INFORM STRATEGIC DECISION MAKING IN TERTIARY EDUCATION R. Leahy, A. Cotter, M. Oldham	2361
FORMING EDUCATION COMPETENCIES IN TEACHER EDUCATION BACHELOR'S AND MASTER'S PROGRAMME STUDENTS IN EAST LATVIA S. Guseva, V. Dombrovskis, S. Capulis	2367

THE EFFECTS OF TEACHER EDUCATION PROGRAMMES ON PRE-SERVICE SCIENCE TEACHER BELIEFS D. Letloenyane, L. Jita	2372
TOWARDS SAFE-BIM CURRICULA BASED ON THE INTEGRATION OF CYBERSECURITY AND BLOCKCHAINS FEATURES A. Hammi, A. Bouras	2380
AURASMA OR AN APPLICATION OF AUGMENTED REALITY IN PREPARATION OF EDUCATIONAL MATERIALS Z. Homanová, T. Prextova, D. Tran	2389
MATH GAMES FOR ONE PLAYER P. Beremlijski, P. Vondráková, M. Litschmannová, R. Mařík	2395
FORMATION OF COMPETENCE OF USING MODERN METHODS AND TECHNOLOGIES OF EDUCATION IN BACHELORS OF EDUCATION TRAINING K. Kirichek, R. Bazhenov, O. Bogdanova, Y. Shtepa, I. Ledovskikh	2403
SCHOOL CONTEXT: A SHARED SPACE BETWEEN FAMILY AND SCHOOL F. Talani Diambo, M. Luísa Branco	2411
JUSTIFICATION OF USING COMPUTER GAMES IN TEACHING AND LEARNING FOREIGN LANGUAGES M. Evdokimova	2417
THE CONCEPT OF WATER FROM A SUSTAINABLE DEVELOPMENT PERSPECTIVE IN THE EDUCATION CURRICULUM J. Maestre-Jiménez, G. Martínez-Borreguero, F.L. Naranjo-Correa	2425
DESIGN AND DEVELOPMENT OF STEM WORKSHOPS TO IMPROVE SCIENTIFIC/TECHNOLOGICAL LITERACY IN PRIMARY EDUCATION G. Martínez-Borreguero, F.L. Naranjo-Correa, M. Mateos-Núñez	2433
ANALYSIS OF EMOTIONS AND METHODOLOGICAL PREFERENCES IN PRIMARY EDUCATION STUDENTS M. Mateos-Núñez, G. Martínez-Borreguero, F.L. Naranjo-Correa	2440
SOCIAL ACCEPTANCE AND SOCIAL ATTITUDES TOWARDS PEOPLE WITH DISABILITIES IV. Trichkov	2450
DIAGNOSIS OF STEM KNOWLEDGE IN PRIMARY EDUCATION STUDENTS M. Mateos-Núñez, G. Martínez-Borreguero, F.L. Naranjo-Correa	2461
BRIDGING TRADITION AND THE NEW IN DESIGN SKETCHING THROUGH DIGITAL FREE-HAND DRAWING AND ITS IMPACT ON STUDENT LEARNING C. Qian, M. Fior, M.J. Chun	2471
CANSAT AZORES 2016: CASE STUDY OF PROBLEM SOLVING IN A COLLABORATIVE AND NON-FORMAL CONTEXT J. Contente	2478
THE TEACHER IN THE ENGLISH MEDIUM INSTRUCTION CLASSROOM IN JAPAN N. Rees	2486
USING MUSIC AS METAPHOR TO TEACHING RATIONAL NUMBERS THROUGH NEW DESIGNED SOFTWARE. THE CASE OF PICALAB-AUDIOFRACTIONS T. Thayer, A. Venegas, J. Tejada	2487
DEVELOPING A TECHNOLOGY SUPPORTED IN-SERVICE TRAINING PROGRAM ON ENGLISH PRONUNCIATION FOR TEACHERS M. Orii, K. Oga	2496
INFORMATION AND COMMUNICATION TECHNOLOGY PEDAGOGICAL AFFORDANCES IN EDUCATION: A CRITICAL REVIEW OF LITERATURE R. Dlamini	2503
SCREENCASTS AS A LEARNING TOOL TARGETED TO TRAIN ETHICAL RESPONSIBILITY: STUDENT PERCEPTION OF THE METHODOLOGY AND OF SELF-AND PEER-ASSESSMENT J. Cebolla-Cornejo, M. Leiva-Brondo, R. Peiró, A.M. Pérez-de-Castro	2504
SOFT OUTCOMES AND FLIPPED CLASSROOM IN HIGHER EDUCATION. AN EXPERIENCE IN LIFE SCIENCE M. Leiza Brondo, L. Caballa Corneiro, R. Beiró, A.M. Dáraz de Castro.	2512
M. Leiva-Brondo, J. Cebolla-Cornejo, R. Peiró, A.M. Pérez-de-Castro ENVIRONMENTALLY DESIGNED EDUCATIONAL BUILDINGS AND THEIR EFFECT ON THE STUDENTS PERFORMANCE M. Anher, A. Fsmail	2517

ADVANCES IN HUMAN COMPUTER INTERACTION FOR A BETTER QUALITY OF LIFE J. Oliver, B. García-Zapirain	2529
A METHODOLOGY FOR ENHANCING TEAM PERFORMANCE E. Del Val Noguera, J.M. Alberola, A. Palomares-Chust, S. Heras, M.D. Teruel	2534
ASTRONOMICAL TEACHING RESOURCES J. Oliver, B. García-Zapirain	2541
ENHANCING INSTITUTIONAL RESEARCH UPTAKE USING ALTMETRICS IN A UNIVERSITY L.L. Lekena, C. Selepe	2546
ESTABLISHING A COMPREHENSIVE MATRIX TO DEVELOP INFORMATION FLUENCY SKILLS OF MEDICAL STUDENTS FOR CAREER AND LIFELONG LEARNING R. Saliba	2547
DEEP LEARNING SHIFT IN ELEARNING Z. Kurillová, A. Veľas, T. Loveček, G. Lugano	2551
COMPUTER SCIENCE TERMINOLOGY (A CASE STUDY OF THE SPANISH LANGUAGE) E. Dolzhich, S. Dmitrichenkova	2556
LEVELLING UP MATH LITERACY THROUGH E-CONTENTS – AN EXAMPLE OF PORTUGUESE STUDENTS FROM HOSPITALITY AND TOURISM MANAGEMENT BACHELOR DEGREES F. Soares, A.P. Lopes, F.A. Ferreira, P. Nunes	2560
DESIGN OF THE LABORATORY SCRIPT BY THE STUDENTS IN CHEMISTRY PRACTICALS: ANALYSIS OF WATER	2572
S. Carda-Broch, J. Esteve-Romero, J. Peris-Vicente, J. Albiol-Chiva, M. Esteve-Amorós, M.J. Ruiz-Ángel, M.T. Doménech-Carbó, D. Yusá-Marco	
USE OF QGIS OPEN SOFTWARE TO DEFINE THE LOCAL RENEWABLE ENERGY RESOURCES. A PROJECT BASED LEARNING EXPERIENCE M. González Alriols, A. Campos-Celador, A. Ulazia, A. Urresti, G. Ibarra-Berastegi, M.M. Antxustegi	2577
INDUSTRY 4.0: UNIVERSITIES AND COMPANIES TOGETHER TO COMBINE RESEARCH AND BUSINESS S. Palmieri, D. Amandolese	2584
AN EXPERIENCE OF VIRTUAL FEEDBACK AND SELF-ASSESSMENT: THE CASE OF FINANCIAL MATHEMATICS D. Cabedo Semper, A. Maset-Llaudes	2594
RESEARCH AS A LEARNING METHODOLOGY: LEARNING ABOUT SMART CITIES R. Pérez-delHoyo, M.D. Andújar-Montoya	2602
BRINGING URBAN PLANNING EDUCATION CLOSER TO PROFESSIONAL ACTIVITY J. Quesada-Polo, R. Pérez-delHoyo	2609
RESEARCHING AND ANALYZING DIFFERENT MODELS FOR VERIFYING KNOWLEDGE IN THE PROCESS OF ACQUIRING SKILLS I. Getova, I. Kostadinova	2617
EXPLORING A METHOD TO PROMOTE INSTRUCTIONAL TECHNOLOGY INNOVATION AMONG UNIVERSITY FACULTY T. Janke	2625
INCLUSION OF STUDENTS IN THE PEDAGOGICAL PLANNING PROCESSES – THE CONVERGENT LEARNING SPACE H.W. Kjærgaard, L.P.B. Kjeldsen	2630
IMPLEMENTATION OF A MULTIDISCIPLINARY ACTIVITY TO FOSTER SYNERGIES BETWEEN STUDENTS OF DIFFERENT BACHELOR DEGREES N. Rojo, Z. Gómez-de-Balugera, G. Gallastegui, D. Encinas, N. Durana	2631
THE FRAMEWORK FOR IDENTIFYING THE MOTIVATIONAL REQUIREMENTS FOR CHILDREN IN DIGITAL STORYTELLING TOOLS M. Asiri, G. Wills, M. Wald	2640
EARLY SUPPORT OF UNDERREPRESENTED STUDENTS: THE IMPACT OF A PRE- COLLEGE OUTREACH PROGRAM IN MEDICAL EDUCATION R. Bendriss	2648
USE OF SELECTED MOBILE DEVICES IN PRIMARY EDUCATION D. Tran, K. Kostolanyova, L. Klubal	2652
THE ANSWER IS PROJECT-STUDIES! LEARNING INTEGRATION WITH RESEARCH AND DEVELOPMENT PROJECTS S. Juvonen	2658

EFFECT OF WORKSPACE ENVIRONMENT ASSIGNMENTS ON ARCHITECTURE DESIGN STUDIO PRODUCTIVITY F. Jegede, T. Sonuga, O. Olaniyan, T. Oyenuga	2664
ARCHITECTURE DESIGN STUDIO WORKSPACE SECURITY: AN EXPERIENTIAL ACCOUNT OF STUDENTS IN SELECTED NIGERIAN UNIVERSITY F. Jegede, B. Adewale, O. Olaniyan, T. Sonuga	2670
SCIENCE AND TECHNOLOGY PARKS AND SOCIALLY ENGAGED UNIVERSITIES TOWARDS INNOVATION: EVIDENCES FROM SÃO PAULO - BRAZIL P. Mello, C.H. Oshiro	2678
INTEGRATION OF SMARTPHONES INTO THE UNIVERSITY CLASSROOM, AS A PEDAGOGICAL STRATEGY M.A. Carabal-Montagud, V. Santamarina-Campos, J.M. Taroncher-Ballestero, M.B. de Miguel-Molina	2687
THE SCIENCE TRAINING PROGRAM FOR YOUNG ITALIAN PHYSICISTS AND ENGINEERS AT FERMILAB E. Barzi, G. Bellettini, S. Donati, C. Luongo	2696
CAN STUDENTS TRANSFER THEIR MATHEMATICAL SKILLS GAINED FROM THEIR KHAN ACADEMY HOMEWORK TO OTHER CONTEXTS? J. Vančura	2707
VIRTUAL ENTERPRISE ENVIRONMENT AND A NEW ERA IN SIMULATING DIGITAL MANUFACTURING MANAGEMENT PROCESSES B. Pozdneev, P. Ovchinnikov, F. Busina, E. Obuhova	2715
EDUCATION MANAGEMENT PROCESS IN EMERGING COUNTRIES F. Sciarelli, A. Rinaldi	2721
DESIGN STUDIO ENVIRONMENT AND ITS EFFECT ON PRODUCTIVITY OF STUDENTS A. Oluwatayo, E. Odugbesan, T. Mustapha, K. Ugah	2731
PRESCHOOL AS A "GOLDEN CAGE" OF THE SIX-YEAR-OLD CHILD: POLISH PRE- SCHOOL AND EARLY-SCHOOL EDUCATION TEACHERS' OPINIONS ABOUT SCHOOL READINESS OF CHILDREN A. Kruszewska	2737
FOCUSING ON UNDERGRADUATES' BEHAVIOUR. LEARNING ANALYTICS IN HUMAN HISTOLOGY M.P. Álvarez Vázquez, J. Cristóbal Barrios, J. Merino Granizo	2745
TOWARDS IMPROVING MATH UNDERSTANDING USING DIGITAL ART LIBRARY AS A SOURCE OF KNOWLEDGE M. Tramonti, D. Paneva-Marinova	2751
STRATIFIED APPROACH TO TEACHERS' COMPETENCE ASSESSMENT Z. Gadusova, A. Hašková, V. Jakubovská	2757
TRAINING FOR COMPETENCE BASED LESSON OBSERVATION AND EVALUATION OF TEACHING Z. Gadusova, B. Hockickova, I. Lomnicky, L. Predanocyova, R. Zilova	2767
MULTICULTURAL EDUCATION IN BARCELONA U. Topcu, J. Taberna Torres	2777
BUILDING CAPACITY OF UNIVERSITY EDUCATORS TO WORK WITH OPEN PRACTICES BEYOND OER: A CASE STUDY F. Nascimbeni, D. Burgos	2786
SOME PECULIARITIES OF BILINGUAL PRIMARY EDUCATION IN GUATEMALA I. Kotenyatkina	2791
THE CASE OF ICT UTILISATION IN ETHIOPIAN SECONDARY SCHOOL: IS IT BLENDED LEARNING OR BLURRED LEARNING? I.C. Jang	2798
TECHNOLOGICAL TOOLS IN THE TRAINING OF TEACHERS: AN EXPERIENCE IN THE TOPIC OF CORRELATION AND REGRESSION M.M. Gea, C. Batanero, P. Arteaga, P. Beltrán-Pellicer	2802
ASSESSING PROSPECTIVE HIGH SCHOOL TEACHERS' UNDERSTANDING OF STATISTICAL HYPOTHESES M.M. López-Martín, C. Batanero, M.M. Gea, P. Arteaga	2808
APPROACHING COLLABORATIVE LEARNING IN PRACTICAL SEMINARS WITH DEGREE STUDENTS: FAMILY PLANNING IN MATERNITY NURSING M.C. Ruiz-Grao, A. Hernández-Martínez, A. Alfaro-Espín, M. Molina-Alarcón	2814

"COURSE DIARY" - AN INNOVATIVE E-LEARNING SCENARIO N. Scerbakov, F. Kappe	2823
A STUDY OF STUDENTS WHO HAVE SPECIAL EDUCATIONAL NEEDS IN THE POLISH SYSTEM OF INCLUSIVE EDUCATION D. Al-Khamisy, A. Dłużniewska, U. Gosk, I. Kucharczyk	2829
REFLECTIONS ON THE LEARNING MANAGEMENT SYSTEM: AFTER TWO DECADES HOW HAS IT EFFECTED OUR TEACHING AND LEARNING PRACTICES? B. Muirhead, L. Robertson, E. Vogel	2839
SUPPORT BOOK IN TEACHING SIX-YEAR-OLD A. Klim-Klimaszewska	2847
THE UNDERSTANDING OF FRIENDSHIP IN PRE-SCHOOL CHILDREN A. Klim-Klimaszewska	2854
VISUAL PROGRAMMING OF E-LEARNING SCENARIOS N. Scerbakov, F. Kappe	2861
EFFECTIVE SOLUTIONS TO IMPROVING MATHEMATICS AND SCIENCE EDUCATION L. Urazaeva	2868
MANAGEMENT OF DIVERSITY IN MASTER CLASSROOM: AN INCREASING CHALLENGE FOR SCIENCE EDUCATION IN VALENCIAN UNIVERSITIES S. Carda-Broch, J. Esteve-Romero, J. Peris-Vicente, J. Albiol-Chiva, M. Esteve-Amorós, M.J. Ruiz-Ángel, M.T. Doménech-Carbó, D. Yusá-Marco	2874
EXHERENT AND INHERENT VALUE BELIEFS ABOUT TECHNOLOGY: MISSING CONSTRUCTS IN OUR QUEST FOR TECHNOLOGY INTEGRATION? S. Korucu-Kis, K.S. Ozmen	2878
INCORPORATION OF SIMULATION WORK TO A MACHINE DESIGN SUBJECT AS LEARNING SUPPORT, WITH THE PARTICIPATION OF PROFESSORS, STUDENTS AND FORMER STUDENTS OF THE SUBJECT L. Del Val, M. Herráez, F. Romano	2879
STUDENTS' PERCEPTIONS OF E-LEARNING WITHIN A BLENDED LEARNING COURSE IN A UNIVERSITY CAMPUS IN LEBANON M. Ezzedine	2887
TURNING FUN INTO LEARNING: HOW SERIOUS GAMES INSPIRE NEW EDUCATIONAL FRAMEWORKS V. De Luca, A. Ascolese, E. Rossini	2897
A TEACHING EXPERIENCE IN ECONOMY COMPARED DURING SEVERAL ACADEMIC COURSES M. Virginia Charles A. B. De Ze Charles T. Boutles Anisks	2905
M. Jiménez-García, J. Ruiz Chico, A.R. Peña Sánchez, T. Pontón Aricha MATH GAMES FOR TWO PLAYERS	2911
P. Vondráková, P. Beremlijski, M. Litschmannová, R. Mařík FROM BLACKBOARD TO SOCIAL NETWORKS: E-LEARNING BASED ON FACEBOOK	2917
AND ICT FOR TRANSVERSAL SUBJECTS OF SPANISH MASTERS P. Aparicio-Martinez, A.J. Perea-Moreno, M.P. Martínez-Jiménez, R.A. Espejo Mohedano, M.J. Aguilera-Ureña, G. Pedros-Perez, M. Vaquero-Abella	2)17
EXPLORING IT SOLUTIONS IN A FORM OF E-LEARNING. FROM THE IDEA THROUGH DATA ACQUISITION AND TOOLS RECOGNITION TO FINAL PROJECT REALIZATION Ł. Wiechetek, M.W. Mastalerz	2926
ICT FOR UNIVERSITY E-GUIDANCE: THE CASE STUDY UNIURBWEBINARORIENTA FROM ITALY I. Matteucci	2937
THE EDUCATIONAL POTENTIAL OF THE FATHER. EXPERIENCE OF DEVELOPMENT AND TESTING OF THE FATHERHOOD RESEARCH METHOD A. Chekhonin, S. Ignatjeva, N. Gibadullin	2946
HOW DOES PERSONALITY INFLUENCE CREATIVITY? A STUDY OF ARCHITECTURE STUDENTS A. Oluwatayo, J. Adeleke, A. Opoko	2953
SCREENCASTS IN THE CLASSROOM. DESIGN AND ASSESSMENT J.A. Llorens-Molina, J.M. Llorens de Jaime	2959
EXAMINING TODAY'S CONCEPTUAL MEDIA LITERACY LANDSCAPE: THE EVOLUTION OF MEDIA EFFECTS THEORIES WITHIN THE CONTEXTS OF EMERGING SOCIAL NETWORKS BUILT WITH ACCESSIBLE NEW MEDIA TECHNOLOGIES M. Caton-Rosser	2968

AN EMPIRICAL STUDY OF THE IMPACT OF BUSINESS GAMES ON PROFESSIONAL TRAINING A. Marengo, A. Pagano, L. Ladisa	2978
INTRODUCTORY ORGANIC CHEMISTRY FOR FOOD SCIENCE AND TECHNOLOGY J.A. Llorens-Molina	2984
SELF-EFFICACY, SELF-MANAGEMENT STRATEGIES AND ACADEMIC PERFORMANCE OF ARCHITECTURE STUDENTS A. Oluwatayo, O. Famurewa	2992
COMPARATIVE STUDY OF ONE-SEMESTER INTERNATIONAL ACADEMIC MOBILITY PROGRAMME PERCEPTION BY POLISH AND TAJIK COMPUTER SCIENCE STUDENTS M. Miłosz, A. Jafarov, E. Milosz	2999
MEDIA EDUCATION OF CHILDREN AS A BASIS FOR LIFELONG LEARNING J. Juszczyk-Rygallo	3005
SOME ASPECTS OF TEACHING AND DEVELOPING BACHELOR STUDENTS READING STRATEGIES IN ENGLISH A. Kiseleva, A. Lazareva	3012
NEW TRENDS TO COORDINATE ACTIVE TEACHING PRACTICES AND LEARNING BY DOING PROCESSES IN INTERNATIONAL CONTEXT: THE FDE ETHICS WEEK G. Bacete-Armengot, M. Codosero, S. De-La-Luna-Moltó, B. García-Cárceles, J. García-Reig, A. Martínez-Arauz, P. Maudos-Gumbau, I. Pastor-Ripoll, P. Sendra-Pons, K. Trujillo	3017
UNIVERSITY/INDUSTRY COLLABORATION: DIGITAL GAME-MEDIATED SECOND LANGUAGE EDUCATION IN CHINA N. Galloway, R. Rennie, S. Zhou	3024
MAXWELL-LAB: A MAKER EXPERIENCE INTEGRATING ELECTROMAGNETISM, SEVERAL VARIABLE CALCULUS AND NUMERICAL METHODS COURSES TO CONSTRUCT INTERACTIVE VISUALIZATION PROJECTS F. Delgado, L. Quezada	3025
TEACHING AUDITION IN HIGH SCHOOL A. Lazareva, A. Kiseleva	3032
BOLOGNA PROCESS: IS IT REALLY WELL ESTABLISHED AT UNIVERSITIES? L. García-Zambrano	3037
KNOWLEDGE OF SAFE AUTHENTICATION IN INFORMATION SYSTEMS - RESEARCH RESULTS AND THEIR IMPACT ON TRAINING PROGRAMS E. Milosz, M. Juszczyk, M. Miłosz	3043
AN EXPLANATORY MIXED METHODS STUDY OF THE USE OF EDUCATIONAL BLOGS TO IMPROVE EFL STUDENT'S WRITING SKILLS S. Almalki	3050
FOLLOWING TRAJECTORIES OF THOUGHT: CREATING NEW MEANING THROUGH DIALOGUE IN DIGITAL SPACE S. Dugal, B. Del Giudice, G. Sachs, M. Scocozzo, N. Krogoll, K. MacLean, K. Sugarman, M. Barry, S. Schultheiss, A. Simmons, A. Austin, J. Coleman, C. Kurtz, O. Schlegel, C. James, A. Lentini, J. Yoo, E. Carrara, N. Marr, E. Powell, B. Nozzi, A. Meher, O. Street, J. Gouveia, A. Gonzalez, B. Kline, J. Anderson, N. Burton, S. Fu, J. Dushi, K. Leuk, Y. Spanos, T. Shelhart, N. Cabral, D. Cherms, A. Stefekos, X. Ma, A. Deschaine, J. Phillips, B. Pikulski, M. Troiano	3054
INTERPRETER/TRANSLATOR IN THE FIELD OF PROFESSIONAL COMMUNICATION AS A NEW TREND IN HIGHER EDUCATION Z. Fomina, E. Singleterry	3055
AN EXPLORATORY ANALYSIS OF THE FACTORS AFFECTING EDUCATION AND RESEARCH PERFORMANCE LEVELS IN JAPANESE NATIONAL UNIVERSITIES BASED ON EVALUATION REPORTS S. Shibui, E. Nakato	3062
THE RESEARCH ON PEDAGOGICAL INTERACTION IMPACT ON STUDENTS' CREATIVE ASPECT OF INFORMATION COMPETENCE D. Luchaninov, R. Bazhenov, E. Papchenko, A. Smirnova	3067
USAGE OF AUTOMATED ASSESSMENT TOOLS FOR THE EVALUATION OF GUI- BASED PROGRAMMING ASSIGNMENTS L. Martin Liras, A. Rodriguez de Soto	3075
DESIGNING A MAP OF CLASSIFIED LEARNING ACTIVITIES FOR THE CUSTOMISED DEVELOPMENT OF TRANSVERSAL COMPETENCES A. Boza, M. Fernandez-Dieso, M. Gordo, I., Ruiz	3081

NEW TECHNOLOGIES VS. CURRICULA OF QUANTITATIVE COURSES FOR STUDENTS OF ECONOMICS J. Łyko	3087
EARLY IDENTIFICATION OF THE STUDENT'S LEVEL IN THE TRANSVERSAL COMPETENCE "CREATIVITY, INNOVATION AND ENTREPRENEURSHIP" A. Boza, L. Cuenca, M. Alemany, F. Alarcón, J.M. Prats	3091
WHAT CAN BE LEARNED BY GRADING ANALYTICS? T. Zielke, I. Bernst, T. Crombach, M. Becker, J. Lippel	3097
DEVELOPMENT OF KNOWLEDGE MANAGEMENT PROCESSES IN A SMALL ORGANIZATION: A CASE STUDY A. Michna, R. Kmieciak, K. Brzostek	3107
FURNISHING FOR THE FUTURE – TEACHER EXPERIENCES OF ACTIVE LEARNING CLASSROOMS P. Mozelius, M. Sundgren	3115
HIGHER EDUCATION AS A KEY TO SAVING SMALL AND MEDIUM-SIZED CITIES OF RUSSIA G. Zborovsky	3124
HIGHER EDUCATION IN THE RUSSIAN MACRO-REGION: NEW CHALLENGES AND REAL PRACTICES G. Zborovsky	3132
CONTRADICTIONS OF INNOVATIVE DEVELOPMENT OF RUSSIAN UNIVERSITIES P. Ambarova	3140
DO OLDER STUDENTS NEED UNIVERSITIES IN RUSSIA? P. Ambarova	3149
ANALYSIS OF KNOWLEDGE, PERCEPTION AND ASSESSMENT OF INNOVATION AND ENTREPRENEURSHIP COMPETENCE BY BACHELOR'S DEGREE STUDENTS J. Morillo Bentué, M. Ávila-Rondón, R. Alfaro-Pozo	3157
THE SCOPE AND FORMS OF HEALTH EDUCATION IMPLEMENTATION IN SELECTED POLISH KINDERGARTENS S. Nazaruk, E. Tokarewicz	3161
PUPILS WITH ATTENTION DEFICIT HYPERACTIVITY DISORDER STARTING EDUCATION IN PRIMARY SCHOOL - OPPORTUNITIES FOR THERAPEUTIC-EDUCATIONAL SUPPORT S. Nazaruk, E. Tokarewicz	3167
PROSPECTS OF INTRODUCTION OF MICROLEARNING INTO THE PROCESS OF TEACHING POSTGRADUATE STUDENTS A FOREIGN LANGUAGE N. Almazova, Y. Rogovaya, A. Gavrilova	3175
DIGITAL SKETCHING IN DESIGN EDUCATION S. Girginkaya Akdag	3183
A FLIPPED CLASSROOM MODEL FOR INQUIRY-BASED LEARNING IN CYPRUS PRIMARY EDUCATION CONTEXT- A MULTIPLE CASE STUDY M. Loizou Raouna, K. Lee	3189
STUDY ABROAD IN GIRONA: INTERNATIONAL STUDIES BEYOND THE TRADITIONAL FRONTIER M. Delgado	3197
REAL OR NOT REAL: DECONSTRUCTING MESSAGES IN THE MEDIA ARENA WITH STUDENTS IN OMAN M. Lane-Kelso, C. Fyle	3203
THE ROLE OF ELECTROCHEMISTRY IN STUDIES IN CONSERVATION AND RESTORATION	3213
A. Domenech-Carbo, N. Montoya, J. Piquero-Cilla, G. Domingos-Da-Silveira, F. Di-Turo A LEARNING CHALLENGE FOR A MULTIDISCIPLINARY QUANTUM INFORMATION AND QUANTUM PROCESSING WORKSHOP DURING "SEMANA I" F. Delgado	3217
CO-CREATING AND CO-DEVELOPING EDUCATION IN A CHANGING OPERATIONAL ENVIRONMENT H. Lajunen, M. Lehtinen, S. Silajärvi, P. Tani	3223
DEVELOPMENT AND PRELIMINARY RESULTS OF AN INTERVENTION TO INCREASE STUDENTS' RESEARCH COMPETENCES IN MOZAMBIQUE A. Uaciquete. M. Valcke	3232

THE OPINIONS OF UNIVERSITY TEACHERS TO THE GOALS AND ROLE OF FEEDBACK GIVEN BY STUDENTS TOWARDS THEIR PROFESSIONAL DEVELOPMENT AND EXPECTATIONS FOR IMPROVING THE FEEDBACK SYSTEM M. Sepma, L. Lepp, M. Remmik	3239
THE ROLE OF ACADEMIA IN SUSTAINABLE TOURISM M.P. Arraiza, C. Cordón, C. Calderón-Guerrero, F. Ioras, J.V. López Alvarez, B. Vázquez de Quevedo	3249
THE RESULTS OF DIAGNOSTICS OF RISK FOR LEARNING DISABILITIES IN FIRST-GRADERS FROM DIFFERENT YEARS OF STUDY: A COMPARATIVE ANALYSIS M. Permiakova, L. Okonechnikova	3255
DEVELOPMENT AND EVALUATION OF MULTIMEDIA MATERIALS AND TEACHING RESOURCES FOR IMPROVING STATISTICAL PROBLEM SOLVING WITH SPSS A.F. Roldán López de Hierro, C. Roldán	3262
ESCAPE ROOM VIDEO GAME TO LEARN AND PRACTICE DIFFERENT WRITING SYSTEMS A. Gómez-Cambronero, I. Miralles, C. Granell	3268
P-12 PERSONALIZED LEARNING: A NEW PARADIGM S. Stephens, A. Lokey-Vega	3274
DISASTER AREA TEACHER TRAINING PROJECT USING ICT IN EDUCATION TO CARRY OUT TEACHERS TRAINING EXPERIENCE MANAGEMENT SUMMARY REPORT X. Zhang	3281
COMMUNICATIVE INITIATIVE AS A PREDICTOR OF SUCCESS IN STUDY IN FIRST-GRADERS L. Okonechnikova, M. Permiakova	3286
ENHANCING STUDENTS' MOTIVATION TOWARDS STEM BY CO-CREATING AN ESCAPE ROOM I. Batzogiannis, E. Hatzikraniotis, A. Papadopoulos	3293
VIRTUAL LEARNING ENVIRONMENT FOR COMPUTER GRAPHICS UNIVERSITY COURSE M. Lekova, P. Boytchev	3301
USING A MATH GAME TO IMPROVE BASIC MATH SKILLS I. Batzogiannis, E. Hatzikraniotis, A. Papadopoulos, P. Papadopoulos, P.S. Zoungouridis	3310
TECHNOLOGY AS A MEDIATOR OF CHANGE IN TEACHERS' WRITTEN CORRECTIVE FEEDBACK PRACTICES H.W. Kjærgaard	3317
CONSIDERATIONS ABOUT SCHOOL CURRICULUMS OF CIVIL ENGINEERING DEGREES IN ORDER TO IMPLEMENT BIM PROJECT METHODOLOGY A. Moreno Bazán, M. García Alberti, A. Enfedaque, A.A. Arcos Álvarez, J.C. Gálvez Ruíz	3318
EDUCATIONAL/CULTURAL HUB AND NEW CULTURE OF LEARNING – PLAY AND GAME-INSPIRED TYPOLOGY OF ARCHITECTURAL SOLUTIONS FOR CREATIVE LEARNING SPACES M. Balcer-Zgraja	3325
THE CROSS-CULTURAL AND COMMUNICATIVE COMPETENCES FORMATION IN STUDENTS' TRAINING PROCESS IN POLYETHNIC SOCIETY E. Savchenko, E. Kharitonova, E. Kovsh, N. Bhatti	3333
VIDEO RECORDING BY STUDENTS TO SUPPORT PHYSIOTHERAPY PRACTICAL CLASSES	3337
V. Perez-Cabezas, J.A. Moral-Munoz, C. Ruiz-Molinero, R. Martín-Valero, B. Nuñez-Moraleda HEALTH DETERMINANTS - THE IMPORTANCE FOR EDUCATION	3342
I. Vilela, D. Brito, N. Bessa Vilela	
EXPERIENCE ON THE USE OF THE GAMIFICATION TOOL KAHOOT! IN PHYSIOTHERAPY STUDENTS J.A. Moral-Munoz, R.D. Hidalgo-Agudo, C. Ruiz-Molinero, I. Carmona-Barrientos, B. Nuñez-	3347
Moraleda, V. Perez-Cabezas	2251
GAME FOR CHILDREN TO SUPPORT SOCIAL SKILLS P. Marjanen, O. Ojajärvi, S. Kumar, A. Kumar	3354
PRODUCTS COMPLIANCE AND SAFETY ENGINEERING AS A CHALLENGE FOR ACADEMIA S. Loznen	3363
THE CHALLENGE OF VIRTUAL MOBILITY: PEDAGOGICAL MODELS AND GOOD PRACTICES D. Otto	3368

STUDIFICATION AS A MODEL TO LEARN DEEPER AND FASTER IN HIGHER EDUCATION P. Nurkka	3377
MIDDLE SCHOOL TEACHERS ATTITUDES TOWARDS THE NEED FOR STUDENT FEEDBACK AND ATTITUDES TOWARDS THE IMPACT OF FEEDBACK ON TEACHERS PROFESSIONAL DEVELOPMENT K. Palk	3385
STUDY ABOUT NOISE LEVELS IN UNIVERSITY STUDENTS' LEISURE AREAS: A BARRIER AGAINST NOISE M.C. Ruiz-Grao, A. Hernádez Martínez, F. García-Alcaraz, M. García-Moreno, M.L. Amo-Saus, L. Martínez-Esparcia, A. García-López, M. Molina-Alarcón	3395
INVESTIGATING PERCEPTIONS OF TEACHING PRESENCE AMONG INSTRUCTORS AND STUDENTS IN BLENDED LEARNING COURSES IN A TANZANIAN MEDICAL COLLEGE M. Almasi, C. Zhu, H. Machumu	3404
A DESIGN FOR INTEGRATING DIGITAL BADGES AND COMPETENCY-BASED ASSESSMENT IN GRADUATE RESEARCH METHODS EDUCATION N. Haughton	3415
ADAPTIVE PERSONALIZED SYSTEM FOR CREATING EXPRESSION TOOLS IN SOCIAL INCLUSION OF LEARNERS WITH VERBAL COMMUNICATION DISABILITIES - TESI PROJECT G.E. lacobescu	3425
SOCIAL MEDIA AS AN INSTRUCTIONAL TOOL TO ENHANCE COMMUNITIES OF PRACTICE N. Bourke, M. Tharpe, T.B. Shelley	3429
REFLECTION OF MATHEMATICS AND LANGUAGE INTEGRATED LEARNING AS AN EDUCATIONAL NEED OF TEACHERS M. Uhlirova, J. Laitochová, J. Hodaňová	3433
THE INFLUENCE OF STANDARDIZED TESTING OF ENGLISH SUBJECT IN SECONDARY EDUCATION IN CHINA S. Huang	3440
STIMULATING CREATIVITY AND DEVELOPING THE STUDENTS' VOCABULARY WITHIN THE FIRST CLASSES AT COMMUNICATION IN ROMANIAN LANGUAGE E.L. Mara	3446
PRESERVATION REUSE DESIGN IN HISTORICAL BUILDINGS: DHAMA PROCESS F. Maroldi, S. Davolio, M. Lunati, M. Rusca	3452
ENHANCED STATISTICAL THINKING IN SECONDARY SCHOOL WITH PYTHON PROGRAMMING LANGUAGE: A REALISTIC MATHEMATICS EDUCATION APPROACH M.G. Frassia	3462
PSYCHOLOGICAL ADAPTATION MECHANISM OF THE HIGHER EDUCATION ENGINEERING STUDENTS: ARTIFICIAL CONVERSATIONAL ENTITY USAGE FOR HELP	3472
K. Galiamova, Y. Pavlov, E. Smirnova, M. Zakharov, A. Zverev GEOMETRY OF DESIGN IN HIGH SCHOOL - AN EXAMPLE OF TEACHING WITH GEOGEBRA A. Serpe	3477
EDUCATIONAL ONLINE CONTENT QUALITY MEASURES – COGNITIVE AND CONSTRUCTIVE APPROACHES K. Gurba, E. Gurba, I. Drobotowicz-Orkisz	3486
INCLUSIVE EDUCATION IN RUSSIA: THE MEDICAL SUPPORT PROBLEM Z. Puzanova, M. Simonova, T. Larina	3487
ANTINOMIES OF REALIZATION OF EQUAL OPPORTUNITIES FOR DISABLED CHILDREN IN THE RUSSIAN SOCIETY Z. Puzanova, M. Simonova, V. Filippov, T. Larina	3494
YOUNG PEOPLE AND THEIR PRACTICES OF ACCESS AND CONSUMPTION OF NEWS IN SOCIAL MEDIA I. Amaral, P. Silveira	3500
INFORMAL CAREGIVERS: ONLINE AND OFFLINE SUPPORT I. Amaral, I. Bernardo, F. Daniel	3507

DHARMA - DYNAMIC, HEURISTIC & ADAPTIVE PEER RECOMMENDATION IN SOCIAL LEARNING ENVIRONMENTS I. Waßmann	3515
PROGRAMMING SKILLS GAP REDUCTION BY EXTRAMURAL SCHOOL DEVELOPMENT: UNIVERSITY SUCCESS CASE STUDY IN LATVIA G. Vitols, I. Arhipova, L. Paura	3526
NEWS VALUES CONCEPT APPLICATION TO GATEKEEPING IN ONLINE LEARNING K. Gurba, D. Kaczmarczyk, B. Pajchert	3532
HARDWARE ANYWHERE: AN OPEN ACCESS AND MULTIDISCIPLINARY PLATFORM FOR REMOTE LABORATORIES L. Renteria, Y. Pazmiño, A. Pamiño, D. Cuenca	3538
VISUAL AND INTUITIVE EXPLANATIONS OF BASIC MATHEMATICAL CONCEPTS D. Raviv	3546
EMOTIONAL INTELLIGENCE AS A BASIC COMPETENCE IN TEACHER TRAINING F. Somovilla Gómez, M. Corral Bobadilla, R. Lostado Lorza, E.P. Vergara González, I. Eguía Cambero	3553
UNDERSTANDING MILLENIALS & Z-GENERATION (DIGITAL SPACE COWBOYS) INMERSION IN THE FUTURE WORKING SOCIETY. AN INSIGHT TO PROFESSIONAL'S PROFILES & SKILLS IN A FUTURE WORKING SOCIETY G. Arce	3558
GAMIFICATION AS A TOOL FOR ACQUISITION SOFT SKILLS IN THE DESIGN FIELD C. García-García, J. Galán Serrano, R. Izquierdo Escrig, F. Felip Miralles, I.C. Agudelo Torres, M. Puig Poch	3569
GRAPHIC PANELS DEVELOPMENT AS A VEHICULAR PLATFORM FOR THE ACQUISITION OF DIGITAL SKETCHING SKILLS C. García-García, J. Galán Serrano, R. Izquierdo Escrig, F. Felip Miralles, I.C. Agudelo Torres, M. Puig Poch	3579
LEARNING THROUGH ACTIVE AND MULTI-LEVEL METHODOLOGY P. Cruz-García, J. Fernández de Guevara, B. García-Cárceles, A. Marín, R. Martí, J. Villagrassa	3588
TEACHER EDUCATION AND TECHNOLOGY IN TROUBLED TIMES A. Gitlin	3595
INTEGRATING THE HISTORY OF PHYSICS IN SECONDARY SCHOOLS: FORCE AND MOTION A. Métioui, L. Trudel	3596
SYNTHESIS OF RESEARCH ON THE STUDENTS CONCEPTIONS ABOUT PHOTOSYNTHESIS AND THOSE CONSTRUCTED DURING THE HISTORY: CONCEPTUAL CONFLICT A. Métioui, F. Matoussi, L. Trudel	3597
DURABILITY OF REINFORCED CONCRETE STRUCTURES FOR ARCHITECTURE AND CIVIL ENGINEERING DEGREES: A LEARNING PROPOSAL J.M. Ortega, T. Real, J. Real	3598
TEACHING HOW TO CONTROL STEEL STRUCTURES ALONG THEIR CONSTRUCTION AND SERVICE LIFE FOR ENGINEERING DEGREES J.M. Ortega	3604
TESTING THE COORDINATION IN DEPENDENCE ON INPUT INFORMATION K. Svatora, D. Benesova	3608
ACADEMIC CREATIVITY VERSUS INDUSTRIAL CREATIVITY G.M. Moraru	3616
IMPLEMENTING A NEW LEARNING MANAGEMENT SYSTEM: DEVELOPING A ROADMAP FOR MIGRATION Y. Piller, P. Ponners	3623
A CUSTOMER-ORIENTED UNIVERSITY MANAGEMENT MODEL G.M. Moraru	3631
URBS AND CIVITAS IN THE PENINSULA. STUDENTS DESIGN ARCHITECTURE FOR THE CONTEMPORARY ARABIAN CITY C. Luchetti	3637
INEQUALITY, DEVELOPMENT AND GROWTH: CHALLENGES IN THE POST-CRISIS PERIOD P. Dobrescu, F. Durach, L. Radu	3646
COOPERATION OF POLISH TECHNICAL UNIVERSITIES WITH EMPLOYERS M. Kosior-Kazberuk, P. Berkowski	3654

TEACHING TYRE TESTING AND MODELLING TO UNDERGRADUATE MECHANICAL ENGINEERING STUDENTS V. Lorenzi, B. Zappa, P. Righettini, R. Strada	3662
PROTECTING STUDENTS ONLINE: INTERNATIONAL PERSPECTIVES AND POLICIES ON THE PROTECTION OF STUDENTS' DIGITAL PRIVACY IN THE NETWORKED CLASSROOM SETTING L. Robertson, B. Muirhead, H. Leatham	3669
UNIVERSITY STUDENTS' AND FACULTY'S VIEWS ON ETHICAL USE OF FACEBOOK WITHIN ICT CONTEXT S. Başaran, S. Rukundo	3679
PROFESSIONAL LINGUISTIC EDUCATION AT MASTER'S DEGREE COURSES: CHALLENGES AND PROSPECTS N. Bobyreva, N. Pomortseva	3689
SOCIAL WORK SCIENCE: CONVERGENCE OF THE ABSTRACT MIND AND THE SITUATED COGNITION TOWARD FIXING THE GAP ON SOCIAL WORK S. Mendes, J. Ferreira	3697
INTERACTION BETWEEN STUDENTS, MICROPROCESSORS, AND MAMMALS IN A NEW APPROACH TO A FIELD COURSE IN BIOLOGY K. Gobetz, B. Cage	3706
LINGUACULTURAL STRATEGY OF ENHANCING STUDENTS' BACKGROUND KNOWLEDGE THROUGH MEDIA TEXTS N. Pomortseva, E. Solovyova, G. Gizatova	3713
CORPUS-BASED APPROACH TO FOREIGN LANGUAGE TEACHING G. Gizatova, D. Sabirova	3722
IMPROVING THE READING AND SPEAKING SKILLS OF A2 LEVEL STUDENTS IN A PRIVATE LANGUAGE INSTITUTE BASED ON THE COMMUNICATIVE LANGUAGE TEACHING APPROACH S. Chortaria, M.N. Zafiri	3728
LESSONS ON INFORMATION IN TERMS OF THE FOURIER TRANSFORM FOR PRIMARY-AGED STUDENTS D. Ikeda	3734
INFLUENCE OF STRUCTURAL SUPPORT SYSTEM AND GOVERNMENT INCENTIVES ON THE PERFORMANCE OF ENTREPRENEURIAL VENTURES: A STUDY OF SELECTED SMALL AND MEDIUM ENTERPRISES OWNER-MANAGERS IN NIGERIA F. Lawal, O. Adegbuyi, O. Iyiola, A. Adegbuyi, O. Onakoya	3740
DESIGNING A JOINT-COURSE IN NANOTECHNOLOGY FOR NATIONAL UNIVERSITY OF SINGAPORE AND LA TROBE UNIVERSITY UNDERGRADUATE STUDENTS Z.H. Lim, A. Dewanto, P.J. Pigram	3747
THE DIGITAL DIVIDE IN EDUCATION AS A CHALLENGE TO THE DEVELOPMENT OF THE TERRITORY G. Bannykh, S. Kostina	3753
MOOCS IN THE MODERN UNIVERSITY: TRENDS AND FEATURES OF USE G. Bannykh, S. Kostina	3758
HOW TO MEASURE THE SUBJECTIVE AGE IN PROFESSIONAL DEVELOPMENT A. Maltsev, F. Ismagilova, A. Pleteneva, L. Zubova	3765
THE IMPACT OF COMPUTER-BASED TECHNOLOGY SYSTEM ON THE ASSESSMENT OF PHYSICS PRACTICAL WORK S. Ramaila, L. Reddy	3773
EXPLORING THE MOTIVATIONAL CHANGES IN FUTURE ELEMENTARY TEACHERS OF GEOLOGY: A PRACTICAL EXAMPLE WITH CRYSTALS AND MINERALS I. Prieto	3779
A MULTI-PERSPECTIVE SIMULATOR FOR VISUALIZING AND ANALYZING THE KINEMATICS AND SINGULARITIES OF 2UPS/U PARALLEL MECHANISMS A. Peidró, A. Belando, D. Valiente, O. Reinoso, L. Payá	3785
DELIVERY OF A MODULE ON DESIGN FOR SOCIAL CHANGE AND INNOVATION IN THE FINAL YEAR OF AN UNDERGRADUATE DEGREE N. Souleles	3794

PIMECOE: A PROJECT FOR SELF-DIAGNOSIS OF THE STUDENT OUTCOME "EFFECTIVE COMMUNICATION" AND ITS IMPROVEMENT THROUGH A SELF- FORMATIVE ITINERARY R. Oltra-Badenes, E. Pérez-Esteve, J.A. Silvestre-Cerdà, M.C. Bas, M.J. Lerma-García, N. Matarredona-	3800
Desantes ACTIVITIES TO PROMOTE THE SELF-LEARNING OF THE EFFECTIVE COMMUNICATION STUDENT OUTCOME E. Pérez-Esteve, J.A. Silvestre-Cerdà, M.C. Bas, M.J. Lerma-García, N. Matarredona-Desantes, R. Oltra-Badenes	3806
GAS CHROMATOGRAPHY SIMULATORS AS VIRTUAL AND INTERACTIVE EDUCATIONAL RESOURCES M.E. Alañón Pardo, D. Arráez-Román, A. Segura-Carretero	3813
THINKING STRATEGIES AND SPECIAL EDUCATIONAL NEEDS N. Bilbao, O. Goioaga, I. Latorre, F. Perea	3817
THE BOND BETWEEN DISPOSITION AND COMPETENCE N. Bilbao, O. Goioaga, I. Latorre, F. Perea	3822
MATHEMATICAL MAGIC IN THE CLASSROOM A. Hall, S. Pais	3823
TEACHING WRITING SKILLS AT UNIVERSITY N. Sedova, M. Zhukova	3829
NEW APPROACH TO TEACHING TECHNOLOGIES AND METHODS M. Zhukova, N. Sedova	3833
FLIPPED TEACHING IN CLASSROOM: DOES IT REALLY WORK? M. Šerić	3838
FLIPPING A MATHEMATICS COURSE, A BLENDED LEARNING APPROACH A.P. Lopes, F. Soares	3844
SPECIFIC, TEACHABLE, ASSESSABLE: A TAXONOMY OF SKILLS FOR SECOND LANGUAGE LEARNERS IN ACADEMIC PROGRAMS K. Sanabria	3854
ASSOCIATION SERVICES FOR INTERNATIONAL STUDENTS: USE AND BARRIERS M. Chang Lua, M. Šerić	3863
STUDENTS AND LECTURERS ON FACEBOOK: GENDER-RELATED DIFFERENCES IN THE VIEW OF THE ACADEMIC HIERARCHY S.B. Linek	3870
TECHNOLOGICAL PLATFORM SOUNDCOOL AND FUNCTIONAL DIVERSITY: A PROPOSAL FOR INCLUSIVE LEARNING AND THE PROMOTION OF CREATIVITY C. Hernandez, J. Sastre Martínez, M. Briceño Mezquita	3877
SERIOUS COMICS: A NEW APPROACH FOR SCIENCE COMMUNICATION AND LEARNING S.B. Linek, M. Huff	3883
LEARNING FROM FAILURES AS A TEACHING METHOD J.M. Adam, M. Buitrago, P.A. Calderón, J.J. Moragues	3891
MEANINGFUL LEARNING EXPERIENCES IN ENGINEERING: TALL BUILDINGS M. Buitrago, J.M. Adam, I.J. Payá, P. Bonet	3898
CLIL CO-TUTORING PROCEDURE FOR END-OF-DEGREE PROJECTS IN ENGLISH: A MULTIDISCIPLINARY, COLLABORATIVE AND INTERNATIONALIZING PROPOSAL M. Capelo Bernal, C. Contero Urgal, N. Gómez Aguilar, J.M. Piñero López	3906
LESSONS LEARNED FROM A CROSS-SECTOR DEVELOPMENT PROJECT: AN INTEGRATIVE RESEARCH APPROACH T. Arvemo, I. Bernhard, U. Lundh Snis, A.K. Olsson, E. Torsein	3914
A COMPARISON OF SKILLS REQUIREMENTS FOR SUPPLY CHAIN MANAGEMENT GRADUATES IN SPAIN AND IRELAND C.M. Wagner, F. Sancho, C. Rodrígues Sánchez	3923
ENABLING EFFECTIVE ASSESSMENT THROUGH COLLABORATION F. Arese Visconti, J. Sandholm-Bark	3934
HOW COLLABORATIVE PRACTICE RESEARCH CAN IMPROVE HUMAN BETTERMENT A. Svensson, E. Frisk, B. Johansson, L.G. Larsson, I. Svenningsson	3942
THE IMPACT OF THE REFORMATION OF THE PHYSICAL SCIENCE CURRICULUM IN SOUTH AFRICA L. Reddy	3946

SEARCHING FOR WAYS TO DECOLONISE SCIENCE FROM A SOUTH AFRICAN PERSPECTIVE L. Reddy	3952
DEVELOPMENT OF A LEARNING SUPPORT SYSTEM FOR STUDYING INTELLECTUAL PROPERTY LAW BASED ON REPRESENTING LEGAL STATEMENTS AS LOGICAL CIRCUITS T. Akakura, T. Kawamata, K. Kato	3956
A MOBILE-ASSISTED CURRICULUM MODEL FOR TEACHERS' SELF-DIRECTED PROFESSIONAL DEVELOPMENT: DESIGN-BASED RESEARCH H. Kim, J.H. Lee	3964
PERSONAL BRANDING ON FACEBOOK: HOW TEACHERS STAGE THEMSELVES ON SOCIAL MEDIA Z. Sedereviciute-Paciauskiene	3968
(RE)THINKING ABOUT ASSESSMENT METHODOLOGIES IN UNIVERSITY: ANALYSING THE RELATION BETWEEN THE NUMBER OF EXAMS IN THE 'PUBLICITY AND PUBLIC RELATIONS' SUBJECT AND UNDERGRADUATE MARKS M. Navarro-Beltrá, M. Pérez-Escolar	3973
SOCIAL MEDIA TO INVOLVE INTERNATIONAL STUDENTS IN THE RECEIVING UNIVERSITY LIFE: A CASE STUDY M.E. Ruiz-Molina, A. Marín-García, M.P. Llopis-Amorós	3978
EASING THE LEARNING OF SIGNAL PROCESSING AND RADIO COMMUNICATIONS USING LOW COST SOFTWARE-DEFINED RADIOS IN UNDERGRADUATE, GRADUATE AND ONLINE COURSES J. Moreno García-Loygorri, C. Briso, F. Gisbert	3985
A VIRTUAL STUDY IN HIGHER EDUCATION C. Bjursell	3992
WORKSHOP ON PHOTOVOLTAIC IRRIGATION FOR THE POPULARIZATION OF SCIENCE BETWEEN HIGH SCHOOL STUDENTS V. Ortega-López, I. Martín, M. Navarro, J. López, Y. Arribas, B. Alonso, C. Rad, J. López, J.M. Varona	4001
FIRST STEPS IN THE INTRODUCTION OF AUTOMATIC EVALUATION IN VIRTUAL LABORATORIES FOR CONTROL ENGINEERING 1. Tejado, I. González, E. Pérez, P. Merchán, B. Vinagre	4007
PRE-SERVICE TEACHERS' REFLECTIVE NARRATIVES ON COOPERATIVE LEARNING: CONFIGURATIONS OF NEED-SUPPORTIVE TEACHING IN HIGHER EDUCATION D. Cañabate, J. Colomer, T. Serra	4017
REFLECTIVE ANALYSIS OF UNDERGRADUATE STUDENTS WHEN WORKING ON NON-FORMAL SCIENCE ACTIVITIES T. Serra, D. Cañabate, J. Colomer	4022
UNIVERSITY MOBILE APP AS A SERVICE CHANNEL AND LEARNING ENVIRONMENT H. Kuusela	4027
PRACTICAL PROGRAMMING FOR ALGORITHMS AND PROGRAMMING COURSE A.A. Şeker, O. Öztürk, A. Köksoy, T. Gözel	4035
ASSESSMENT OF HIGHER EDUCATION IN GLOBAL MEASUREMENT T. Vitenko, V. Shanaida, P. Droździel, R. Madlenak	4040
EXPERIENCE OF DEVELOPMENT AND IMPLEMENTATION OF PSYCHOLOGICAL SUPPORT PROGRAMS FOR ELDERLY PEOPLE IN DIGITAL SPACE MASTERING L. Darinskaia, N. Moskvicheva	4046
INTERNATIONAL ACADEMIC MOBILITY OF STUDENTS: ANALYSIS OF THE PROBLEMS OF ORGANIZATION THIS PROCESS IN ECTS CONDITIONS V. Shanaida, T. Vitenko, P. Droździel, R. Madlenak	4055
RECREATING REAL CASES WITH VIRTUAL TOOLS IN RISK ASSESSMENT E. Ramos, C. García-Cantón, A. Romero	4061
THE USE OF RUBRICS FOR THE EVALUATION OF THE SUBJECTS' PRACTICES IN ENGINEERING STUDIES, CONSISTING IN SOLVING REAL CASES IN DIRECT CONTACT WITH COMPANIES: THE CASE OF THE PROJECT EVALUA-PRACTIC B. Urbano, X. Gómez, M.E. Sánchez-Morán, R. Mulas, M.I. San-Martín, R. Mateos, C. Fernández, O. Martínez, A. Moran, F. González-Andrés	4062
DESIGNING OF A SIMULATOR ARCHITECTURE FOR GREENER DATA CENTER THROUGH KNOWLEDGE TRANSFER BY PARTNERS IN DIFFERENT SECTORS M.T. Takcı, O. Öztürk, A.A. Şeker, A. Köksoy, T. Gözel, M.H. Hocaoğlu, H. Lee, Y. Choi, M. Pournaris, S. Yonchev, F. Karatana, K. Uzuner, T. Medeni, H. Yesilcimen	4069

HOW DO TEACHERS USE VIDEO AT SCHOOL? NEW IMPULSE FROM DIGITAL VIDEO AND OPEN EDUCATIONAL RESOURCES L. Botturi, G. D'Alessio, J. Hardie	4077
TESTING THE "TESTING EFFECT" IN A REAL EDUCATIONAL CONTEXT: THE USE OF SOCRATIVE G. López-Crespo, J. Martín-Albo, C. Fidalgo, S. Collado, D. Carralero	4087
CHINA – KAZAKHSTAN COOPERATION IN THE FIELD OF EDUCATION K. Muratshina	4091
INCLUSIVE APPROACH TO SECONDARY SCHOOL TEACHING TO TACKLE EARLY SCHOOL LEAVING LAUNCHED ACROSS EUROPE – THE CARMA PROJECT M. Teixeira Pinto, P. Costa	4098
TRANSARCTIC COOPERATION POTENTIAL EVALUATION OF NORTHERN UNIVERSITIES: RESEARCH PERFORMANCE OF ARCTIC UNIVERSITIES' EDUCATION INDICATORS M. Pitukhina, O. Tolstoguzov, A. Privara, V. Volokh	4103
SOFTWARE FOR SIGNALS SIMULATION ALGORITHMS' IMPLEMENTATIONS AS A NEW FORM OF STUDENT'S RESEARCH IN THE FIELD OF ENGINEERS PREPARATION V. Syuzev, E. Smirnova, V. Gurenko, B. Buchkov, A. Lepkivker	4114
WHEN "PLAYING GAMES" IS A SYNONYM OF TRAINING IN SMALL AND MEDIUM ENTERPRISES - THE BGAME PROJECT M. Teixeira Pinto, P. Costa	4124
GAMIFICATION IN TERTIARY EDUCATION: ROOM SCAPE N. Franco Leal, R. Diaz-Carrion	4128
FLIPPED LEARNING: CLIL CLASSES VS. TRADITIONAL INSTRUCTION R. Diaz-Carrion, N. Franco Leal	4132
TEACHING ICT AT THE UNIVERSITY USING CLIL N. Batrova, M. Lukoyanova	4137
PERFORMANCE OF FUTURE MATHEMATICS TEACHERS OF BASIC EDUCATION IN SOLVING PROBLEMS A.P. Aires, P. Vasco, P. Catarino	4144
FINANCIAL AID AND DROPOUTS FROM PRIVATE HIGHER EDUCATION INSTITUTIONS IN BRAZIL C.H. Oshiro	4151
BASIC INFORMATION CULTURE OF A SCHOOLCHILD: CONTENT AND STRUCTURE M. Lukoyanova, N. Batrova	4159
SATISFACTION OF IT STUDENTS IN NUMERICAL METHODS LEARNING USING EDUCATIONAL APPLICATION – RESEARCH RESULTS M. Kaczorowska, B. Pańczyk, R. Dmytruk	4168
THE DEVELOPMENT OF THE INNOVATIVE ENVIRONMENT IN RUSSIAN UNIVERSITIES: KEY ISSUES O. Dagbaeva, E. Dmitrieva, Z. Usmanova	4176
USING THE TABLET AS A TOOL FOR RECORDING AND PROCESSING PUPILS EXPERIMENT L. Klubal, K. Kostolanyova, V. Gybas	4181
COMPARING LANGUAGES AND ASSESSING ORAL PRESENTATIONS IN COLLABORATION. A TEACHING INNOVATION PROPOSAL AT UNIVERSITY PROGRAMS OF EDUCATION M.B. Gómez-Devís, E. Saneleuterio, J.V. Garcia-Raffi	4186
FOLLOWING AN EXPERIENCE WITH TUTORING PROGRAM IN HIGHER EDUCATION P. Catarino, A.P. Aires	4193
THE DEVELOPMENT, DELIVERY, AND ASSESSMENT OF TWO UNIVERSITY-WIDE PEDAGOGY AND DESIGN COURSES A. Grant, K. Holt, S. Mercanti-Anthony, J. Donaldson	4201
COLLABORATIVE QUESTIONING AND USE OF GRAPHIC ORGANIZERS: EFFECTS FOR MIDDLE SCHOOL STUDENTS A. O'Donnell	4209
TEACHER FOR INCLUSIVE SCHOOL IN ROMANIA K.M. Barth, N.R. Ciobanu	4210

ONLINE EVALUATIONS OF ONLINE COURSES: ANOTHER OBSTACLE TO INVOLVING FULL TIME FACULTY IN DISTANCE LEARNING? S. Ruth	4216
DESIGN OF AN EDUCATIONAL PLATFORM FOR AUTOMATION AND SUPERVISION UNDER THE INDUSTRY 4.0 FRAMEWORK I. González, A.J. Calderón, J. Figueiredo, J.M.C. Sousa	4223
EXPANSION, DEMOCRATIZATION AND ELITISM OF HIGHER EDUCATION IN PORTUGAL: 1995-2015 B. Cabrito, L. Cerdeira, L. Machado, J. Patrocinio	4233
SOFTWARE-IN-THE-LOOP APPROACH FOR AUTOMATION AND SUPERVISORY SYSTEMS EDUCATION A.J. Calderón, I. González	4241
MEASURING THE BUSINESS MODEL: A CONCEPTUAL FRAMEWORK PROPOSAL APPLIED TO BOTH EDUCATIONAL FIELD AND UNIVERSITY-INDUSTRY COLLABORATION EXPERIENCES D. Ibarra, J.I. Igartua, J. Ganzarain	4246
THE USE OF RUBRICS TO ASSESS COMPETENCES F. González-Andrés, B. Urbano	4255
TEACHING ADVANCED CAD MODULES USING STUDENT GROUP PROJECTS T. Keckstein	4262
COMPETENCE APPROACH IN TEACHING OF A FOREIGN LANGUAGE IN RUSSIAN UNIVERSITIES IN COMPARISON WITH THE EUROPEAN EXPERIENCE I. Rakhimbirdieva, G. Khaimova, I. Kurmaeva	4266
AN EDUCATIONAL ENVIRONMENT FOR STUDYING TRADITIONAL AND BIG DATA APPROACHES K. Kaloyanova	4270
MANAGING MULTILINGUAL UNIVERSITY ENVIRONMENTS: CHALLENGES AND SOLUTIONS M. Guzikova, O. Kocheva, T. Vershinina	4275
ON APPLICATION OF SEMANTIC WEB TECHNOLOGIES TO PERSONALISE LEARNING A. Berniukevičius	4281
INVESTIGATING APPLICATION OF VISUAL THINKING STRATEGIES IN DEVELOPING AUDIO AND VISUAL ONLINE MATERIALS BY NON-NATIVE EFL TEACHERS: INTEGRATING ART ASSISTED LANGUAGE LEARNING (AALL) AND ARTS MARKETING P. Hashtroodi, M. Yazdani Moghaddam	4289
TRANSFORMATION OF THE EDUCATIONAL FEATURE OF THE MUSEUM: HISTORICAL RETROSPECTIVE (18TH – 19TH CENTURIES) L. Timofeeva, E. Gutman, R. Gubaydullina, N. Pershina	4298
SELF-EVALUATION OF THE STUDENT BODY ABOUT THE GENERIC COMPETENCES. THE CASE OF UNDERGRADUATE DEGREES IN BUSINESS OF THE INSTITUTO POLITÉCNICO NACIONAL E.O. Cardoso Espinosa, M.A. Vargas Londoño, R.M. Rivas García	4302
ASSESSMENT OF KNOWLEDGE MANAGEMENT FROM THE PERSPECTIVE OF STUDENTS IN POSTGRADUATE STUDIES IN EDUCATION AT THE UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO E.O. Cardoso Espinosa, J.A. Cortés Ruíz, M.A. Vargas Londoño	4307
INTERIOR DESIGN EDUCATION: DESIGN THINKING APPROACH TOWARDS CREATIVITY AND INNOVATION WITHIN VIETNAMESE CONTEXT T.N. Pham	4315
PEER SUPPORTED REVIEW OF EDUCATION P. Parker, S. Quinsee	4326
EXPERIMENTAL SUMMER SCHOOL - LESSONS FROM CEEPUS SUMMER SCHOOL IN GLIWICE, POLAND: INTERDISCIPLINARY APPROACH IN SHAPING SUSTAINABLE PUBLIC SPACE M. Adamiak, J. Bartnicka, T. Bradecki, M. Górski, M. Stępień, K. Tobór-Osadnik	4331
POSTGRADUATE STUDIES AS A FORM OF TEACHERS' COMPETENCIES DEVELOPMENT IN ICT P. Muryjas, M. Wawer	4341

EFFICIENT COLLABORATION TIPS FOR TEACHERS AND STUDENTS BELONGING TO DIFFERENT GENERATIONS (IN THE CONTEXT OF THE ENGLISH LANGUAGE LEARNING) S. Popova	4352
IMPLEMENTING PROJECT TECHNOLOGY IN TEACHING MASTER STUDENTS MAJORING IN "EDUCATION" M. Lukoyanova, A. Khusainova	4358
PROFESSIONAL STANDARDS OF THE TEACHER AND PEDAGOGICAL ICT-TOOLS IN STRUCTURE OF THE "ICT IN EDUCATION AND CULTURAL ACTIVITIES" DISCIPLINE IN THE PROCESS OF TRAINING BACHELORS OF TEACHER EDUCATION A. Khusainova, M. Lukoyanova	4365
COMPETENCES ACQUISITION IN THE PHARMACY DEGREE THROUGH THE INTRODUCTION OF THE FLIPPED LEARNING METHODOLOGY L. Saenz Del Burgo, G. Puras	4373
FACTORS OF CLASSROOM PSYCHOSOCIAL CLIMATE IN LOWER-SECONDARY SCHOOL S. Huskova, M. Najmonova, M. Prochazka, M. Viteckova	4377
ANALYSIS OF EDUCATIONAL SITUATIONS AS A WAY OF FORMATION NOVICE TEACHERS' COMPETENCES M. Prochazka, M. Viteckova, M. Najmonova	4384
ANALYSIS OF A NOVEL METHODOLOGY BASED ON REAL LIFE SCENARIOS: IMPLEMENTATION IN THE COURSE OF ARTIFICIAL VISION AND ROBOTICS S. Orts-Escolano, F. Gomez-Donoso, M. Cazorla, J. Navarrete Sanchez, F. Escalona, D. Viejo-Hernando, J. Garcia-Rodriguez	4392
PERCEIVED USEFULNESS AND LEARNING IN A VIRTUAL LEARNING ENVIRONMENT: EVIDENCE FROM THE USE OF MOODLE IN UNDERGRADUATE UNIVERSITY STUDENTS M.P. Llopis-Amorós, V. Roger-Monzó, F. Castelló-Sirvent, M.E. Ruiz-Molina	4402
ANALYSIS OF ONLINE PROGRAMMING PLATFORMS FOR LEARNING PROGRAMMING SKILLS THROUGH GAMIFICATION AND SOCIAL NETWORKS S. Orts-Escolano, F. Gomez-Donoso, M. Cazorla, J. Navarrete Sanchez, F. Escalona, D. Viejo-Hernando, J. Garcia-Rodriguez	4408
A TEAM PROJECT APPROACH FOR TEACHING AND ASSESSMENT OF BASIC ETHICS CORE VALUES M. Djassemi	4418
ABORIGINAL TASMANIA STORY MAP C. Andersen	4427
A PATH ANALYSIS OF IN-SERVICE TEACHERS' INTENTIONS TO USE ICT IN PRIMARY AND SECONDARY CURRICULA: APPLYING AND EXTENDING THE TECHNOLOGY ACCEPTANCE MODEL C.Y. Su, A.N. Fu, S. Han, H.Y. Jin	4433
THE ASSESSMENT OF UNIVERSITY AUTONOMY AT JOINT-STOCK COMPANY A. Mustafina	4438
SOCIO-CONSTRUCTIVIST APPROACH AS THE BASIS FOR CONTENT AND LANGUAGE INTEGRATION IN TEACHING FUTURE ENGINEERS L. Salekhova, K. Grigorieva, V. Gabdreeva, R. Yakhina	4448
ATTITUDE TO DISTANCE LEARNING IN RUSSIAN HIGHER EDUCATION SYSTEM A. Maltsev, M. Klimenskikh, O. Vindeker, A. Sheka, N. Korepina	4452
MOTIVATION AND ICT IN ENGLISH TEACHING V. Gabdreeva, R. Yakhina, L. Salekhova, K. Grigorieva	4458
THE USE OF MOBILE TECHNOLOGIES IN SCIENCE EDUCATION AND RESEARCH L. Darmendrail, A. Müller	4463
ADDRESSING THE GAP BETWEEN EMPLOYERS' NEEDS AND LEARNING OBJECTIVES IN PURCHASING & SUPPLY MANAGEMENT STUDY PROGRAMS: TOWARDS A STUDENT-CENTRED LEARNING APPROACH K. Stek, B.M. Zunk, J. van Den Berg, V. Delke, L. Berger, H. Schiele	4477
OVERCOMING BARRIERS TO EDUCATION OF A TERMINALLY ILL CHILD IN THE FAMILY G. Godawa	4485

GENERATION, AND INSTANT RESPONSE TECHNOLOGIES ON UNIVERSITY STUDENTS' MOTIVATION, ATTITUDES, AND ENGAGEMENT C.Y. Su, H.Y. Jin, S. Han, A.N. Fu	4491
ONE-FRAME MOVIE. SMARTPHONES AND MOVIES FOR DIGITAL LITERACY DEVELOPMENT AMONG TEENS AND PRE-TEENS L. Botturi, M. Geronimi, Y. Kamanda	4497
CONTENT AND LANGUAGE INTEGRATED LEARNING AS A PRIOR STEP TO THE IMPLEMENTATION OF A BILINGUAL ITINERARY IN HIGHER EDUCATION M. Rodríguez Zapatero, L. Perez Naranjo, R. Muñoz Benito	4504
STUDENT TEACHERS' PERCEPTIONS OF USING LEARNING ANALYTICS IN A BLENDED LEARNING CONTEXT E. Ameloot, T. Schellens	4508
ANSWER ESTIMATION SYSTEM USING RANDOM QUESTION OF CLASS EVALUATION ITEMS BASED ON A HIERARCHICAL ITEM BANK S. Nakamura, T. Akakura	4517
DETECTING CONFUSING ITEMS IN A DIGITAL SKILLS CERTIFICATION SYSTEM THROUGH ASSESSMENT ANALYTICS J. Bartolomé, P. Garaizar	4522
FABLES, LANGUAGE AND MATHEMATICS D. Patkin	4529
USING DIGITAL TOOLS TO ENHANCE LEARNING U. Ramraj	4534
APPLICATION OF TEXT MINING AND VISUALIZATION TOOLS FOR ANALYSING PEER OBSERVATION NOTES M. Danko, D. Keržič	4539
THE INCLUSIVE CONSERVATOIRE: THE ROLE OF EDUCATIONAL TECHNOLOGIES IN WIDENING ACCESS TO HIGHER EDUCATION MUSIC PROGRAMMES D. van Gammeren, A. Szram	4547
DEVELOPING A DIGITAL COMPETENCE ASSESSMENT AND ACCREDITATION PLATFORM FOR DIGITAL PROFILES J. Bartolomé, I. Martínez de Soria, M. Jakobsone, A. Fernández, G. Ruseva, P. Koutoudis, D. Merrigan, M. Vaquero	4552
STUDY OF THE EFFECT OF TRAINING WORKSHOPS FOR THE INCREASE OF BODY AWARENESS AND THEIR IMPACT ON THE LEVELS OF ANXIETY AND STRESS IN UNIVERSITY STUDENTS T. Norheim, R.M. Rodríguez Jiménez, G. González-Cuevas, M.L. Morales Botello, M. Carmona Delgado	4560
ARE STUDENTS SKILLED IN MATHEMATICS WHEN ENROLLING IN A BUSINESS SCHOOL? A.M. Martín-Caraballo, A. Tenorio, C. Paralera Morales	4568
DRIVERS AND BARRIERS FOR PROMOTING TECHNOLOGY ENHANCED LEARNING IN HIGHER EDUCATION P. Josefsson, A. Baltatzis, O. Bälter, F. Enoksson, B. Hedin, E. Riese	4576
TEACHING MATHEMATICAL TOPICS IN UNIVERSITY PROGRAMS FOR SENIOR PEOPLE	4585
A.M. Martín-Caraballo, A. Tenorio Villalón	
INTRODUCING WHATSAPP AS A LEARNING TOOL IN COMPUTER ENGINEER P. Aparicio-Martinez, M.P. Martínez-Jiménez, A.J. Perea-Moreno, M.M. Varo-Martinez, G. Martinez García	4592
INQUIRY-BASED MATH TEACHING AT ELEMENTARY SCHOOLS IN OLOMOUC REGION OF THE CZECH REPUBLIC D. Nocar, K. Bártek	4599
DATA VISUALIZATION TO DISCOVER THE ACTIVITY AND CHANGING THE TEACHERS POINT OF VIEW IN A PARTICULAR LMS SYSTEM J. Obonya, J. Kapusta	4608
ANALYSIS OF EXTERNAL FACTORS OF EMPLOYABILITY IN WORK INTEGRATION SOCIAL ENTERPRISES I. Aróstegui Barandica, M. Abiétar López, N. Martínez Rueda, J. Galarreta Lasa	4614
BARRIERS IN COMPUTER SCIENCE EDUCATION OF FOREIGN STUDENTS AT THE LUBLIN UNIVERSITY OF TECHNOLOGY G. Kozieł, T. Zientarski, M. Dziuba-Kozieł	4621

MATHEMATICAL AND DIGITAL SKILLS IN TEACHING POTENTIAL FLOW USING TECHNOLOGY A. Favieri, D. Igareta	4628
GIRLS' EDUCATION AND THE DEVELOPMENT OF A COUNTRY. WHAT HAPPENS IN ITALY	4637
A. Rinaldi, F. Sciarelli, P. Capuano	
EDUCATING FOR VALUE PROMOTION THROUGH LITERATURE FOR CHILDREN: A PRIMARY SCHOOL ACTION RESEARCH PROJECT M.A. Rodrigues, A.P. Cardoso, F.A. Lopes, A. Lopes	4644
INNOVATIVE LEARNING AND TEACHING METHODOLOGY: STRUCTURES INSTRUMENTATION IN THE CLASSROOM A. Aragón, G. Aragón, J.A. Fuente-Alonso, M. Skaf, J.M. Manso, V. Ortega-López	4651
DESIGN CRITERIA FOR M-LEARNING APPLICATIONS A. Mohamed Hassen, M. Samaka	4659
COMPARATIVE ANALYSIS OF LEARNING ANALYTICS TOOLS TO IMPROVE LEARNING USED IN DIFFERENT LEARNING PLATFORMS J. Mamcenko	4666
COMPARATIVE ANALYSIS OF PERSONALISATION APPROACHES AND TOOLS TO IMPROVE LEARNING USED IN DIFFERENT LEARNING SYSTEMS J. Mamcenko	4674
PRELIMINARY RESULTS OF THE IMPLEMENTATION OF FLIPPED CLASSROOM CONCEPT IN CAE-ASSISTED MECHANICS LABORATORIES J. Andrés, M.C. Mora, V. Roda-Casanova	4685
USE OF COLLEGEDOORS TOOL TO FACILITATE TEST PREPARATION T. Boronat, R. Balart, V. Fombuena, L. Quiles-Carrillo, N. Montanes	4692
EXPERIENCES OF THE FLIPPED LEARNING APPLICATION N. Montanes, L. Sanchez-Nacher, O. Fenollar, D. Garcia-Sanoguera, L. Quiles-Carrillo	4696
CREATIVE APPROACH OF STUDENTS TO USE GNU OCTAVE FOR SOLVING THEIR HOMEWORK D. Smetanová, P. Hrubý, T. Náhlík	4702
USAGE OF DIDACTICAL COMPUTER GAMES FOR EDUCATION OF PUPILS OF DIFFERENT TYPES OF SECONDARY SCHOOLS J. Basler, M. Mrázek, P. Chrbját	4708
SCIENCE POPULARIZATION AND PUBLIC OUTREACH ACTIVITIES: RUSSIAN EXPERIENCE	4716
V. Gerasimenko, T. Razumova, V. Echenike	4505
STUDENTS' ENGAGEMENT TO RESEARCH AND DEVELOPMENT OF GEAR PUMPS D. Smetanová, P. Hrubý, T. Náhlík THE CAME OF THE CUTY.	4727
THE GAME OF THE CITY J. Ulargui Agurruza, S. de Miguel García, J. Mosquera González	4731
BILINGUAL TEACHING AT CEIA3 UNIVERSITIES: STUDENTS' PERCEPTIONS ON TEACHING METHODOLOGIES	4740
E. Salmerón-Manzano, M.M. Sánchez-Pérez, F. Manzano-Agugliaro	
PERCEPTION OF BULLYING BY TEACHERS - A QUALITATIVE STUDY M. Ruzicka, V. Kluson, Y. Li, E. Urbanovská	4748
LECTURERS' ATTITUDES TOWARDS BILINGUAL TEACHING METHODOLOGIES IN ANDALUSIAN HIGHER EDUCATION M.M. Sánchez-Pérez, E. Salmerón-Manzano, F. Manzano-Agugliaro	4756
PERCEPTION OF COLOR AND CULTURAL DIFFERENCES: AN APPLICATION TO POSTGRADUATE TEACHING IN THE FIELD OF DESIGN O. Ampuero-Canellas, J. Gonzalez-Del-Rio, B. Jorda-Albiñana, N. Tarazona-Belenguer	4764
WHAT CAN BE LEARNED ABOUT THE TRANSLATION AND ADAPTION PROCESS FROM NORWEGIAN INTERACTIVE E-LEARNING MATERIALS IN NURSING EDUCATION IMPLEMENTATION INTO SPANISH AND ENGLISH LANGUAGE B. Oftedal, E. Navarro-Illana, H. Wharrad, V. Hvidsten, A. Lokken, R. Windle, J. Sancho-Pelluz, S. Alamar Cort, K. Whittingham, K. Hjorthaug Urstad	4770
CRITICAL TRANSVERSAL COMPETENCES TOWARDS EMPLOYABILITY: MATCHING EMPLOYERS AND STUDENTS PERSPECTIVES M. Sarmento, M. Ferreira Dias, M. Amorim, D. Galego	4772

THE OPINION SURVEY TO WORK ON THEORETICAL CONTENT AS AN ALTERNATIVE TO THE MASTER CLASS	4782
B. Jorda-Albiñana, N. Tarazona-Belenguer, J. Gonzalez-Del-Rio, O. Ampuero-Canellas	
THE ATTITUDES AND OPINIONS OF THE TEACHING STAFF CONCERNING INCLUSION IN THE CZECH REPUBLIC M. Puzika I. Lavor D. Finland I. Partimilara D. Parlavara Z. Varakara I. Harrathara I. Mishalik	4789
M. Ruzicka, J. Langer, D. Finkova, L. Pastierikova, P. Baslerova, Z. Kozakova, I. Horvathova, J. Michalik APPLICATION OF THE TECHNOLOGY FLIPPED CLASSROOM IN THE COURSE	4795
STUDY LINEAR ALGEBRA AND ANALYTICAL GEOMETRY T. Tarbokova, I. Ustinova, O. Rozhkova	4/93
FOREIGN LANGUAGE COMPONENTS IN THE TRAINING OF MATHEMATICS TEACHERS J. Hodaňová, J. Laitochová, M. Uhlirova	4803
MONITORING THE EFFECTIVENESS OF ENGLISH AS A MEDIUM OF INSTRUCTION	4808
TRAINING PROVISION FOR UNIVERSITY RESEARCH AND TEACHING STAFF M. Page, I. Slesarenko, E. Frantcuzskaia, V. Golubeva, G. Osokin, N. Fedorova, V. Deeva	4000
THE PROBLEMS OF THE INTERNATIONAL COOPERATION DEVELOPMENT IN THE FIELD OF EDUCATION BETWEEN RUSSIA AND SPAIN (ON THE EXAMPLE OF IMPLEMENTATION OF THE DOUBLE DIPLOMAS PROGRAM FOR THE PFUR AND THE UIB)	4820
M. Moseikina, V. Kuznetsova, E. Kriazheva-Kartseva, V. Borisov	
TRANSVERSAL PERCEPTION IN PHYSIOTHERAPY STUDENTS J.A. Poblete-Flor, F. Fernández-Martín, R. Martín-Valero	4826
PERSONAL LEARNING ENVIRONMENT FOR LEARNING AFTER UNIVERSITY P. Bernhardsson, L. Bernhardsson	4831
PLAYING DETECTIVE: FACULTY MEMBERS VIEWPOINTS ON AND EXPERIENCES OF ACADEMIC DISHONESTY L. Roos, M. Remmik, L. Lepp	4837
CHILDREN'S HOSPITAL SCHOOLS AS SOCIAL ENVIRONMENTS: A TURKISH EXAMPLE O. Dikmen Guleryuz, D. Hasirci	4845
THE IMPORTANCE OF SENIORS' EDUCATION FOR THE LEVEL OF THEIR COGNITIVE COMPETENCIES E. Gurba, G. Godawa, A. Nierzewska, D. Siewiorek-Talikowska	4855
INTERNATIONAL SKILLS AND COMPETENCIES: TOOLS FOR TEACHING IN SECONDARY EDUCATION S.L. Jones	4862
X MARKS THE BOT: ONLINE CODING-BASED TREASURE HUNT GAMES FOR CODE LITERACY L. Klopfenstein, S. Delpriori, B. Paolini, A. Bogliolo	4867
DEVELOPMENT OF AUTHORIAL STANCE IN L2 ACADEMIC WRITING	4874
M. Rudneva, N. Valeeva, YU. Nigmatzyanova, A. Guslyakova, K. Ulanova CODYMAZE: THE HOUR OF CODE IN A MIXED-REALITY MAZE	4878
L. Klopfenstein, S. Delpriori, B. Paolini, A. Bogliolo HOW TO ENGAGE STUDENTS IN ETHICS AND CSR? EVIDENCE FROM BLENDED	4885
LEARNING A. Hunnes, T.S. Olsen	4000
EXPERIENTIAL LEARNING AND INTERNATIONALITY. AN ACADEMIC TOOL TO IMPROVE STUDENTS' SKILLS DEVELOPMENT, ACADEMIC PERFORMANCE, AND INTRODUCTION TO THE PROFESSIONAL WORLD V. Baena, G. González-Cuevas, K. Mejía	4895
A TECHNIQUE FOR DEVELOPING PRONUNCIATION SKILLS AS THE BASIS FOR COMMUNICATIVE COMPETENCE: USE OF ELECTRONIC COURSEWARE O. Sharafutdinova, Y. Berezovskaya	4899
NEW TECHNOLOGIES AND AUTISM: CAN AUGMENTED REALITY (AR) INCREASE THE MOTIVATION IN CHILDREN WITH AUTISM? A. Rega, A. Mennitto, S. Vita, L. Iovino	4904
EMPOWERING VULNERABLE STUDENTS FOR SCHOOL SUCCESS? AN EXPLORATORY APPROACH TO PHILANTHROPIC INTERVENTION PROJECTS IN PORTUGUESE STATE SCHOOLS M. Dias, L. Pappámikail	4911

THE FISHERMAN'S ROUTE PROJECT: AN INTERINSTITUTIONAL COLLABORATION INITIATIVE S. Martins, M. Carvalho	4917
AN EYE FOR AN I – A FRAMEWORK WITH FOCUS ON THE INTEGRATION OF WORK AND LEARNING IN HIGHER EDUCATION L. Bernhardsson, M. Gellerstedt, L. Svensson	4923
ACADEMIC DISHONESTY AT THE UNIVERSITY OF ZARAGOZA: TYPES AND INFLUENCING FACTORS C. García, J.R. Barrada, G. López-Crespo	4928
MEDIA EDUCATION IN PREVENTING LINGUISTIC MISBEHAVIOR IN ONLINE ENVIRONMENTS A. Selyutin, O. Sharafutdinova	4929
MOTIVATION FOR GLOBAL PARTICIPATION? STUDENT VOICES J. Durand, J. Pratt, S.L. Birchley	4935
ENHANCING DIGITAL PRIMARY SCHOOL EDUCATION THROUGH THE PRIMETECH PROJECT A. Colibaba, I. Gheorghiu, S. Colibaba, A. Colibaba, I. Croitoru, C. Antonita	4945
BARRIERS TO IMPLEMENTATION OF SPECIAL NEEDS EDUCATION POLICY IN NIGERIA S. Orim	4950
THE MASS SCHOOLING PROCESS IN PORTUGAL: A UNIQUE PATHWAY? M. Dias	4958
SCIENTIFIC JOURNAL FOR STUDENTS – IS IT A GOOD IDEA? B. Pańczyk, T. Zientarski	4963
INTEGRATION OF MASSIVE ONLINE COURSES INTO THE CURRICULUM OF REGIONAL UNIVERSITIES E. Windstein, N. Almazova, M. Kogan	4970
HYPERTEXT ON LAPLACE TRANSFORM USING WOLFRAM MATHEMATICA A. Favieri	4979
THE COOPERATION BETWEEN RUSSIA AND FRANCE IN THE FIELD OF HISTORY EDUCATION: TRADITIONS AND PROSPECTS L. Ponomarenko, R. Arslanov, V. Kozmenko, E. Linkova	4987
TANGIBLE PROGRAMMING WITH AUGMENTED REALITY D. Krpan, S. Mladenović, B. Ujević	4993
DIAGNOSIS OF DIFFICULTIES IN INTRODUCING OLDER PEOPLE TO THE DIGITAL SPACE G. Molodtsova, L. Darinskaia	5001
TEACHING FREEHAND DRAWING AT THE FACULTY OF ARCHITECTURE IN THE CONTEXT OF TECHNOLOGICAL CHANGE B. Makowska	5008
CIVIL ENGINEER'S CAREER IN POLAND – FROM EDUCATION TO PROFESSIONAL RECOGNITION M. Kosior-Kazberuk, P. Berkowski	5013
TRACKING UNIVERSITY STUDENTS' PROGRESS IN LEARNING ENGLISH: URAL FEDERAL UNIVERSITY'S EXPERIENCE A. Muzafarova, J. Daminova, A. Okhotnikova, T. Rasskazova	5022
JOURNALISM STUDENTS, VOCATIONAL TRAINING AND THE PROFESSIONAL ETHICS OF MASS MEDIA J.O. Gullo, J. Hok	5030
THE EUROPEAN HIGHER EDUCATION AREA: HISTORICAL PROCESS OF IMPLEMENTATION AND SUCCESS ACHIEVED J.I. Real Herraiz, J.M. Ortega Álvarez, J.L. Velarte Gonzalez, T.P. Real Herraiz	5036
TEACHER ROLES FROM THE PERSPECTIVE OF CHANGING HIGHER EDUCATION ENVIRONMENT IN RUSSIA J. Daminova, A. Muzafarova, T. Rasskazova, A. Okhotnikova	5042
RESTFUL WEB SERVICES FOR MANAGEMENT, VISUALIZATION, SYNTHESIS AND SPEECH SHARING FROM LECTURES M. Petron, Y. Atanason, A. Aleksiena-Petrona	5047

PROPOSAL OF A SOFTWARE ARCHITECTURE IN THE CLOUD FOR SERIOUS GAMES APPLY IN LEARNING DISORDERS	5052
L.A. Mares Rosas, J. Vargas Huitrón, J.A. Martinez Juarez, E.D. Ariza Mercado, R.E. Rivera Reyes, O. Acevedo Calderon, R. Tocohua Rojas, F.I. Pedraza Cruz, J.C. Veliz Martinez	
OCEAN LITERACY AND INFORMATION SOURCES: COMPARISON BETWEEN PUPILS IN PORTUGAL AND THE UK	5058
R. Leitão, M. Maguire, S. Turner, L. Guimarães, F. Arenas	=0.40
LINGUISTIC AND CULTURAL ADAPTATION OF FOREIGN STUDENTS AT THE RUSSIAN UNIVERSITY T. Litvina, D. Ivanova, L. Vladimirova	5068
MOBILE LEARNING OF BIODIVERSITY THROUGH WEB-AIDED BIODIVERSITY TRAILS	5073
J.M. Gabriel y Galan, A. García Moreno, M. Puelles Gallo, R. Pedrero, J.A. Molina Abril, J.I. Aguirre de Miguel, J.F. Gómez Sánchez, F.J. Cabrero Sañudo, J.M. Hernández de Miguel, L. García Álvarez	
ACADEMIC USE OF SMARTPHONES BY UNIVERSITY STUDENTS: A GENDER PERSPECTIVE	5081
J. Martínez-Polo, M. Navarro-Beltrá, J. Martínez-Sánchez	
AN ANALYSIS ON THE STUDENT INTERACTION AND COLLABORATION IN AN UNDERGRADUATE BLENDED LEARNING COURSE S. Senanayake, E. Hettiarachchi, K. Hewagamage	5088
WHO ARE SCHOOL BULLY-VICTIMS AND HOW CAN I HELP THEM: PRACTICAL PERSPECTIVES FROM SCHOOL TEACHERS Y.H. Sung, L.M. Chen, M. Valcke	5095
"CONTEMPL-ACTION": CONTEMPLATIVE PEDAGOGY AND CRITICAL PEDAGOGY AS REFLEXIVITY PRACTICES PROMOTING EDUCATION FOR SOCIAL ACTION P. Vittoria, M. De Simone, M.R. Strollo	5096
READABILITY OF SYNTACTIC CONSTRUCTIONS IN TEXTS FOR READING OF BASIC (RUSSIAN) STATE EXAMINATION IN ENGLISH (BASED ON EXPERIMENTAL DATA) E. Varlamova, O. Safonkina, L. Ilyasova	5104
CURRICULUM DESIGN AND INNOVATION IN FIELD-BASED LEARNING: LESSONS FROM THE DOCTORAL PROGRAM IN LEADERSHIP AND SYSTEMIC INNOVATION IN ARGENTINA A Legalo P. Populand N. Samiallo P. Luksha D. Varabae S. Castioliani P. Zamban C. Waise	5112
A. Laszlo, R. Rowland, N. Serpiello, P. Luksha, D. Karabeg, S. Castiglioni, R. Zambon, G. Weiss	=400
NEW WAYS OF HETEROCYCLIC CHEMISTRY TEACHING J. Šíbor, A. Bárta	5122
KEY SKILLS FOR THE STUDENTS OF TOMORROW: A CROSS-SECTIONAL SURVEY AMONG SCHOOL TEACHERS AND UNIVERSITY LECTURERS N. Sansone, D. Cesareni, I. Bortolotti, D. Capaldi, M. Montanari, G. Ragone, S. Lariccia	5129
MUSIC AND ALZHEIMER: EDUCATION TO RESILIENCE M.C. Del Mastro, R. Capobianco, M.R. Strollo	5135
USE OF AGILE METHODS IN E-BUSINESS AND E-COMMERCE EDUCATION M. Medrek	5144
USING A REFINED ATTRACTIVE QUALITY MODEL FOR ASSESSING STUDENTS' REQUIREMENTS FOR A NEW UNIVERSITY ONLINE APPLICATION Ş. Miclea, A. Pugna, R. Negrea, S. Potra	5153
VIDEO PRODUCTION FOR SCIENCE AND HEALTH TEACHING: A DIALOGUE BETWEEN THEORY AND PRAXIS IN THE INTERFACE WITH THE INCLUSIVE EDUCATION AND THE CONTRIBUTION OF POPULAR/COMMUNITY VIDEOS R. Malheiros, R. Mariani, A. Varges, P. Latgé, M. Mello, C. Coutinho	5162
THE IMPORTANCE OF LECTURER'S ORGANIZATIONAL CITIZENSHIP BEHAVIOUR AT UNIVERSITIES C. De-Pablos-Heredero, A. García-Martínez	5168
LANGUAGE PLURALISM IN THE REGIONAL EDUCATIONAL POLICY: CASE STUDY - NORTH AMERICAN REGIONS L. Slavina, E. Maklakova, E. Petrov, G. Ganieva	5176
REIMAGINING AND TRANSFERRING A CONVENTIONAL FACE-TO-FACE COURSE TO A PURELY ONLINE FORMAT – REFLECTIONS OF ONLINE COURSE DESIGN AND THE IMPORTANCE OF AN ITERATIVE APPROACH F. Timmons	5186
BERNOULLI'S PRINCIPLE: MOBILE NUMBERS TECHNOLOGY J.J. Suñol, J. Tarres	5195

TRANSVERSAL COMPETENCES FOR EMPLOYABILITY ACROSS FOUR EUROPEAN COUNTRIES	5200
M. Sarmento, M. Ferreira Dias, M. Amorim, D. Galego	
PARENTS AND SCHOOLS: PARENTAL INVOLVEMENT AND INTERFERENCE EFFECTS ON SCHOOL CLIMATE AND PUPILS' MATHEMATICS ACHIEVEMENT F. Nasser-Abu Alhija, A. Rogel	5210
DIMENSIONAL ANALYSIS WITH MOBILE APPLICATIONS J.J. Suñol, J.M. Güell, J. Tarres	5218
OVERVIEW ON LANGUAGE POLICY IN RUSSIAN REGIONS (CASE STUDY – TATARSTAN, BASHKORTOSTAN, SAKHA, YAKUTIA) G. Kalinina, G. Aydaeva, N. Chernova, E. Petrov	5224
MVISION, A TOOLBOX FOR COMPUTER VISION COURSES J.R. Ruiz Sarmiento, F.A. Moreno Dueñas, J. González Monroy, J. González Jiménez	5232
OVERVIEW OF THE LINGUISTIC SITUATION IN THE UK (CASE STUDY: NORTHERN IRELAND)	5242
C. Gataullina, J. Mustafina, N. Nurutdinova, L. Mustafina	
NEW SKILLS FOR WORKING IN DIGITIZED SURROUNDINGS - IN DEPTH STUDIES OF WORKPLACES IN 12 DIFFERENT OCCUPATIONS S. Conein	5247
BEYOND THE BORDER. METHODOLOGIES TOWARD THE LEARNING AND PRACTICE OF AN INCLUSIVE URBANISM D. Lorenzo-Almeida, B. Rodeghiero, J.M. Solé	5251
MULTIDISCIPLINARY WORKSHOP FOR THE MANAGEMENT OF PARKINSON DISEASE PATIENTS IN THE COMMUNITY PHARMACY S. Mínguez, J.A. Carbajal, L. Castro-Vázquez, J. González-Fuentes, M.M. Arroyo-Jiménez	5261
BENEFITS OF SELF-LEARNING BEFORE THE LECTURES E. Ramos, C. García-Cantón, A. Romero	5267
DAGESTAN, RUSSIAN FEDERATION: EDUCATION CHALLENGES FOR MODERN LANGUAGE POLICY G. Aydaeva, L. Slavina, C. Gataullina, L. Mustafina, I. Sokolova, G. Ganieva	5268
RETHINKING FEEDBACK IN A CONNECTED AGE	5273
A.P. Lopes, M.L. Babo, J. Azevedo, C. Torres	
MAGIC IN CHEMISTRY CLASS: AN ACTIVITY TO FOSTER STUDENTS' INTEREST I. Sanchez Diaz, I. Goldhausen, L. Weise, B. Ralle, D.S. Di Fuccia	5283
GOOGLE AS THE NEW MEGA-DICTIONARY OR SPECIALISED ONLINE DICTIONARIES? A FRAMEWORK FOR E-DICTIONARY TYPOLOGY ANALYSIS M.C. Campoy-Cubillo, N. Edo-Marzá	5289
RCR LAB – ENHANCED LEARNING IN A VIRTUAL AND PHYSICAL IMMERSION CLASSROOM, PART OF PRODUCING INNOVATIVE RESEARCH FOR REGIONAL DEVELOPMENT K. Pihl, J. Sparf	5298
THE WAYS OF INTERACTION ON A BLENDED ONLINE COURSE AT SATAKUNTA UNIVERSITY OF APPLIED SCIENCES S. Korhonen, M. Kuohukoski	5299
ADDRESSING SUSTAINABILITY WITHIN THE GLOBAL IT GOVERNANCE FRAMEWORK M. Anghel, M. Udroiu	5306
E-DOCUMENTS – A DIGITAL FREEWAY FROM A CYBERSECURITY PERSPECTIVE C. Barbu, V. Vevera	5311
DO WE REALLY NEED E-LEARNING? CONSIDERATIONS BASED ON THE EXAMPLE OF WEST POMERANIAN UNIVERSITY OF TECHNOLOGY SZCZECIN, POLAND AND TECHNOLOGICAL EDUCATIONAL INSTITUTE OF THESSALY, GREECE E. Jaworska, J. Hernik, K. Sirakoulis	5315
BRAZILIAN PUBLIC POLICY TO REDUCE EVASION AND INFREQUENCY RATES: THE INFORMATION FLOW IN THE VOLTEI PROJECT S. Luiz de Paula, T. Lacerda Dias, J. Rodrigues de Souza, C. Fátima Silva Oliveira Santos	5325
DESIGNING A TECHNICAL COURSE FOR NON-TECHNICAL PROFILE STUDENTS: A BLENDED LEARNING APPROACH	5334
C. Pedret Ferré, R. Vilanova Arbós, M. Meneses Benítez	

THE PERCEPTION OF SELECTED ASPECTS OF THE MODELING AND SIMULATION BY LOGISTICS STUDENTS J. Banaś	5339
CAMEI COOPERATION ACTION PLAN: A SYSTEMATIC DOCUMENTATION TOOL OF INTERNATIONAL COLLABORATION ON FOSTERING IT SKILLS FOR HEALTHCARE ENHANCING SHARE AND REUSE OF DIGITAL EDUCATION RESOURCES S. Konstantinidis, N. Zary, V. Traver, P. Bamidis	5347
THE IMPACT OF THE LEARNING EXPERIENCES BASED ON EF GUIDELINE ON CHILDREN'S EXECUTIVE FUNCTION SKILLS: A CASE STUDY OF A KINDERGARTEN IN BANGKOK S. Permsubhirunya, P. Seree, P. Thanasetkorn	5357
HOW CAN ENGLISH SPEAKING BUSINESS FACULTY ADAPT THE BUSINESS CASE METHOD FOR NON-NATIVE ENGLISH SPEAKING STUDENTS? R. Eckhaus	5365
ADULT WOMEN'S EMPOWERMENT: LEARNING THROUGH PEER TEACHING IN ICT- ENHANCED COURSES AROUND EMPLOYMENT SKILLS AND SOCIAL ISSUES IN INDIAN VILLAGES B. Rao, S. Strauss	5372
LIFELONG LEARNING FOR RAISING CYBERSECURITY AWARENESS A. Udroiu, V. Vevera	5381
PERSPECTIVES OF EARLY CHILDHOOD EDUCATION IN INDIA AND FINLAND F. Adaikalam, S. Juvonen, P. Marjanen	5388
SUPPORTING E-LEARNING CONTENT FROM LINE OF BUSINESS APPLICATIONS - WORKING WITH OFFICE FILES FOR E-LEARNING CONTENT INTEGRATION P. Steininger	5395
AN INTEGRATED EXPERIENTIAL LEARNING AND PEER-TO-PEER LEARNING CURRICULUM FOR SIMULATING CURRENT AFFAIRS EVENTS IN A SCHOOL ENVIRONMENT G. Gullbadhar	5403
DESIGN OF A LABORATORY EXPERIMENT OF ELECTROCOATING FOR ENGINEERING MATERIALS STUDENTS R. Devesa, S. Urréjola	5404
MATHEMATICS SKILLS & DEFICIENCIES OF SCIENCES AND ENGINEERING STUDENTS AT THE BEGINNING OF THEIR DEGREES M.J. Fernández Guitérrez, M. Suárez Cuevas, J. Cereijo Viña, J.A. Trevejo Alonso, C. Eloy Álvarez, F. Sánchez Lasheras	5408
TRAINING OF THE ENTREPRENEURIAL LIBRARIAN AT A BRAZILIAN PUBLIC UNIVERSITY I. Carollyna da Silva, S. Luiz de Paula, C. Fátima Silva Oliveira Santos, J. Rodrigues de Souza	5415
DEVELOPMENT OF THEMATIC BLOCKS IN PARALLEL FOR THE GRAPHIC REPRESENTATION SYLLABUS. A METHODOLOGICAL APPROACH APPLIED TO AN ENGINEERING DEGREE S. Urréjola, R.M. Carreño	5421
YES, THE STUDENTS' FEEDBACK IS WORTHY J.R. Villar, P.A. García, E. de la Cal	5428
CHEMIE IM KONTEXT: OUTCOMES OF AN IMPLEMENTATION OF A CONTEXT-BASED METHODOLOGY FOR CHEMISTRY TEACHING I. Sanchez Diaz, D.S. Di Fuccia	5437
MY YEAR AS A VISITING SCHOLAR IN THE WEST BANK C. Dold	5446
THE CERTIFICATION IN THE PROCESS OF ITEM WRITING A. Gutiérrez, J. Tello Carrillo, E.P. Madrigal, A.G. Torres, N.S. Solís	5447
PORTFOLIO AS A TOOL FOR TEACHER EVALUATION: FOCUSED TO A TEACHER OF VOCATIONAL TECHNICAL SUBJECTS K. Šmejkalová, P. Sládek	5450
CONJOINT PROJECT-BASED LEARNING ON PARASITOLOGY IN TWO MASTER DEGREES: INTEGRATING KNOWLEDGE, OPTIMIZING RESOURCES F.J. Aznar, M. Fernández, F. Montero, A. Pérez-Del-Olmo, M.A. Raduán, J.A. Balbuena, J.A. Raga, J. Tomás	5455

ANALYSIS OF RESULTS AFTER THE IMPLEMENTATION OF AN INNOVATION TEACHING PROJECT FOR THE INTEGRATION OF PROJECT ORIENTED LEARNING (POL) IN A EXPERIMENTAL COURSE OF THE DEGREE OF CHEMICAL ENGINEERING M. Sancho, B. Garcia Fayos, J.M. Arnal	5461
LEADING FORWARD BY LEARNING-SCIENCES INFORMED DESIGN: ISTE TECHNOLOGY COMPETENCIES AND TEACHER EDUCATOR LEARNING A. Elkordy, A. Keneman	5469
DESIGN OF ACTIVITIES FOR THE DEVELOPMENT OF TRANSVERSAL COMPETENCE "ETHICAL AND PROFESSIONAL RESPONSIBILITY" IN STUDENTS OF CHEMICAL ENGINEERING B. Garcia Fayos, M. Sancho, J.M. Arnal	5474
RE-IMAGINING ACADEMIC LEADERSHIP AND MANAGEMENT PRACTICES AS CONNECTED AND EMERGENT SPACES FOR SOCIAL JUSTICE V.V.M. Dwayi	5481
MAKING VISIBLE WHAT IS INVISIBLE: GENDER STEREOTYPES IN EARLY CHILDHOOD R. Pinedo, M. Cañas, N. García, N. López	5492
NEW APPROACHES IN LIGHTWEIGHT DESIGN: V-MODEL OF LIGHTWEIGHT DESIGN BY COMPOSITES AS AN APPROACH OF INTER- AND TRANSDISCIPLINARY RESEARCH	5497
N. Weiß-Borkowski, I. Horwath, A. Berscheid, S. Dohmeier-Fischer, T. Tröster	
HOW CAN TRADITIONAL CONTINUING EDUCATION ACTIVITIES LIKE CONFERENCES, WORKSHOPS, SEMINARS, AND OTHER ENHANCE ONLINE TEACHERPRENEURSHIP? T. Gruber-Muecke	5502
TRANSFORMATION OF THE FRAMEWORK EDUCATION PROGRAMME TO THE SCHOOL EDUCATION PROGRAMME WITH THE FOCUS ON EDUCATION OF ECONOMIC SUBJECTS IN CZECH REPUBLIC P. Marinič, J. Válek	5503
COLLABORATION MODEL FOR WORK-INTEGRATED LEARNING IN HIGHER EDUCATION 3RD CYCLE I. Bernhard, U. Lundh Snis, M. Gellerstedt, L. Svensson	5509
THE EMPOWERMENT OF THE STUDENTS' REFLECTIVE COMPETENCE THROUGH THE ADOPTION OF THE FLIPPED LEARNING APPROACH A. Bevilacqua	5516
STATISTICAL METHOD TO EVALUATE DISTANCE EDUCATION COURSES O. Anglas Tarumoto, M. Tarumoto, E. Moriya Schlunzen, K. Schlunzen Jr.	5524
THE APPLICATION OF COCA CORPUS FOR A MORE SOPHISTICATED WORD CHOICE AND A BETTER EFL WRITING QUALITY G. Harb	5530
THE IMPACT OF NEUROTIC ENTREPRENEURSHIP ON BUSINESS PERFORMANCE OF SMALL AND MEDIUM SCALE ENTERPRISES O. Adegbuyi, E. Ayoade, O. Ogunnaike, A. Adegbuyi, O. Binuomote	5538
GAMIFICATION IN HIGHER EDUCATION - POLISH EXPERIENCE I. Zdonek	5544
A LIFELONG MODEL OF KEY COMPETENCIES IN PRESERVICE TEACHERS, TEACHERS AND PROSPECTIVE STUDENTS C. Bargmann, B. Wittner, S. Kauffeld	5549
INCREASING STUDENT ENGAGEMENT IN THEIR LEARNING THROUGH SCALING UP ACTIVE COLLABORATIVE LEARNING U.M. Richter, R. Berkson	5559
STUDENTS EXPERIENCING DISADVANTAGES DUE TO PROBLEMATIC SOCIAL OR ENVIRONMENTAL CONDITIONS. THE TERRITORIAL SERVICES GAZE C. Girelli, A. Bevilacqua	5569
THINKING ROUTINES ACROSS DIFFERENT SUBJECTS AND EDUCATIONAL LEVELS R. Pinedo, N. García, M. Cañas	5577
AUTOMATIC CLASSIFICATION OF STUDENTS' OPINIONS FOR STUDY ABROAD PROGRAM EVALUATION K. Kotani, M. Uchida	5581
PHD AND MASTER THESES ON GAMES AND EDUCATION: A REVIEW OF THE PORTUGUESE LITERATURE A. Martins, L. Oliveira	5585

INTERNATIONALIZATION AT HOME: THE CASE OF THE UNIVERSITY OF ALMERÍA V. Membrive, J. Martinez	5588
A TACTILE DIGITAL PLATFORM, BASED ON THE COMPLEXITY THEORY, FOR SUBJECTS OF THE AUTISTIC SPECTRUM DISORDER L. Oliveira, J. Colus, R. Fontes, N. Pellanda, L. Pellanda	5592
VIRTUAL CLASSROOM: BEYOND BRICK-AND-MORTAR LEARNING E. Bigne, L. Andreu, C. Ruiz, A. Badenes	5596
EXAMINING STUDENTS' ATTITUDES TOWARDS USING FACEBOOK AS AN EDUCATIONAL PLATFORM R. Faizi, A. El Afia, R. Chiheb	5605
USING NUMERICAL MODELS TO UNDERSTAND ACOUSTIC BEAM CONFORMATION D. Tarrazó-Serrano, S. Pérez-López, S. Castiñeira-Ibáñez, P. Candelas, C. Rubio	5610
USING CUBIC SPLINES TO SOLVE SECOND ORDER LINEAR DIFFERENTIAL EQUATIONS: A TEACHING APPLICATION F. Giménez Palomares, J.F. Giménez Luján, J.A. Monsoriu Serrá, P. Fernández de Córdoba Castellá	5617
EXPLORING THE POTENTIAL ROLE OF BIG DATA TECHNOLOGIES IN BOOSTING STUDENTS' LEARNING EXPERIENCE R. Faizi, A. El Afia, S. El Fkihi	5623
COMBINING RESEARCH AND LEARNING: AN EXAMPLE USING LOCAL E-GOVERNMENT EVALUATION G.P. Dias, H. Gomes	5628
ACADEMIA-INDUSTRY COLLABORATION IN CONTINUING ENTREPRENEURSHIP EDUCATION: COMPARING DISTANCE AND BLENDED LEARNING APPROACHES IN THE ALPINE SPACE T. Gruber-Muecke	5634
TEACHING ADVANTAGES OF THE USE OF NUMERICAL MODELS FOR UNDERSTANDING THE OPERATION OF ACOUSTIC RESONATORS S. Castiñeira-Ibáñez, D. Tarrazó-Serrano, S. Pérez-López, A. Uris, C. Rubio	5635
SELECTED QUESTIONS OF THE QUALITY OF TEACHING IN TECHNICAL EDUCATION AT SECONDARY SCHOOLS IN THE CZECH REPUBLIC P. Pecina, P. Sládek	5641
PROPOSAL OF A METHODOLOGY FOR THE INTEGRATION OF THE LEARNING OF NUMERICAL METHODS WITH WASTEWATER BIOLOGICAL TREATMENTS E. Alemany Martínez, F. Giménez Palomares, E.J. Asensi Darsí, J.A. Monsoriu Serrá	5647
UNIVERSITY STUDENTS' PERCEPTIONS OF A CORE CURRICULUM PROGRAM IN A CONSTRUCTIVIST LEARNING ENVIRONMENT: THE CASE OF SAUDI ARABIA M. Elgeddawy	5656
ASSESSMENT OF INNOVATION BEHAVIOUR – HOW TO TRAIN THE ASSESSORS OF COMPLEX COMPETENCIES C. Stange, H. Helker	5665
FAMILIARIZING STUDENTS-LINGUISTS WITH THE PHONETIC FEATURES OF THE VARIETIES OF THE ENGLISH LANGUAGE G. Yatsenko, S. Bodnar	5674
AN INNOVATIVE APPROACH IN LANGUAGE TEACHING: USING DISCOURSE ANALYSIS METHOD IN LANGUAGE AND LITERATURE COURSES TO IMPROVE COMPREHENSION SKILLS D. Ünveren Kapanadze	5680
THE IMPLEMENTATION OF COMPUTER PROGRAMMES OF ACOUSTIC SPEECH ANALYSIS INTO THE RESEARCH PROJECTS OF STUDENTS-LINGUISTS S. Bodnar, G. Yatsenko	5692
A CORRELATIONAL STUDY ON FACTORS THAT INFLUENCE THE COHESION OF SOFTWARE ENGINEERING STUDENTS TEAMS D. Tamayo, W. Van Petegem, Y. Cruz Ochoa, M. Noda Hernández	5697
LEARNING PHYSICS FROM WRONG PRECONCEPTIONS THROUGH DAILY-LIFE RELATED EXPERIMENTS	5703
I.G. Gurtubay, J. Sáenz, G.A. López, S.J. González-Rojí, I. Unzueta, P. Garcia-Goiricelaya, I. Alonso, A. Leonardo, J. Martinez-Perdiguero	
OUTCOMES FROM A TECHNOLOGY-BASED ACTIVE LEARNING INITIATIVE IN A BIOLOGY PROGRAM A. Lloyd	5712

UNIVERSITY STUDENTS' PERCEPTIONS OF WEBQUEST IN A PROBLEM-BASED LEARNING ENVIRONMENT M. Elgeddawy	5716
USE OF A FLIPPED-CLASSROOM MODEL OF INSTRUCTION IN A FIRST-YEAR UNIVERSITY BIOLOGY COURSE SEQUENCE A. Lloyd	5717
DEVELOPMENT OF A RAPID MENTORING SCHEME FOR MANAGING LARGE CLASSES IN ENGINEERING DEPARTMENTS F. Idachaba	5725
THE MORE DIGITAL, THE BETTER? ANALOGUE GAMIFICATION IN ADVANCED BLENDED LEARNING ENVIRONMENTS L. Lenz, V. Stehling, M. Haberstroh, I. Isenhardt	5732
IS OUR SHADOW ALWAYS THE SAME THROUGHOUT THE DAY? TEACHING DIURNAL ASTRONOMY IN KINDERGARTEN S. Rosa, I. Luján, R. Limiñana, C. Nicolás, A. Menargues, J. Martínez-Torregrosa	5742
BEHAVIOUR AND PERSONALITY IN TEAM DYNAMICS J.M. Alberola, E. Del Val Noguera, A. Palomares-Chust, M.D. Teruel	5750
DEVELOPMENT AND APPLICATION OF AN APP FOR VIRTUALIZED LEARNING OF SCIENTIFIC AND MEDICAL TERMINOLOGY L. Rivas, V.A. Aparicio, E. Nebot, D. Camiletti, R. Martinez, E. Talavera, R. Gimenez, M. Navarro, M. Olalla, S. Pastoriza, M. Lopez Jurado, C. Samaniego, C. Lopez Chaves, J. Porres, J.A. Rufian, J.L. Benitez, A. Rodriguez Dieguez, B. Fernandez Lopez, A. Salinas, C. Gomez, L. Moreno, A. Varela, M. Noguera, A. Fernández, C. Rodriguez, P. Aranda, J. Llopis, C. Sanchez Gonzalez	5757
ASSESSMENT OF KNOWLEDGE ACQUISITION OF "GOOD PRACTICES" IN PROJECT MANAGEMENT AND ITS INFLUENCE IN THE ACHIEVEMENT OF PROJECT SUCCESS A. Lozano Torró, T. García Segura, L. Montalbán Domingo, E. Pellicer Armiñana	5762
PHARMACOGENETICS FOR EVERYONE C.B. García, E. Sangüesa, J. Concha, E. Zuriaga, V. López, L. Lomba, B. Giner, M.P. Ribate	5769
STUDY OF THE BONES AND THEIR IMPORTANCE FOR OUR ORGANISM: SEQUENCE OF ACTIVITIES FOR KINDERGARTEN EDUCATION C. Nicolás, I. Luján, A. Menargues, S. Rosa, R. Limiñana, J. Martínez-Torregrosa, A. Legidos	5773
THE IMPACT OF LEARNING EXPERIENCES BASED ON EF GUIDELINE ON CHILDREN'S EXECUTIVE FUNCTION SKILLS: A CASE STUDY OF A SCHOOL IN TAK PROVINCE C. Arsan, P. Seree, P. Thanasetkorn	5780
IMPLEMENTING SUSTAINABLE DEVELOPMENT IN A SMALL AND MEDIUM-SIZED ENTERPRISE: THE ROLE OF INNOVATION IN WORKPLACE LEARNING C. Costache, D. Dumitrascu	5787
STRATEGIES TO OVERCOME BARRIERS IN USING A MOBILE PHONE TO ASSESS THE QUALITY OF HEALTHCARE SERVICES K. Śmiatacz, A. Błachnio	5796
TEACHING INFRASTRUCTURE MAINTENANCE MANAGEMENT THROUGH INTERDEPARTMENTAL COLLABORATIONS T. García Segura, L. Montalbán Domingo, A. Lozano Torró, E. Pellicer Armiñana	5802
WE ALSO TAKE CARE OF ENVIRONMENT B. Giner, C.B. García, J. Concha, E. Sangüesa, E. Zuriaga, L. Lomba, M.P. Ribate	5809
RELATIONSHIP BETWEEN SCHOOL ANXIETY AND DEPRESSION M.C. Martínez-Monteagudo, A. Fernández Sogorb	5813
MOOC LEARNERS: WHO ARE THEY AND WHAT ARE THEIR PERSPECTIVES? J. Viana, A. Moura Santos	5818
USING WEB ANALYTICS TOOLS TO IMPROVE THE QUALITY OF EDUCATIONAL RESOURCES AND THE LEARNING PROCESS OF STUDENTS IN A GAMIFIED SITUATION D. Amo, A. Valls, M. Alier, X. Canaleta, F. García-Peñalvo, D. Fonseca, E. Redondo	5824
MICROTEACHING FOR THE DEVELOPMENT OF PROFESSIONAL SKILLS OF STUDENT-TEACHERS A. Bueno Villaverde	5830
IMPLEMENTING AN INTERNAL QUALITY ASSURANCE SYSTEM FOR DOCTORAL EDUCATION A. Teixeira, M.J. Rosa, J.F. Mendes, J.A. Rafael	5834

BRINGING THE "WOW" FACTORS IN SCIENCE CLASSROOM TO INCREASE STUDENTS' INTEREST J.M. Fernández Novell, C. Zaragoza Domenech	5841
DIGITAL FILMMAKING IN CHEMICAL, BIOLOGICAL, RADIOLOGICAL AND NUCLEAR FIRST RESPONDERS TRAINING M. Gawlik-Kobylińska, P. Maciejewski	5849
THE INCLUSION OF THE SUSTAINABLE DEVELOPMENT GOALS TO THE FINAL DEGREE PROJECT J.B. Ferreres Bonfill, B. Forés, M.L. Lara Ortíz	5854
SMART DIGITAL EDUCATION ENHANCED BY AR AND IOT DATA E. Shoikova, R. Nikolov, E. Kovatcheva	5861
INNOVATIONS IN LANGUAGE TEACHING BASED ON RECENT RESEARCH M.J. Myers	5872
PERCEPTION OF CIVIL ENGINEERING STUDENTS ABOUT KEY CRITERIA TO ASSESS SUSTAINABILITY L. Montalbán Domingo, T. García Segura, A. Sanz Benlloch, A. Lozano	5880
OUTCOME BASED ENGINEERING CURRICULUM DESIGN: A SYSTEM FOR CURRICULUM STREAMLINING AND GRADUATE QUALITY IMPROVEMENT IN ENGINEERING F. Idachaba	5888
LEARNING TO EMBODY PROFESSIONAL VALUES AMONG UK NURSING ASSOCIATES H. Lord, R. Gurbutt	5894
A NEW INITIATIVE IN LABORATORY PRACTICES INNOVATION IN UNIVERSITY LEVEL J.M. Fernández Novell	5903
METHODOLOGY TO RAISE AWARENESS OF SUSTAINABLE PRACTICES IN PUBLIC PROCUREMENT OF CONSTRUCTION L. Montalbán Domingo, T. García Segura, A. Lozano Torró, A. Sanz Benlloch	5910
"KABIA" GLOBAL INNOVATION PROJECT. TRANSFORMING LEARNING PROCESS IN A SECONDARY PUBLIC SCHOOL: CHALLENGES AND RESULTS A. Urzelai, A.M. Etxegarai	5919
CRITICAL THINKING COMPETENCE AND ETHICS THROUGH DIGITAL INTERMEDIAL STORYTELLING: NEW NARRATIVE FOR EUROPE PROJECT FROM THE HUMANITIES WITH SPANISH UNIVERSITY STUDENTS X. Sotelo Garcia	5926
MA DEGREE PROGRAM "THEORETICAL AND APPLIED LINGUISTICS" (IN ENGLISH) AS A NEW TREND AT RUDN UNIVERSITY N. Perfilieva, N. Novospasskaya	5931
'ARCHITECTS FOR THE FUTURE': UPDATING AND TRANSFERRING CONTENT THROUGH NEW LEARNING EXPERIENCES	5937
F. Vegas López-Manzanares, Y. Hernández Navarro, C. Mileto, L. García-Soriano, M. Diodato, V. Cristini	
INFORMATION TECHNOLOGY IN FRENCH LANGUAGE TEACHING FOR GENERAL UPPER SECONDARY SCHOOL L. Abdullina, A. Ageeva, E. Artamonova	5942
HOW TO USE BRAINSTORMING, MIND MAPPING AND STORY CREATION AS FLIP TEACHING PRACTICES IN THE SUBJECT OF ARCHITECTURAL RESTORATION C. Mileto, V. Cristini, L. García-Soriano, F. Vegas López-Manzanares, M. Diodato, Y. Hernández Navarro	5949
FOSTERING DIGITAL COMPETENCIES IN A REGIONAL CONTEXT E. Rodrigues, I.S. Brito, J.P. Barros, A.J. Toucinho Silva	5954
CONSIDERING REGIONAL CULTURAL SPECIFICS IN TEACHING TRANSLATION / INTERPRETING A. Ageeva, M. Lukina, N. Gabdreeva	5959
AN EDUCATIONAL HISTORICAL GAME USING VIRTUAL REALITY T. Szymczyk, J. Montusiewicz, S. Skulimowski	5964
RESULTS FROM AN ONLINE SCENARIO BASED COMPASSION INTERVENTION: A PILOT STUDY M. Durkin, R. Gurbutt, J. Carson	5972
TEAMWORK AT UNIVERSITY OF THE WEST BOHEMIA	5979

SYNERGIES OF PROBLEM BASED LEARNING, SATISFACTION OF STUDENTS AND EVALUATION	5983
J. Bilbao, C. Varela, O. García, C. Rebollar, E. Bravo	
MATHEMATICS IN EVERYDAY LIFE AROUND PROBLEM SOLVING H. Campos, B. Morgado, P. Catarino	5989
MANAGEMENT APPLIED DIRECTLY TO UNIVERSITY WORLD: CHANCE TO EMPOWER STUDENTS	5998
J. Bilbao, C. Feniser, O. García, C. Rebollar, E. Bravo, C. Varela	
DESIGNING MEDIA LITERACY EDUCATION FOR INTERCULTURAL CONTEXTS. THE MIEF FRAMEWORK AND GUIDELINES M. Ranieri, F. Fabbro	6002
MANIPULATIVE MATERIALS TO LEARN MATHEMATICAL CONCEPTS IN PRIMARY SCHOOL H. Campos, J. Soares, P. Catarino	6009
WELL BEGUN IS HALF DONE. DIGITAL COMPETENCE AND HIGHER EDUCATION L. Di Mele, G. Cosi, M. Ranieri	6019
EXPERIENTIAL LEARNING: HOW TO DEVELOP PROFESSIONAL SKILLS IN COMMUNICATION AND ADVERTISING STUDENTS K. Mejía, V. Baena, G. González-Cuevas	6025
SHIFTING OUR FOCUS: HELPING STUDENTS IMPROVE THEIR LEARNING IN THE AFFECTIVE DOMAIN P. Griswold, T. Hammar	6031
PROFESSIONAL IDENTITY CREATION: HOW INTERNS BUILD THEIR IDENTITY IN THE WORKPLACE R. Karaja, J. Martinez Del Rio	6036
THE ARCHITECTURE WORKSHOPS: ACADEMIC EXPERIENCE IN SEARCH OF QUALITY IN EDUCATION A. Casares-Gallego, A. Raya	6043
THE LINK BETWEEN OFF CAMPUS WORK FOR STUDENTS, REDUCED ACADEMIC PERFORMANCE AND INCREASED MENTAL HEALTH ISSUES A. Brennan, M. Dempsey, M. O'Dea	6052
STATE-OF-THE-ART IDEAS FOR ENGINEERING LABORATORY CLASSES – VIRTUAL REALITY FRAMEWORK P. Ziolkowski	6061
OPTIMIZING QUALITY LEVEL AND APPLYING ON-LINE MARKETING TECHNIQUES FOR HIGHER EDUCATION SERVICES D. Dumitriu, M. Popescu, C. Alexe	6067
BIG, BEAUTIFUL AND MESSY. INTERDISCIPLINARITY IN INTERNATIONAL COMPARATIVE HIGHER EDUCATION RESEARCH PROJECTS K.L. Hope	6078
DEVELOPING LANGUAGE SKILLS USING ENGLISH AS THE MEDIUM OF INSTRUCTION IN HIGHER EDUCATION AREA IN THE FIELD OF CIVIL ENGINEERING S. Paduretu, A.G. Popa	6079
TEXT-TO-SPEECH APPLICATIONS TO DEVELOP EDUCATIONAL MATERIALS R. Sanchis, B. Andrés, R. Poler	6085
CHALLENGES OF LIFELONG LEARNING OF MEDICAL DOCTORS WITHIN THE SCOPE OF PREPARATION FOR ACTING IN THE POSITION OF A HEALTHCARE UNIT MANAGER B. Freund	6094
RISKY TWEETS A. Ruda	6101
BENEFITS AND COSTS ASSOCIATED WITH SELF-EMPLOYMENT ACCORDING TO FEMALE STUDENTS OF PEDAGOGY A. Kulpa-Puczyńska	6105
CURRENT ISSUES IN DESIGNING COURSE CONTENT FOR HIGHER EDUCATION AREA USING ENGLISH AS A MEDIUM OF INSTRUCTION IN THE FIELD OF CIVIL ENGINEERING S. Paduretu, A.G. Popa	6112
MANAGEMENT AND LEADERSHIP FOR EMPLOYEES' HEALTH PROMOTION B. Freund	6117

TEACHING FALSE COGNATES AT THE UNIVERSITY (AMONG THE ENGLISH, SPANISH AND RUSSIAN LANGUAGES) O. Palutina, K. Amirkhanova, E. Harkova	6123
EDUCATIONAL TECHNOLOGIES IN THE ERA OF "CLIP THINKING" T. Rezer, N. Symaniuk, E. Kuznetsova	6129
MIGRATION AND LIFELONG LEARNING: ETHNICITY DIFFERENCES IN THE WILLINGNESS TO LEARN L.I. Llinares-Insa, A. Córdoba-Iñesta, J.L. Belver-Dominguez, N. Hernáiz-Agreda, J.J. Zacarés-González	6134
EDUCATION IN SPORTS VALUES THROUGH GAMIFICATION R. Menéndez-Ferreira, R. Ruíz Barquín, A. Maldonado, D. Camacho	6139
ANALYSIS OF THE USE OF MACHINE TRANSLATION BY HIGHER EDUCATION STUDENTS M. Fuentes Agustí, O. Torres-Hostench	6148
PARTNERSHIPS TO IMPROVE TEACHER RETENTION F. Aefsky, R. Sedlack	6154
ASSESSMENT OF SELECTED FACULTIES IN SLOVAKIA: DEA-BASED MALMQUIST INDEX APPROACH P. Böhm, Z. Stofkova, M. Vojtekova	6157
ASSOCIATION BETWEEN SELF-REGULATED LEARNING STRATEGIES BASED ON SERIOUS GAMES AND LEARNING ACHIEVEMENTS R. Samaniego, B. De Benito, J. Encalada, J. Chamba	6165
STAGES OF THE SPANISH LANGUAGE EDUCATION DEVELOPMENT IN RUSSIA J.M. González García, O. Palutina, A. Ismagilova	6172
E-LEARNING IN MIXED REALITY LANDSCAPE: EMERGING ISSUES AND KEY TRENDS IN SCIENTIFIC RESEARCH R. Abreu, F. Almeida	6181
INTEREST SHOWN BY MEDICAL STUDENTS AT UNIVERSITY OF SAN PABLO CEU (SPAIN) REGARDING PREVENTION AND RESPONSE TO OUTBREAKS OF INFECTION A. Peña-Fernández, S. Fenoy, M.C. Lobo-Bedmar	6188
TEACHING NUMERICAL ANALYSIS BASED ON MATHEMATICAL SKILLS DEVELOPMENT M. Caligaris, G. Rodríguez, L. Laugero	6193
VIRTUAL CASE STUDIES IN THE NOVEL RESOURCE DMU E-PARASITOLOGY A. Peña-Fernández, M.A. Peña, N. Potiwat, J. Coope, A. Magnet	6201
AN INTERNSHIP ANALYSIS: EXPERIENCE, EXPERIMENT, EXPERTISE IN THE ITALIAN SCHOOL SYSTEM G. Bissoli, O. Bottes, A. Regolini, G. Scapin	6207
"SUN DAMAGE PROTECTION TENT". DERMOPHARMACY AS A TOOL FOR SKIN CANCER PREVENTION M. Uriel, A. Saez-Benito, D. Acebes, C. Gómez	6215
FOREIGN LANGUAGE EDUCATION QUALITY PERCEPTION: A CASE STUDY AT A RUSSIAN UNIVERSITY A. Astanina	6219
THE ONLINE MARKETING TOOLS USED BY THE SPANISH FACULTIES OF BUSINESS ADMINISTRATION N. Sánchez-Casado, M.J. Liarte-Roca	6227
MEDICAL SCIENCE STUDENTS' OPINION ON TRAINING TO ADDRESS THE ANTIBIOTIC RESISTANCE PHENOMENON A. Peña-Fernández, M.D. Evans, G. Torrado, M.A. Peña	6234
HISTORY IMAGINARIES: THE ADVENTURE OF PERAK MAN AND BORNEO R. Ariffin, R. Hashim, S. Alias	6239
TEACHER TRAINING IN ENGINEERING EDUCATION: SEARCH FOR NEW PEDAGOGICAL APPROACHES E. Smirnova, N. Vatolkina	6240
A GAMIFIED VIRTUAL LEARNING ENVIRONMENT FOR STATISTICS LEARNING M.M. Tenório, R.P. Lopes, L. Aparecido de Góis, G. dos Santos Junior	6248
HUMAN BIOMONITORING RESEARCH AT DE MONTFORT UNIVERSITY: SCHOOL AND UNIVERSITY PARTICIPANTS' RECRUITMENT EXPERIENCE A. Peña-Fernández, N. Ali, D. Millington, M.C. Lobo-Bedmar, P. Haris	6258

EVALUATION OF RESEARCH AND EDUCATIONAL PERFORMANCE OF SELECTED FACULTIES IN SLOVAKIA P. Böhm, M. Vojtekova	6263
CAN PHD PROGRAMS FROM DIFFERENT AREAS BE COMPARED USING BIBLIOMETRIC DATA? A. Teixeira, T. Rocha-Santos, G.P. Dias, J.F. Mendes	6271
THE MODEL AS A TEACHING RESOURCE APPLIED IN SUBJECTS OF CONSTRUCTION TECHNOLOGY (STEEL AND CONCRETE STRUCTURES AND FOUNDATIONS) IN THE BACHELOR DEGREE IN TECHNICAL ARCHITECTURE J.M. Gandía-Romero, M. Iborra	6276
CONSTRUCTING NATIONAL IDENTITY IN A CHANGING WORLD: PERSPECTIVES IN RUSSIAN EDUCATION E. Monakhova, O. Pavlenkova	6281
ALTERNATIVE SOLUTIONS TO STIMULATE AVIATION STUDENT'S CREATIVITY IN ACADEMIC RESEARCH C. Cioaca, S. Pop	6287
DIFFERENCES IN TRAINING IN HUMAN ELEMENT LEADERSHIP AND MANAGEMENT FOR SHIP OFFICERS AND MASTERS A. Ortega-Piris, E. Díaz-Ruiz de Navamuel, L. Sanchez-Ruiz	6294
AN ANALYSIS OF THE TECHNOLOGY ACCEPTANCE MODEL IN UNDERSTANDING ELDERLY'S OPENNESS TO TELEMEDICINE SERVICES IN POLAND. THE RELEVANCE OF PERSONAL AND ENVIRONMENTAL BARRIERS IN SENIORS' ICT EDUCATION A. Błachnio, K. Śmiatacz	6302
INNOVATING IN UNIVERSITY: THE RELEVANCE OF MANAGEMENT AND COORDINATION IN THE UNDERGRADUATE PROGRAMS AT THE SCHOOL OF POLITICAL SCIENCES AND SOCIOLOGY, COMPLUTENSE UNIVERSITY OF MADRID M.B. Benéitez Romero, M.I. Blázquez-Rodríguez, C. Ortiz Soto, S. González Pérez, A. Sanz Gimeno, I. Schweiger Gallo, C. Pérez Sánchez, E. Carrillo Barroso, M. Velasco González, J.C. Revilla Castro	6310
THE END OF CLASS TASK IN THE DEVELOPMENT OF CRITICAL THINKING IN MATHEMATICS H. Campos, T. Ferreira	6315
LIFE-LONG LEARNING – MOTIVATION AND PARTICIPATION IN CONTINUING PROFESSIONAL DEVELOPMENT: THE CASE OF ADULT EDUCATION TUTORS C. Mc Loughlin, M. Jennings	6324
USE OF PROBLEM-BASED LEARNING AT THE SECONDARY SCHOOL O. Pavlenkova, E. Monakhova	6335
THE USE OF DISCOVERY LEARNING ON THE EXAMPLE OF MOBILE MODULAR ROBOT CONTROL LEARNING S. Skulimowski, J. Montusiewicz, T. Szymczyk, P. Wójcicki	6340
WHAT DO STUDENTS THINK OF KAHOOT!? C. Silbenberg	6349
INVITING CREATIVE THINKING AND INTERACTION IN THE ENGLISH LANGUAGE CLASSROOM A. Gainutdinova, R. Mukhametzyanova	6359
SUSTAINABLE INTER-UNIVERSITY NETWORKS: A NEW STRATEGY FOR INTERNATIONALISATION OF HIGHER EDUCATION. THE CASE OF THE U4 G. Laureys	6363
SUSTAINABLE WATER RESOURCE MANAGEMENT THROUGH EDUCATION D.F. Nasulea, C. Mic-Soare, C. Nasulea, S.M. Mic, B.N. Cretu	6369
PROGRAMMING ENVIRONMENTS FOR LEARNING DIGITAL SIGNAL PROCESSING I.B. Pavaloiu, M. Raducanu, I. Petrescu, G. Dragoi	6376
NAVIGATING ORGANIZATIONS THROUGH COMPLEX ENVIRONMENTS: MAPPING THE FIELD OF HIGHER EDUCATION ACCOUNTABILITY J. Brown	6384
THE GENERAL NATURE OF THE NATIONAL CHILDREN AND YOUNG PEOPLE POLICY IN LATVIA A. Stasulane, I. Kacane	6385
USING A 3-TIER TRAINING MODEL FOR EFFECTIVE EXCHANGE OF GOOD PRACTICES IN AN ERASMUS+ PROJECT G. Alves, A. Fidalgo, M. Marques, M. Viegas, M. Felgueiras, R. Costa, N. Lima, W. Kulesza, J. Zubía, M. Castro, A. Pester, A. Pavani, J. Silva, L. Schlichting, S. Marchisio, R. Fernández, V. Oliveira, M. Pozzo	6392

START-UP OF A CATALOG OF EXPERIMENTAL DEMONSTRATIONS: ACTIVE METHODOLOGIES IN BASIC SUBJECTS	6401
R.I. Vilaplana, R. Del Rey Tormos, F.J. Manjón Herrera, J.A. Monsoriu Serrá, C. Torregrosa Cabanilles, P. Llovera Segovia	
TESTING ABILITY OF PUPILS TO ESTIMATE VALUES OF PHYSICAL QUANTITIES V. Maxera, L. Pawera, T. Miléř, J. Šíbor	6405
EVALUATION AND DISSEMINATION OF EDUCATIONAL MATERIALS DEVELOPED BY TEACHERS AS OPEN EDUCATIONAL RESOURCES I. Alpizar-Chacon, P. Morales-Rodriguez	6409
USER EXPERIENCE DESIGN STRATEGIES: IMPROVING THE REQUIREMENT-GATHERING PROCESS FOR E-LEARNING PRODUCTS ON LEARNING MANAGEMENT SYSTEMS THROUGH UX WORKSHOPS A. Calvo-Elizondo	6417
PROFESSIONAL PREPARATION OF THE TEACHER FOR THE RESOLUTION OF PEDAGOGICAL CONFLICTS IN THE EDUCATIONAL ORGANIZATION Z. Onzimba Lenyungo	6424
THE STUDENT VOICE IN CURRICULUM TRANSFORMATION S. Haupt, H. Erasmus	6428
DIGITAL CITIZENSHIP IN PAKISTAN - OPPORTUNITIES AND CHALLENGES C. Sinclair-Jones	6434
INFORMATION LITERACY SKILLS DEVELOPMENT: AN EXPLORATORY ANALYSIS IN THE UNIVERSITY AREA L. Sanchez-Ruiz, P. Martinez	6435
SMART WINDOWS DESIGN: INTERDISCIPLINARY AND INTERNATIONAL COOPERATION EXPERIENCE INTEGRATING GRADUATE STUDENTS TO THE IDEATION PROCESS AND USERS STUDIES J. Alarcón, H. Aguilar, P. Sánchez-Friera, J. Gomes, G. Ormeño	6442
PEDAGOGICAL RESOURCES PRODUCTION AND MULTIMEDIA FOR MOOCS: THE EXPERIENCE OF INSTRUCTIONAL DESIGN CONSTRUCTION IN A BRAZILIAN E-LEARNING INSTITUTION P. Trindade Garcia, A.E. Figueiredo de Oliveira, R. Soares Reis, S. Matos Silva, I. Aguiar Prado, K. Correa Trindade, L.G. Sodré Sousa	6449
ANALYZING THE NEED OF DIGITAL TOOL FOR BRIDGING THE LANGUAGE GAP M. Hussnain, H. Baloch, N. Mumtaz, M. Zehra Miyan	6455
DIDACTIC EXPLORATION OF MAIN DIALOGUE TACTICS IN SPEECH S. Kurbakova, D. Beresnev, Y. Kozhukhova	6459
FACEBOOK AS A SPACE FOR DISSEMINATION OF INFORMATION ABOUT SCHOOL ACTIVITIES R. Cortés-Campos, A. Rivero-Pérez	6464
LINKING THE SECONDARY SCHOOL WITH UNIVERSITY: A PROJECT FOR ENGAGING STUDENTS	6469
N. Sánchez-Casado, E. Tomaseti-Solano, L. Martínez-Caro COMPARISON OF THE AGILE MANUFACTURING AND THE LEAN PRODUCTION	6474
P. Matějka, J. Válek, P. Marinič CHALLENGES TO MEDIA LITERACY IN AN ERA OF FAKE NEWS	
B. Wiggins	6482
TEACHING IS LEARNING: EXPLORING FACULTY PERCEPTIONS OF FIRST-TIME ONLINE COURSE DEVELOPMENT R. Plews, M. Bonvin	6488
AN INTERDISCIPLINARY CROSSROADS REGARDING "THE ENDEMIC PLANTS OF ULUDAĞ": THE OPINIONS OF PRE SERVICE TEACHER D. Bilhan, N. Parlak Yilmaz, R. Daşkın, H. Şensoy	6495
FACTORS FOR CHOOSING STUDIES AT UNIVERSITY IN THE CONTEXT OF CHANGES IN HIGHER EDUCATION OF THE COUNTRY IN TRANSITION A. Eidimtas, R. Brunevičiūtė	6506
AN INNOVATION EXPERIENCE IN THE MANAGEMENT OF UNIVERSITY DEGREES INVOLVING BACHELOR THESES, RECOGNITION AND TRANSFER OF CREDITS AND SUPPORT PROGRAMS FOR STUDENTS IN THE FACULTY OF POLITICAL AND SOCIAL SCIENCE OF THE COMPLUTENSE UNIVERSITY (MADRID) M.B. Benéitez Romero, S. González Pérez, C. Ortiz Soto, I. Schweiger Gallo, C. Sánchez Pérez, A. Sanz	6514
Gimeno, J.C. Revilla Castro, M. Velasco González, E. Carrillo Barroso, M.I. Blázquez-Rodríguez	

A MEDICAL IMAGING COMPUTING LEARNING PROGRAM: TRANSITIONING TOWARDS THE MEDICAL TECHNOLOGY IN AFRICA M.D. Afonso Suárez, A. Skareb, J. Ruiz Alzola	6519
TEACHING-LEARNING METHODOLOGY, ASSESSMENT AND RESULTS OF THE "SEISMIC DESIGN OF STRUCTURES" SUBJECT OF SECOND COURSE OF SPECIALIZED MASTER IN CIVIL ENGINEERING AT UNIVERSITAT POLITÈCNICA DE VALÈNCIA J. Pereiro-Barceló, J.L. Bonet, C.M. Gisbert-Doménech, R. Valiente-Sanz	6526
	(E01
THE GAME AS A TOOL FOR IMPROVING SELF-ESTEEM IN CHILDREN WITH CANCER D. Garrote Rojas, S. López Madrigal, R.M. Serna Rodríguez, B. Sánchez Navalón	6531
THE DEVELOPMENT OF MATHEMATICS POPULARIZATION ACTIVITIES IN LITHUANIA AFTER THE RESTORATION OF INDEPENDENCE B. Narkeviciene, V. Kravcenkiene	6540
EXPERIENCES WITH FLIPPED TEACHING, APPLICATION IN CONSTRUCTION TECHNOLOGY SUBJECTS (BACHELOR IN BUILDING TECHNOLOGY) M. Iborra, J.M. Gandía-Romero	6541
CONTENT AND LANGUAGE INTEGRATED LEARNING VIA CONCEPT MAPPING: TRADITIONAL ASSESSMENT DIFFICULTIES FOR VERIFYING SIGNIFICANT LEARNING IN BILINGUALS	6545
J.L. Gómez Ramos, J. Lirio Castro, I. Gómez-Barreto, D. Garrote Rojas	
THE FINAL DEGREE PROJECT AS AN INDICATOR OF THE ACADEMIC COMPETENCIES ACQUIRED M.L. Lara Ortíz, B. Forés, J.B. Ferreres Bonfill	6555
THE DARK SIDE OF PRODUSAGE – CONCENTRATION AND DEATH CAMPS AS USER-GENERATED CONTENT FOR THE GAME PRISON ARCHITECT FROM THE PERSPECTIVE OF MEDIA ETHICS AND MEDIA PEDAGOGY P. Maisenhölder	6560
EXPERIENCE ABOUT EMPIRICAL AND ANALYTICAL FINAL PROJECT IN "STRUCTURAL CONCRETE" SUBJECT AT UNIVERSITAT POLITÈCNICA DE VALÈNCIA J. Pereiro-Barceló, J.L. Bonet	6571
CHARACTERISTICS OF NURSING PRACTICAL FUNDAMENTAL CAPABILITIES (LITERACY AND COMPETENCY) BY FUNDAMENTAL EDUCATION AND ACQUIRED QUALIFICATION OF NURSES T. Nishizono, Y. Minoura, C. Akazawa	6576
FROM A DISTANT LAND: DESIGNING A MOOC P.C. Izquierdo, M.A. Flórez de la Colina, M. Valiente Lopez	6582
MAPPING OF KNOWLEDGE IN INTERNATIONALIZATION THROUGH A BIBLIOMETRIC ANALYSIS I. Gómez. K. Alvarez. K. Moreno	6587
DEDUCTIVE AND INDUCTIVE APPROACHES FOR TEACHING CONCEPTUAL METAPHORS IN THE ESP CONTEXT V. Beltran-Palanques, A.J. Silvestre-López	6594
PROCESSING OF ENGLISH IDIOMS BY GREEK EFL LEARNERS: EFFECTS OF IDIOM TYPE AND PROFICIENCY LEVEL T. Liontou	6603
NEW MATERIALS FOR CONSTRUCTION WITH 3D PRINTERS, COMPARATIVE STUDY M. Valiente Lopez, S. Moyano Sanz, M.C. Sanz Contreras	6607
APPROACHING THE VOCABULARY OF EMOTIONS IN HIGHER-EDUCATION ESP SETTINGS THROUGH CONCEPTUAL METAPHORS A.J. Silvestre-López, V. Beltran-Palanques	6617
CAREER ASPIRATIONS OF ARCHITECTURE STUDENTS: IMPLICATIONS FOR THE ARCHITECTURAL PROFESSION IN NIGERIA A. Opoko, A. Daramola, W. Eke	6625
CREATING EFFECTIVE QUIZZES BY BALANCING THE DISTRIBUTION OF QUESTION TYPES B. Ilijoski, Z. Popeska, E. Stankov	6631
ETHNIC BARRIERS FOR MINORITIES TO STUDYING THE NATIONAL LANGUAGE IN CHINA AND RECEIVING EDUCATION IN IT S. Barov, M. Egorova, T. Orlova, E. Nikulina	6638

EVALUATION OF STUDENTS SATISFACTION -TEST RESULTS -UNIVERSITY OF SCIENCE AND TECHNOLOGY M. Klemke-Pitek, M. Zajdel, M. Michalcewicz-Kaniowska	6644
LEARNING NEGOTIATIONS SKILLS ON-LINE BY A CASE-BASED METHODOLOGY THROUGH CO-CONSTRUCTION OF KNOWLEDGE BETWEEN INDUSTRY AND ACADEMY	6651
M. Hattinger, K. Eriksson ANALYSIS OF THE CUMULATIVE ASSESSMENT IN THE FIELD OF COMPUTER	6659
SCIENCE A. Brilingaitė, L. Bukauskas	0037
EDUCATIONAL ACTIVITY OF THE GREEK CULTURAL CENTER IN RUSSIA AS A FACTOR FOR FORMING THE POLITICAL CULTURE OF THE RUSSIAN SOCIETY S. Barov, M. Egorova	6668
INNOVATION IN DESIGN THROUGH MATERIALS: THE PROJECT-BASED LEARNING (PBL) METHOD B. Del Curto, S. Lucibello, L. Trebbi	6674
TEACHING COMMUNITY INTERPRETING AT UNIVERSITY: A CHALLENGE OF THE MULTICULTURAL SOCIETY E. Mukhametshina, N. Latypov, A. Timerkhanov	6683
DEVELOPING PHRASEOLOGICAL COMPETENCE IN FOREIGN LANGUAGE LEARNERS	6687
D. Kuzmanovska, S. Kirova, N. Daskalovska, V. Dimova	
DO WEB-BASED PEDAGOGICAL TOOLS PROMOTE SELF-REGULATED LEARNING IN UNIVERSITY STUDENTS? A CASE STUDY OF LEARNING MANAGEMENT SYSTEM IN PAKISTAN U. Ur Rehman, A. Lazareva, O. Tveiten	6692
SUPPORTING ONLINE STUDENTS THROUGH THE LIMINAL SPACE FROM FACILITATED ONLINE MODULES TO SELF-STARTING A THESIS M. O'Dea, A. Brennan, M. Dempsey	6701
METHOD OF PROJECTS AT FOREIGN LANGUAGE LESSONS E. Dorofeeva, R. Gubaydullina	6709
A PEER-REVIEW SCIENTIFIC METHODOLOGY WITH A UBIQUITOUS CO- EVALUATION STRATEGY TO DEVELOP EARLY EFFECTIVE COMMUNICATION IN APPLIED PROJECTS FOR MEDICAL STUDENTS. DESIGN AND RUBRIC DEVELOPMENT C.J. Calvo, M. Zarzoso, P. Medina, L. Such-Belenguer	6713
THE RESEARCH OF STYLISTIC PECULIARITIES OF A.S. BYATT'S AND M. DRABBLE'S NOVELS AT ENGLISH LITERATURE CLASSES A. Blagoveshchenskaya, I. Ainoutdinova	6719
PEER EVALUATION AS AN EDUCATIONAL STRATEGY IN MOOCS IN HEALTH AREA R. Soares Reis, P. Trindade Garcia, A.E. Figueiredo de Oliveira, J.R. Oliveira Pinho, E. Bernardes Monier	6725
BUILDING GRADUATE EMPLOYABILITY THROUGH PROFESSIONAL CERTIFICATIONS C. Maguire, L. Matthews-Dibbins	6730
CHARACTERISTICS AND BEHAVIOURS OF EXCELLENT TEACHING: PERCEPTIONS OF MILITARY EDUCATORS T. Soomere, L. Lepp, J. Groccia, E. Mansour	6736
THE EFFECT OF COMMUNITY SERVICE IN THE ENHANCEMENT OF SOCIAL ENTREPRENEURSHIP USING THE SERVICE LEARNING METHODOLOGY G. Vaca, A. Quinteros	6745
COMMUNICATIVE STRATEGIES OF EDUCATIONAL DISCOURSE PERFORMED IN TED TALKS	6752
V. Karnyushina, G. Khorokhorina, D. Slisovskiy	
THE ENVIRONMENT AS A FACILITATOR OF LEARNING. DEVELOPMENT OF FURNITURE FOR THE PARTICIPATORY CLASSROOM A. López-Vicente, R. Porcar, F. Giner, J. Giménez, I. Caravaca, M. Valero, R. Marzo	6759
THE IMPACT OF COMPUTER ASSISTED LANGUAGE LEARNING (CALL) ON FOREIGN LANGUAGE PROFICIENCY OF UNIVERSITY STUDENTS IN RUSSIA I. Ainoutdinova, A. Blagoveshchenskaya	6765

AN END-USER PERSPECTIVE ON THE CAMI AMBIENT AND ASSISTED LIVING PROJECT	6776
I.A. Awada, O. Cramariuc, I. Mocanu, C. Seceleanu, A. Kunnappilly, A.M. Florea	
ASSESSING THE VALIDITY OF MULTIPLE CHOICE QUESTIONS BASED ASSESSMENT IN MANAGEMENT INFORMATION SYSTEMS TRAINING R. Vas, F. Erb, A. Goz	6786
COMMUNICATIVE STRATEGIES OF MODERN RUSSIAN YOUTH DISCOURSE V. Karnyushina, E. Tikhonova, M. Abaidullaeva	6793
THE REALITY OF THE UNIVERSITY PUBLIC MANAGEMENT AND THE NEED FOR AN INTEGRAL MANAGEMENT MODEL X. Peralta, A. Bueno, P. Montero	6800
INTEGRATING STUDY OF LOCAL LORE, HISTORY AND ECONOMY INTO TEACHING INTERPRETING AT UNIVERSITY R. Mukhametzyanova, A. Gainutdinova	6808
UBIQUITOUS EDUCATIONAL TECHNOLOGY TO IMPROVE MATHEMATICS LEARNING ACHIEVEMENT RESULTS R. Sánchez, K. Mendieta, M. Lainez, J. Encalada, S. Cruz, M. Arboleda	6813
SPECIAL ASPECTS OF COMMUNICATION SKILLS IN YOUNG CHILDREN WITH DEFICIENT LANGUAGE ACQUISITION E.V. Sheremetyeva, N. Trofimova, I. Menendez Pidal	6819
DEVELOPING FUTURE VISION LANDSCAPE AND MODELS OF TECHNOLOGY ENHANCED LEARNING D. Woodgate, G.M. Isabwe	6824
APPLICATION OF TRIPLE HELIX MODEL TO ERADICATE EXTREME POVERTY THROUGH SOCIAL INNOVATION AND SUSTAINABLE DEVELOPMENT: A NEW CHALLENGE FOR ECUADORIAN UNIVERSITIES L. Moreira, M. Lopez	6836
AN INNOVATIVE GAMIFICATION APPROACH FOR TREATING ACROPHOBIA USING VIRTUAL REALITY AND GESTURE RECOGNITION O. Balan, R. Taerel, I. Mocanu, A. Moldoveanu, F. Moldoveanu, O. Cramariuc	6843
EDUCATION AS ONE OF THE INDICATORS OF QUALITY OF LIFE V. Soltes, J. Kubas, Z. Stofkova	6849
SIMULATION AS AN EXPERIENCE TO PREPARE PHYSIOTHERAPY STUDENTS FOR CLINICAL PRACTICE – PRELIMINARY PERSPECTIVES AT FACULTY OF HEALTH SCIENCES AT MANRESA G. Gonzalez-Caminal, A. Camps Gómez, G. Lorza, J. Jubany	6856
SCHOOL INCLUSION OF CHILDREN WITH DISABILITIES IN GREECE: VIEWS OF SUPPORT CO-TEACHERS VIA DATA MINING TECHNIQUES M. Georgiadi, S. Plexousakis, E. Gkintoni, C. Halkiopoulos, D. Katsanta	6864
DIGITAL LITERACY AND INCLUSION: THE IMPACT OF THEORY AND PRACTICE IN TEACHERS' EDUCATION G. Marci-Boehncke, T. Vogel	6872
REUSE DESIGN STRATEGIES IN SUBURBAN AREAS. A METHODOLOGICAL APPROACH F. Maroldi, D. Castoro, A.V. Stella, C. Fignon, A. Formizzi	6880
DEVIANCY-PRONE BEHAVIOUR OF STUDENTS AND WHAT TEACHERS CAN DO ABOUT IT O.V. Babenko, K. Prosyukova, A. Fominykh, O. Morozova	6891
THE SANDWICH MODEL IN HIGHER EDUCATION: TEACHING EPIGENETICS TO BIOMEDICAL UNDERGRADUATES G. Katsioudi, E. Kostareli	6896
EVALUATION OF THE SELF-EFFICIENCY OF PRIMARY AND SECONDARY EDUCATION TEACHERS VIA MACHINE LEARNING METHODS E. Gkintoni, M. Georgiadi, S. Plexousakis, C. Halkiopoulos, D. Katsanta	6901
INNOVATION IN VOCATIONAL TRAINING C. Morón, M.P. Ramos, A. Payán, D. Ferrández	6910
DIGITAL MARKETING STRATEGIES APPLIED FOR IMPROVING THE ON-LINE IMAGE OF A TECHNICAL UNIVERSITY D. Dumitriu, C. Alexe, M. Popescu	6918
A WEBRADIO IN AN INTERNATIONAL HIGH SCHOOL: COLLABORATION AND DIFFERENTIATION IN MEDIA AND INFORMATION LITERACY PROJECT WITH IPAD A. Severin	6923

DEVELOPMENT OF COMMUNICATIVE COMPETENCE AT THE LESSONS OF RUSSIAN AS A FOREIGN LANGUAGE IN PRE-SCHOOL CHILDREN V. Yapparova, A. Miftakhova	6927
IDENTITY WITHIN CULTURAL HETERONOMY: THE INFLUENCE OF CHILDREN'S LITERATURE FOR IDENTITY MODELING OF EAST- AND WEST-GERMAN READERS G. Marci-Boehncke, M. Rath	6933
CREATIVITY AND HAPPINESS IN UNIVERSITY STUDENTS P. Caballero-García, M.J. Carretero, S. Sánchez, N. Ruano	6943
THE EFFECT OF CHARACTERISTICS OF A TEACHER ON ACADEMIC PERFORMANCE: EVIDENCE IN SPANISH SECONDARY SCHOOLS I. Campos-García, J.I. Galán, J.A. Zúñiga-Vicente	6951
PRACTICAL EDUCATION OF STUDENTS IN ASPECTS OF THE ECONOMY AND THE LABOR MARKET M. Michalcewicz-Kaniowska, M. Zajdel	6961
AN ECO-SOCIAL MODEL IN THE DEVELOPMENT OF CURRICULUM AND COURSE CONTENTS IN SOCIAL WORK H. Belchior-Rocha, J. Ferreira	6966
STUDENTS' INFORMATION SEEKING BEHAVIOR IN ONLINE ENVIRONMENT USING WEB 2.0 TOOLS A. Čižmešija	6973
APPLICATION OF THE METHODOLOGY OF PBL IN 4TH GRADE OF COMPULSORY SECONDARY EDUCATION: APPROACH TO HIGH SCHOOL D. Ferrández, C. Morón, P. Sáiz, A. Gisbert	6984
INNOVATION "ACROSS" IN AN INNOVATION AND ENTREPRENEURIAL SCIENCE J. Bragelien, K. Voldsund	6991
SHAPING UP A CULTURE OF QUALITY IN HIGHER EDUCATION IN THE COMMUNITY OF BECOMING ACADEMIC TEACHERS – THE CASE OF 'INSPIRING EACH OTHER - UNIVERSITY DIDACTICS PLATFORM' E. Lakoma	6999
EXPERIENCE IN INNOVATION - ACTION PROJECT E. Kovatcheva, M. Koleva, M. Simova	7004
POLITICAL CRISIS AS A COMMON "TREND" IN DEVELOPMENT OF THE NATIONAL SYSTEMS OF EDUCATION IN ARAB COUNTRIES (BY THE EXAMPLE OF SYRIA, LIBYA AND IRAQ) K. Prosyukova, O.V. Babenko, O. Morozova, A. Fominykh	7012
TEAM BUILDING DYNAMICS: AN APPLICATION TO MBA STUDENTS B. Andrés, R. Sanchis, R. Poler	7017
TRANSFORMING INDUSTRY BEST PRACTICES INTO ACTIVE LEARNING AND INTRINSIC MOTIVATION M. Hashimoto	7026
TEACHING ALGORITHMIC THINKING TO UNDERGRADUATE STUDENTS O. Herden	7036
RE-BOOT LEARNING: PROVIDING AN E-TIVITY SCAFFOLD FOR ENGAGEMENT FOR EARLY RESEARCH ACTIVITY THROUGH BLOG TECHNOLOGY EMBEDDED WITHIN TEACHING AND LEARNING M. Dempsey, A. Brennan, M. O'Dea	7046
ARTIST BOOK: EXPERIENCES IN EDUCATION THROUGH THE WORK OF CARMEN CALVO M. Avariento-Adsuara, P. Palau-Pellicer	7053
FROM EMPOWERMENT TO INNOVATION: INTER- AND TRANSDISCIPLINARY RESEARCH METHODS IN LIGHTWEIGHT ENGINEERING I. Horwath, S. Dohmeier-Fischer, N. Weiß-Borkowski, T. Troester	7060
PILOTING GLOBAL CITIZENSHIP THROUGH INTERNATIONAL SERVICE LEARNING J. Harrison, M. Lawrence	7069
A WEB-BASED VIRTUAL CONTROL LABORATORY OF THE INVERTED PENDULUM E. Pérez, A. Rodriguez, I. Tejado	7080
SOME EXPERIENCES ON DEVELOPING AND EVALUATING TRANSVERSAL COMPETENCES IN HIGHER EDUCATION L. Seguí, M. Galiana	7090

TRANSVERSE INTERDISCIPLINARY APPROACH AS AN ENHANCING KNOWLEDGE TOOL. CASE STUDY RELATED TO ARCHITECTURAL RESTORATION AND MUSICAL COMPLETION J. Baró Zarzo, B. Aguilera Moreno	7099
MIND THE GAP: SECOND LANGUAGE ACQUISITION COMES OF AGE IN A DIGITAL WORLD Z.M. Charlesworth, C. Baudet	7105
ENGLISH AS A MEDIUM OF INSTRUCTION IN TECHNICAL COURSES: CHALLENGE AND OPPORTUNITY L. Seguí, M. Galiana	7110
NON-MEDICAL PRESCRIBING IN SPAIN. OPINIONS OF NURSING AND PHYSIOTHERAPY STUDENTS A. Zarzeka, J. Gotlib, B. Paz Lourido	7117
PRINCIPLES OF WORKING WITH AUDIO-VISUAL MATERIALS IN COURSE OF RUSSIAN AS A FOREIGN LANGUAGE AT THE BEGINNING STAGE OF TEACHING A. Miftakhova, V. Yapparova	7122
THE SOCIAL NETWORK AS A DIFFUSION MEDIA AND SOURCE OF INFORMATION. THE USERS' FEEDBACK IN THE RESEARCH PROCESS J. Baró Zarzo, G. López Patiño, E. Sancho Calzada	7129
THE IMPORTANCE OF TRANSVERSAL SKILLS IN HIGHER EDUCATION CURRICULA FOR TODAY'S LABOR MARKET F. Almeida, E. Simões, H. Belchior-Rocha, I. Casquilho-Martins	7136
EXPERIENTIAL LEARNING AS A TOOL FOR IMPROVING HAPPINESS IN THE CLASSROOM: AN ACTION RESEARCH APPROACH L.M. Cerdá Suárez	7137
THE SECURITY OF USING OF SOCIAL MEDIA BY UNIVERSITY STUDENTS IN SLOVAKIA M. Drahošová	7144
INNOVATION AND COLLABORATION ACROSS ACADEMIA K. Voldsund, J. Bragelien	7153
CHALLENGES IN THE OPERATIONALIZATION OF HOPE M. Killen, A. Arputhan	7160
TOWARDS GOVERNANCE FOR BLENDED LEARNING IN PRE-SERVICE TRAINING B. Pynoo, J. Tondeur, A. Thys, J. Janssens	7166
GOOD PRACTICES IN TEACHING ENGLISH FOR SCIENTIFIC PURPOSES TO BIOLOGY STUDENTS IN HIGHER EDUCATION L.V. Andreou, V. Aletra, G. Athanasopoulou, C. Psarropoulou	7174
DIAGNOSIS OF OCEANOGRAPHIC CHARACTERISTICS IN LA ENTRADA G. Andrade	7184
LIFE-LONG PEDAGOGICAL AGENTS WITHIN A UBIQUITOUS EDUCATIONAL SYSTEM M. Montebello	7191
IMPACT ANALYSIS OF MUSIC ON HUMAN CONCENTRATION USING ELECTROENCEPHALOGRAPHY M. Plechawska-Wojcik, D. Beń	7197
WHAT ARE GOOD EXAMPLES OF EDUCATIONAL SOFTWARE? B. Sjödén	7206
ONLINE COLLABORATIVE SOCIAL LEARNING FOR FOREIGN LANGUAGES A. Giannakoulopoulos, L. Limniati	7211
USAGE ANALYSIS OF VR HEADSET IN SIMULATED STRESS SITUATIONS M. Plechawska-Wojcik, A. Semeniuk	7217
RETHINKING RESEARCH METHODS IN A DIGITALLY SAVVY WORLD C. Weiss	7225
PERUVIAN WOMEN IN ENGINEERING: A SOCIAL COGNITIVE CAREER THEORY APPROACH R. Ramos-Sandoval, J. Ramos-Diaz	7231
STUDENT AND LECTURER PERCEPTIONS ON THE USE OF LMSS IN A STUDIO-BASED TEACHING AND LEARNING CONTEXT AT A UNIVERSITY OF TECHNOLOGY IN SOUTH AFRICA B.A. Mhungu, N.B.W. Mlitwa (Mlita)	7242

TECHNOLOGIES TO ENHANCE TEACHING AND LEARNING IN STUDIO-BASED SOUTH AFRICAN HIGHER EDUCATION SPACES M. Kimani, N.B.W. Mlitwa (Mlita), B.A. Mhungu	7243
ENJOY YOURSELF WHILE TRAINING, OR HOW TRAINTOOL TAKES DOWN STUDENTS' BARRIERS THROUGH VIDEO ROLE PLAYING M. Encheva, P. Mukanova, G. Yancheva	7244
TOWARDS A DIVERSITY-MANAGEMENT INCLUSIVE CURRICULA FOR EXITING UNIVERSITY GRADUATES TO MASTER THE MULTI-CULTURAL COMPLEXITIES OF A SOUTH AFRICAN WORK-PLACE N.B.W. Mlitwa (Mlita)	7251
THE INFLUENCE OF THE USE THE GAMIFICATION TO IMPROVE ACADEMIC PERFORMANCE IN HIGH SCHOOL STUDENTS B. Villegas Aguilera, E. Alvarado Martínez, M. Meza Mejía	7258
MANAGERIAL COMPETENCIES OF UNIVERSITY STUDENTS Z. Stofkova, J. Binda, J. Stofkova	7267
MATHEMATICAL COMMUNICATION: CONCEPTIONS AND PRACTICES OF FUTURE TEACHERS H. Campos, C. Costa	7273
COST ESTIMATING METHODS FOR LEARNING MANAGEMENT SYSTEMS M.W. Mastalerz, Ł. Wiechetek	7282
MODELLING BASED TEACHING WITH SPREADSHEET. A STUDY IN A HEALTH CARE COURSE	7289
N. Machado, M. Baptista UX DESIGN STUDIO E. Kovatcheva, E. Shoikova	7296
ARCHITECTURE, SPACE AND COLOR: THE DESIGN OF SCHOOLS IN MADRID IN THE 21ST CENTURY M.A. Flórez de la Colina	7301
CASE-BASED LEARNING IN MATERIALS ENGINEERING: THE OUIJA BOARD OF THE DEVIL C.P. Suarez Rodriguez, S. Vidales, E. Arribas, I. Escobar, J. Gonzalez-Rubio, A. Belendez, R. Ramirez-	7302
Vazquez THE USE OF CONCEPTUAL MAPS IN SOLVING PHYSICS PROBLEMS C.P. Suarez Rodriguez, S. Vidales, E. Arribas, I. Escobar, R. Ramirez-Vazquez, J. Gonzalez-Rubio, A. Belendez	7308
STUDENT VIEWS ON LANGUAGE EXCHANGE CLASSES M. Kuromatsu	7312
DESIGNING AND IMPLEMENTING BEST DISABILITY EMPLOYMENT PRACTICES WITH AN UNIVERSITY AND INDUSTRY COLLABORATION EFFORT B. Barrett	7313
INTERCULTURAL COMMUNICATIVE SKILLS IN THE TRAINING OF INDUSTRIAL ENGINEERS: A CASE-STUDY ON STUDENTS' PERCEPTIONS M. Gaspar, M. Régio, M.M. Afonso de Passos Morgado	7319
PHYSIOTHERAPY PROGRAMS ADAPTED TO THE CARDIOVASCULAR FIELD: STUDENTS' SATISFACTION REGARDING A SERVICE-LEARNING PROGRAM E. Marqués-Sulé, M. Inglés de la Torre, J. Casaña, G. Espí, Y. Ezzatvar, S. Pérez-Alenda, J. Sánchez- Torrijos, V. Girbés, J. Blesa-Jarque	7327
ONLINE LEARNING ENVIRONMENT TOOLS IN HIGHER EDUCATION: CONTRIBUTIONS TO THEIR INTEGRATION IN ENGINEERING COURSES M. Gaspar, A. Pikkarainen, L. Celorrio-Barragué, D. Glavan	7331
THE USE OF SERVICE-LEARNING AS A TEACHING TOOL FOR PHYSICAL THERAPY UNDERGRADUATE STUDENTS: DEVELOPMENT OF PHYSICAL THERAPY PROGRAMS E. Marqués-Sulé, J. Casaña, G. Espí, M. Inglés de la Torre, Y. Ezzatvar, S. Pérez-Alenda, J. Sánchez-Torrijos, V. Girbés, J. Blesa-Jarque	7339
UPDATING THE LECTURE FORMAT FOR 21ST CENTURY LEARNERS C. Weiss	7343
A HOLISTIC APPROACH TO REVISING UNDERGRADUATE PROGRAMS Y. Amani, P. Parikh	7350
STRATEGIES FOR ADAPTING ONLINE EDUCATION TO SECOND LANGUAGE TEACHING & LEARNING M. Faring I. Solmo	7356

EDUCATION TO HELP AUTISTIC PRESCHOOL CHILDREN INTEGRATE INTO COMMUNITY IN THE NORTHERN MOUNTAINOUS AREAS OF VIETNAM - REALITY AND SOLUTIONS V.H. Nguyen, C.P. Tran, T.M.H. Tran, N.T.T. Dinh	7365
USING MOBILE HEALTH TECHNOLOGIES TO SUPPORT SAFER CLIENT CARE IN THE COMMUNITY W. Sun	7372
COMPUTATIONAL METHODS: THEIR ADVANTAGES ON TEACHING COMPLEX FLUID FLOW SYSTEMS A.M. Tinnirello, E.A. Gago, M.F. Romero	7378
UNDERSTANDING BEHAVIORAL PROBLEMS AND SUPPORTING BEHAVIORAL MANAGEMENT OF CHILDREN WITH DEVELOPMENTAL DISORDERS N.T.T. Dinh, V.H. Nguyen	7387
ALGORITHMIC MATHEMATICS IN LINEAR ALGEBRA APPLICATIONS A.M. Tinnirello, E.A. Gago, P.A. Szekieta	7395
APPLICATION TO EXAMINE SQL INJECTION VULNERABILITIES AS A TOOL IN COMPUTER SCIENCE EDUCATION G. Koziel, B. Krawczynski, J. Marucha, P. Wojcicki, S. Skulimowski	7404
EVALUATION OF THE ACQUISITION OF COMPETENCES THROUGH AN EDUCATIONAL INNOVATION TOOL BASED ON FORMAL DEBATE S.D. Paredes, L. Rancan, C. García, J.C. García, I. Garutti, C. Simón, J.A. Zueco, J.A. Fernández-Tresguerres, E. Vara	7410
PERCEPTIONS OF MEDICAL STUDENTS TOWARDS USING FORMAL DEBATE AS A STRATEGY TO IMPROVE CURRICULAR AND CROSS-CURRICULAR COMPETENCES S.D. Paredes, L. Rancan, C. García, J.C. García, I. Garutti, C. Simón, J.A. Zueco, J.A. Fernández-Tresguerres, E. Vara	7415
A SURVEY ON THE TOOLS USED IN SOFTWARE DEVELOPMENT AND THEIR MAPPING TO THE CURRICULUM OF COMPUTING DEGREES A. Gonzalez-Torres	7420
INCLUSIVE WEBSITES CAPABLE OF AUTOMATICALLY DETECTING PEOPLE WITH BLINDNESS J.F. Peraza Garzón, M.C. Olivarría González, J.A. Ortega Carrillo, Y. Quiñonez Carrillo, C. Lizarraga Bernal, R. Estrada Lizarraga	7430
APPLICATION OF ARDUINO IN PROGRAMMING LEARN P. Wojcicki, S. Skulimowski, G. Koziel, T. Szymczyk	7436
THE INVESTIGATION OF PUPILS CAPACITY BUILDING IN RELATIONS WITH TEACHERS T.A. Chu, T.L. Nguyen, T.C.L. Tran, C.P. Tran	7442
INTEGRATING TEXT MINING AND CITATION ANALYSIS IN THE DECISION-MAKING PROCESS FOR LIBRARY COLLECTIONS L. Illescas, D. Sucozhanay, L. Siguenza-Guzman	7450
SOFTWARE APPLICATIONS FOR TEACHING DIGITAL DESIGN 1.B. Pavaloiu, I. Petrescu, M. Raducanu, G. Dragoi	7457
AN APPROACH FOR DESIGNING EFFECTIVE INSTRUCTION OF SECURITY EDUCATION BY ANALYZING DUMPED COMMAND LOG K. Kaneko	7464
PERUVIAN TEACHERS' BELIEFS AND STRATEGIES IN ELEMENTARY SCHOOLS: AN EXPLORATORY STUDY	7470
J. Ramos-Diaz, C. Guevara-Cordero, R. Coplan, I. Iraola-Real	
DEVELOPMENT OF INTERACTIVE LEARNING TOOLS IN MOODLE A. Afanasyev, T. Afanasyeva, N. Voit, T. Egorova	7482
THE ROLE OF THE ENGLISH LANGUAGE TRANSFER IN ACQUISITION OF ITALIAN AS A SECOND LANGUAGE T. Kalegina, A. Seredina, F. Yarullina	7487
SATISFACTION WITH EDUCATIONAL SERVICES IN PUBLIC SECTOR, INVESTIGATED IN VIETNAM NORTH TO SOUTH REGIONS C.P. Tran, H.H. Tran, X.C. Truong, T.A. Chu, T.L. Nguyen	7494
LEADING CHANGE: A MULTIPLE-CASE STUDY OF LEADERSHIP PRACTICES IN LATIN AMERICAN UNIVERSITIES D. Sucozhanay, R. Arcentales, L. Siguenza-Guzman	7503

VALUE-ORIENTED FUNCTION OF ADVERTISING IN FOREIGN LANGUAGE TEACHING AND LEARNING T. Kalegina, I. Balabanova, N. Titova	7510
DESIGNING A PHYSICAL THERAPIST'S RESUME Y. Ezzatvar, J. Casaña, J. Benitez, S. Pérez-Alenda, E. Marqués-Sulé, M. Zarzoso, R. Aiguade-Aiguade	7517
KAHOOT! AS A LEARNING TOOL IN CLASSROOM Y. Ezzatvar, J. Casaña, J. Benitez, E. Marqués-Sulé, S. Pérez-Alenda, R. Aiguade-Aiguade, M. Zarzoso	7520
INFORMATION AND COMMUNICATION TOOLS FOR TECHNICAL PROJECTS MANAGEMENT M.I. Jiménez, D. Rodríguez	7523
TECHNICAL PROJECTS TEACHING-LEARNING PARADIGM FOR INTERNATIONAL ENGINEERING WORKING PROFILES M.I. Jiménez	7528
THE OUTDOOR CLASSROOM PROGRAM: FIELDTRIPS EMPOWERED BY TECHNOLOGY C. Turman	7534
AN OVERVIEW ON VIETNAM EDUCATION STRATEGY 2011-2017 C.P. Tran, T.A.H. Trinh, X.C. Truong, T.A. Chu, T.L. Nguyen	7538
VIETNAM EDUCATION STRATEGY, DIFFICULTIES AND SOLUTIONS T.A.H. Trinh, X.C. Truong, C.P. Tran, T.A. Chu, T.L. Nguyen	7544
UDL IN THE DIGITAL AGE DIVIDE C. Turman, A. Adkins	7550
POSSIBLE DIGITAL DIVIDE THREAT IN ACCESS TO PUBLIC ADMINISTRATION SERVICES AMONG ELDERLY AS A FACTOR UNDERLYING INTERNET SKILLS POPULARIZATION NEED J. Wachowicz, A. Januszewski	7554
MS EXCEL IN MANAGEMENT ACCOUNTANTS EDUCATION. EXAMPLES OF THE GOAL SEEKING TOOL APPLICATION A. Januszewski	7562
EDUCATION FOR INNOVATION AND WORKPLACE SKILLS FOR EMPLOYABILITY S. El-Kafafi	7572
INTERNSHIPS IN HIGHER EDUCATION: TOOLS FOR SUCCESS S. El-Kafafi	7581
THE MENTORING PROGRAM IN THE UNIVERSITAT JAUME I PUBLIC MANAGEMENT AND ADMINISTRATION DEGREE: A HISTORICAL AND CRITICAL REVIEW O. Coltell, M. Oller, E. Climent	7587
GOING GLOBAL – VIEWS FROM THE OPEN EDUCATIONAL LANDSCAPE R. Windle, H. Wharrad, M. Taylor	7594
DEVELOPMENT OF A VIRTUAL LIBRARY OF CLINICAL SAMPLES FOR MEDICAL PARASITOLOGY DIAGNOSIS	7599
A. Peña-Fernández, S. Fenoy, R. Halliwell, F. Izquierdo, A. Magnet, C. Hurtado, F. Bornay, L. Acosta, M.D. Ollero, M. Armstrong, M.D. Evans, C. Del Águila	
ANALYSIS OF THE INTRODUCTION OF A REFLECTIVE PEDAGOGIC APPROACH TO TEACH LARGE GROUPS OF STUDENTS ENROLLED IN HUMAN HEALTH DEGREES A. Peña-Fernández, M.A. Peña, M. Randles, C. Young, M.D. Evans	7605
PLANNING PHASE OF RESEARCH PROJECTS A. Klaus-Rosińska, J. Staciwa	7610
GREATER DEGREE OF EQUIVALENCE OF PHRASEOLOGISMS FROM MOTHER TONGUE AS A FERTILE GROUND FOR STUDYING THEM IN A FOREIGN LANGUAGE D. Kuzmanovska, S. Kirova, N. Daskalovska, V. Dimova	7620
FOURTH INDUSTRIAL REVOLUTION: TRENDS AND PROSPECTS J.G. de la Vega Meneses, R.D. García Hernández	7624
SMALL BUSINESS AND ENTREPRENEURSHIP: TRENDS AND CHALLENGES J.G. de la Vega Meneses	7631
CRITICAL EXAMINATION OF PUBLISHED LANGUAGE TESTS, CONSIDERING AREAS OF RELIABILITY, VALIDITY AND WASHBACK, AND ADDRESSING THE NEEDS OF LEARNERS, DESIGNING N. Fardows, S. Nayer, R. Mariam, Z. Nayer	7637
VIRTUAL LABORATORY WORK WITH MODIFIED GUIDING STRUCTURES G. Karlsson	7642

TEACHER TRAINING AND NEW PEDAGOGIC APPROACHES IN ENGINEERING EDUCATION METHODOLOGY E. Smirnova, N. Vatolkina	7648
STUDY FOR CONCEPTUAL UNDERSTANDING IN AN ONLINE COSMOLOGY COURSE J. Svobodová, J. Novotný, V. Navratil	7656
DESIGN THINKING AS AN APPROACH IN TEACHING TRANSLATION R. Kasperavičienė, D. Maumevičienė, J. Motiejūnienė	7661
RESEARCH IN QUALITY OF HIGHER EDUCATION: EVOLVING OR DEVOLVING? K. Alzafari, S. Perner	7668
THE EMERGING TREND OF BLOCKCHAIN FOR VALIDATING DEGREE APPRENTICESHIP CERTIFICATION IN CYBERSECURITY EDUCATION I. Bandara, F. Ioras, M.P. Arraiza	7677
TOOLS TO EVALUATE B-LEARNING COURSES V. Lima, P. Oliveira, C. Silva, L. Oliveira, P. Peres	7684
EXPERIMENTING WITH PATENT ENHANCED EDUCATION TO ADDRESS THE MISSING LINK BETWEEN INDUSTRY AND UNIVERSITY T. Ozkul	7692
A PROPOSAL OF AN OBJECTIVE STRUCTURED CLINICAL EXAMINATION (OSCE) IN ETHICAL COMPETENCES WITH POSTGRADUATE RESIDENTS F. Fuertes Guiró	7699
THE ROLE OF GENDER IN CAREER CHOICE AND INTENT TO WORK WITH IMMIGRANT AND UNDERSERVED COMMUNITIES: IMPLICATIONS FOR EVIDENCE-BASED MEDICAL SCHOOL CURRICULUM ENHANCEMENT R. Jacobs, M. Kane	7703
THE STUDENT VOICE: THE STUDENTS OWN VIEWS ON SMARTPHONE USAGE AND IMPACT ON THEIR ACADEMIC PERFORMANCE A. Brennan, M. Dempsey	7709
IMPROVING LEARNING THROUGH G SUITE FOR EDUCATION. USE OF 'GOOGLE UNIVERSE' APPS IN THE CLASSROOM E. Romero, J.S. Artal-Sevil, J.M. Mir, J.M. Artacho	7719
QR-CODES AS A LEARNING TOOL IN ADVANCED DEGREES J.S. Artal-Sevil, E. Romero, J.M. Artacho	7729
EMPOWERING LEARNERS WITH SELF-SELECTING LEARNING TOOLS M. Dempsey, A. Brennan	7740
CHANGING BEHAVIOR THROUGH A FRESHMAN SEMINAR COURSE EXPERIENCE D. Psihountas	7746
SCHOOL ANXIETY AS A PREDICTOR OF ACADEMIC SUCCESS M.C. Martínez-Monteagudo, A. Fernández-Sogorb	7752
THE USE OF MOBILE TECHNOLOGIES TO FACILITATE SOCIAL LEARNING IN PRIMARY SCIENCE K. Blackmore	7756
DEFINING THE "DATA SCIENTIST" PROFESSIONAL PROFILE IN A TRAINING ORGANIZATION: THE CONTRIBUTION OF ARTIFICIAL INTELLIGENCE G.B. Ronsivalle, A. Boldi	7768
DBLP DATA ANALYSIS AND VISUALIZATION FOR LOCATIONS HOSTING INTERNATIONAL CONFERENCES IN THEORETICAL COMPUTER SCIENCE: TRENDS & IMPACT ON CULTURE AND ECONOMY C. Kaklamanis, G. Mathiou, E. Papaioannou	7777
DESIGNING OF A SCALE TO EXPLORE THE CHALLENGES FACED BY INTERNATIONAL STUDENTS IN INDIAN UNIVERSITIES A. Srivastava, A. Beri	7787
"WHAT DO WE HAVE IN COMMON ANYWAY?" REFLECTIONS OF PROCESSES OF INTERNATIONAL PROJECT COOPERATION IN EUROPEAN NURSING EDUCATION E. Navarro-Illana, K. Whittingham, M. Narayanasamy, K. Hjorthaug Urstad	7796
LEADERSHIP, LEARNING & 1:1! S. Pesavento	7802
INTEGRATION OF THE ENTREPRENEURSHIP COMPONENT INTO UNDERGRADUATE CURRICULA AT THE UNIVERSITY OF ZULULAND N.B.W. Mlitrog (Mlita). P. Masamba	7809

DESIGN AND IMPLEMENTATION OF A FORMATIVE EVALUATION MECHANISM IN PROJECT-BASED COOPERATIVE LEARNING G. Zhang, C. Yang	7818
FROM MEANINGFUL LEARNING TO MEANING THROUGH LEARNING S. Azulay	7826
WHEN LEARNING HAPPENS THROUGH A CYCLE OF INVENTION, DESIGN AND DIGITAL FABRICATION AS STUDENTS BRING THEIR IDEAS TO LIFE C. Lorenzo, E. Lorenzo	7836
DEVELOPING AND VALIDATING A CURRICULUM FRAMEWORK FOR PREPARING QUALITY TEACHERS FOR THE FUTURE R.N.S. Raja Harun, J.L. Fook Lee, A. Omar, M.H. Hanif, L. M. Pillay Arumugam	7845
HEY SIRI, WHAT CAN I TELL ABOUT SANCHO PANZA IN MY PRESENTATION? INVESTIGATING SIRI AS A VIRTUAL ASSISTANT IN A LEARNING CONTEXT? B. Arend	7854
IS THEORY OF SCIENCE SIGNIFICANT FOR EVERY UNIVERSITY STUDENT? J. Novotný, J. Svobodová	7864
MAXIMIZING LEARNING OUTCOMES – TECHNOLOGY ENHANCED TECHNIQUES TO CAPTIVATE, ENGAGE & BOOST RETENTION B. Leikach, R. Trevino	7868
HOW TO DESIGN TRAINING WORKSHOPS FOR PARTICIPANTS WITH MEETING ATTENTION DEFICIT DISORDER (MADHD) B. Leikach, R. Trevino	7869
FREIREAN PEDAGOGY FOR EMANCIPATION OF RURAL ADULTS OF PAKISTAN THROUGH TECHNOLOGY N. Mumtaz, M.Z. Miyan, M. Hussnain	7870
DIGITAL DIDACTICS: AN INTRODUCTORY TRAINING COURSE FOR TEACHERS F. Perri	7875
ABOUT TEACHING SUBJUNCTIVE MOOD IN SPANISH AS A FOREIGN LANGUAGE FOR RUSSIAN-SPEAKING AUDIENCE G. Khimich, E. Terentieva	7884
UPCOMING IMPORTANT CHALLENGES OF THE MEXICAN UNIVERSIDAD AUTÓNOMA METROPOLITANA N. Dominguez-Vergara, D.N. Dominguez-Perez	7890
TEACH IT TO DISCOVER IT: PRE-SERVICE TEACHERS TEACH THROUGH CONDUCTING A SCIENTIFIC RESEARCH B. Mohamed	7901
EDUCATIONAL SOFTWARE FOR HANDS ON TRAINING IN COMPUTATIONAL LINGUISTICS S. Sheremetyeva	7915
CLIL IMPLEMENTATION AND ACADEMIC LANGUAGE PROFICIENCY IN SOUTH URAL STATE UNIVERSITY L. Ovinova, V. Kolmakova	7925
INQUIRY-BASED MATHEMATICS EDUCATION IN THE STYLE OF EXPERIMENTAL MATHEMATICS M. Shabanova, T. Sergeeva, R. Nikolaev, M. Pavlova	7933
DESIGN OF STUDY SUPPORT TO GET SKILLS IN PLANT SIMULATION TECNOMATIX ENVIRONMENT S. Hrehova, A. Vagaska	7942
THE THEORY AND TECHNIQUE OF INTERACTIVE TRAINING IN MATHEMATICS AT THE HIGHER SCHOOL M. Artyukhina, E. Sanina, I. Frolov, O. Zhiganova	7946
STUDENTS' SELF-PERCEIVED ANATOMY SKILLS REGARDING AN ACTIVE LEARNING APPROACH J. Casaña, R. Aiguade-Aiguade, L. Moure, A. Fuente, J. Benitez, Y. Ezzatvar	7951
ANATOMY LEARNING: COMPARISON BETWEEN TRADITIONAL AND ACTIVE LEARNING IN THE PHYSICAL THERAPY DEGREE PROGRAM R. Aiguade-Aiguade, Y. Ezzatvar, J. Casaña, L. Moure, A. Fuente, J. Benitez	7955
FACTORS THAT INHIBIT OR PROMOTE THE INTEGRATION OF ICT IN EDUCATION P. Ouadros-Flores, A. Flores, A. Ramos	7959

THE MENTORING PROGRAM IN THE UNIVERSITAT JAUME I PUBLIC MANAGEMENT AND ADMINISTRATION DEGREE: INITIATIVES TO INCREASE MOTIVATION AND PARTICIPATION O. Coltell, M. Oller, E. Climent	7968
TEACHING MIXED NATIONALITY GROUPS (ON THE EXAMPLE OF STUDENTS FROM THE NORTHERN CAUCASUS REGION) S. Blinova, T. Dugina, A. Zabolotskikh	7977
DIDACTICAL STRATEGIES EMPLOYED BY TEACHERS WHEN TEACHING PROGRAMMING IN K-9 EDUCATION J. Nouri, E. Norén, K. Skog	7983
LEARNING PROGRAMMING BY PLAYING AND CODING GAMES IN K-9 J. Nouri, E. Norén, K. Skog	7990
HOW TO ACHIEVE A FAIR ASSESSMENT IN A GROUP PROJECT M.A. Cifredo-Chacón, F. Pérez-Peña, A. Morgado-Esteve	7996
MEANINGFUL EXTRACURRICULAR STUDENTS' ACTIVITIES NOT ONLY FOR BEGINNER TEACHERS - SURVEY ANALYSIS OF COHERENCY OF TEACHERS' PRESENTNESS DURING THE STUDENTS' FREE TIME Z. Fodor	8006
THE MOTIVATIONAL ORIENTATION OF UNIVERSITY STUDENTS IN A DEVELOPING COUNTRY AND ITS RELATIONSHIP TO LECTURE ATTENDANCE AND STUDENT PERFORMANCE A. Padmanabhanunni	8013
GIRLS INTO GLOBAL STEM R. Kirtley	8014
STUDY PROTOCOL FOR A SCOPING REVIEW OF COLLABORATIVE LEARNING IN ONLINE ENVIRONMENTS A. Makri, D. Vlachopoulos	8015
SCIENCEGIRLS: ENGAGING GIRLS IN SCIENCE AND TECHNOLOGY M.D. Grau, I. Torra, M. Sabata, M. Jódar	8021
DESIGNING AND IMPLEMENTING A NEW JOINT COURSE BASED ON RESEARCH, SERVICE ROBOTS AND CONCEPT DEVELOPMENT P. Lehto, J. Porokuokka	8030
TIKONDWE TEACHERS PROJECT IN DOMASI, MALAWI: PARTNERING TO BUILD INSTITUTIONAL AND TEACHER CAPACITY, AND FOSTER LEADERSHIP FOR SUSTAINABLE CHANGE E.A. Barber, A. Potts, J. Snyder, J. Zinner, A. Ussi, L. Kapenuka, C. Ziyaya, T. Kapenuka, R. Stovala, J.	8037
Pwetekwele, J. Stephens, E. Parker, C. Kenney, T. McCoy, E. Helbling, M. Daria, M.K. Corbisiero THE AUDIOVISUAL PRODUCTION AS A DIDACTIC RESOURCE	8048
S. Sánchez Castillo, B. Pozo	0010
THE EDUCATIONAL DISTRICT - AN EXPERIMENTATION OF JOYFUL AND DIFFUSED EDUCATION IN THE LOWER SECONDARY SCHOOL M. Barioglio, P. Mottana, F. Martino, E. Pedrazzini	8052
SYMBOLIC REPRESENTATIONS OF EDUCATION AS A MAP FOR THE ANALYSIS OF THE TRAINING NEED IN THE HEALTHCARE FIELD: THE EXPERIENCE OF LODI AND CREMA HOSPITALS (ITALY) M. Barioglio, S. Bettinelli, G. Raimondi, L. Raimondi	8057
TECHNOLOGY-ENHANCED STUDIES OF ENGLISH GRAMMAR AND PRONUNCIATION AT TERTIARY LEVEL Y. Kuzmina, Z. Vincela	8063
GENDER AWARENESS AT THE UNIVERSITY: IS THERE A GENDER GAP? M.T. Bartual-Figueras, M. Carbonell-Esteller, A. Carreras-Marín, J. Colome-Ferrer, J. Turmo-Garuz	8072
TEACHING UNDERGRADUATE STUDENTS ENTREPRENEURSHIP SKILLS: A BOOT CAMP FOR HIGH IMPACT TECHNOLOGICAL BUSINESS PROJECTS A. Alemán-Juárez, X. Capetillo-García-Williams, C. García-Higuera	8078
FEATURES OF PERSONAL DEVELOPMENT OF ADOLESCENTS: A PSYCHO- PHYSIOLOGICAL ASPECT L. Fedina, E. Soloveva, A. Fayzullina, M. Muravyeva	8085
THE RELATIONSHIP BETWEEN CHILDREN'S SYMBOLIC PLAY AND EMERGENT LITERACY: A CORRELATIONAL STUDY K. Marinova	8093

UNIVERSITY CULTURAL CENTER - A SPACE FOR DEVELOPING EXTRACURRICULAR ACTIVITIES FOR STUDENTS L.G. Popescu	8100
CREATING READING AND WRITING LITERACY AMONG PRESCHOOL AND SCHOOL-AGE MINORITIES: A FACTOR IN REDUCING SOCIAL DISPARITIES IN SOCIETY K. Rasheva-Yordanova, B. Nikolova	8110
COMMUNICATING THROUGH MULTISENSORY STIMULATION IN THE CLASSROOM L.G. Popescu	8117
PERCEPTIONS OF POSTGRADUATE STUDENTS TOWARDS COOPERATIVE LEARNING IN ARCHITECTURE A.P. Opoko, W. Eke, A. Daramola	8122
THE IMPACT OF NEW LEARNING SPACES ON TEACHER PEDAGOGY AND STUDENT LEARNING BEHAVIOR R.M.K. Nambiar, N. Mohd Noor, K. Ismail	8132
SOCIO-EMOTIONAL DEVELOPMENT OF PRESCHOOL CHILD - AN ESSENTIAL COMPONENT OF SCHOOLING ABILITY D. Mara	8136
INNOVATIVE METHODS OF LEADERSHIP TRAINING FOR NURSING STUDENTS. A LITERATURE REVIEW J. Gotlib, J. Jaworski, A. Zarzeka, M. Panczyk	8141
KEY COMPETENCIES FOR PUBLIC HEALTH LEADERS – QUALITATIVE ANALYSIS OF EUROPEAN AND AMERICAN FRAMEWORKS J. Gotlib, M. Jaworski, A. Zarzeka, M. Panczyk	8148
MIDI FILES, NOTATION AND SEQUENCING SOFTWARE: TEACHING MUSIC WITH NEW TECHNOLOGIES A.F. Vico Prieto	8154
NEW PEDAGOGICAL APPROACHES IN ART EDUCATION. USING NEW TECHNOLOGY? A.F. Vico Prieto	8158
EXPLORING AN HISTORICALLY DISADVANTAGED SOUTH AFRICAN TERTIARY INSTITUTION'S CULTURE AND RESPONSE TO PROVIDING REASONABLE ACCOMMODATION TO STUDENTS DIAGNOSED WITH ADHD M. Willemse, M.R. Smith, A. Padmanabhanunni	8162
COMPETENCE DEVELOPMENT AND KNOWLEDGE FORMATION IN NATURAL RESOURCE INDUSTRIES IN PERIPHERAL REGIONS C. Nuur	8163
THE IMPORTANCE OF MARKETING IN THE FULFILLMENT OF THE THIRD ROLE OF UNIVERSITY M. Juříková, J. Kocourek	8165
EDUCATIONAL NEEDS AND EXPECTATIONS OF STUDENTS, RELATED TO WORK AS AN IT SPECIALIST IN POLAND W. Chmielarz, T. Parys	8171
PROBLEMS OF THE STUDENTS' ETHNIC TOLERANCE DEVELOPMENT IN A MULTICULTURAL UNIVERSITY ENVIRONMENT O. Smolyaninova, Y. Popova	8181
HOME-READING STORIES WRITTEN BY STUDENTS AS A COMPREHENSIVE METHOD OF FOREIGN LANGUAGE TEACHING AND LEARNING N. Severova, D. Gusarov	8187
LOCAL DEVELOPMENT THROUGH DISTANCE EDUCATION: AN ANALYSIS OF LOCAL SUPPORT CENTERS DISTRIBUTION TO IMPROVE HIGHER EDUCATION ACCESS IN BRAZIL J. Heredia, M. Moraes, E. Vieira	8192
TEACHING HISTORY OF ECONOMIC THOUGHT: TIME TO ENHANCE THE MORAL ASPECT? T. Suprun	8196
UNIMINUTO (COLOMBIA): A REPLICABLE EXPERIENCE IN INCLUSIVE HIGHER EDUCATION? C. Aquirre, C. de Pretelt	8203

UNIVERSAL DESIGN FRAMEWORK FOR THE DEVELOPMENT OF ADAPTABLE ARCHITECTURAL STUDIOS FOR LEARNING ENVIRONMENTS A. Sholanke, A. Adeboye, O. Alagbe, D. Fadipe, J. Iyoha	8213
TEACHING STATISTICAL RFM SEGMENTATION IN EXCEL M. Králová, P. Lasak	8225
CHANGES IN THE CULTURE OF THE ORGANIZATION OF POLISH SCHOOLS OF VARIOUS TYPES IN LIGHT OF UNDERTAKEN REFORMS A. Hesse-Gawęda	8233
TYPES OF ORGANIZATIONAL CULTURE IN POLISH SCHOOLS BASED ON THE TYPOLOGY OF CH. HANDY A. Hesse-Gawęda	8240
INTERPRETING IN HEALTH CARE SETTINGS (CASE STUDY OF SPAIN AND RUSSIA) E. Zvereva, K. Chilingaryan	8247
HUMANS VERSUS MACHINES OR HUMANS AND MACHINES? STEM AND CITIZENSHIP EDUCATION IN A POST-HUMAN SOCIETY N. Simões, N. Domingues	8255
VALUE CONGRUENCE AS AN ASPECT OF CULTURAL DIFFERENCES BASED ON COMPARISONS IN BRAZIL, PORTUGAL AND ECUADOR V. Ramos, D.C. Terra de Andrade, F. Jordão, H. Rodriguez Ramos, A. Franco-Crespo, N. Alomoto, E. Tejera	8264
DEVELOPMENT AND VALIDATION OF ASSESSMENT AND ACCOUNTABILITY FRAMEWORK FOR THE PREPARATION OF FUTURE TEACHERS O. Lebar, N. Kepol, M.U. Dollah	8269
DEVELOPMENT OF INFORMATION SECURITY POLICY FOR SMART EDUCATION A. Barlybayev, S. Abdymanapov, G. Akimbekova	8276
CHALLENGES FOR THE UNIVERSITY AS AN E-TEXTBOOK PUBLISHER OF SCHOLARLY WORK L. Patterson, E. Rivera, K. Smyth, F. Rennie, S. Connor	8281
DEVELOPING A MODEL FOR TEACHER CLINICAL EXPERIENCE AND INDUCTION FOR PREPARING QUALITY TEACHERS FOR THE FUTURE M.H. Abdullah, I.S. Mohd Ariff Albakri, A.J. Jusoh, S. Samsudin, R. Mansor, M. Mohd Nor	8293
DEVELOPING AND VALIDATING A TEACHING AND LEARNING FRAMEWORK FOR PREPARING QUALITY TEACHERS FOR THE FUTURE C.K. Swaran Singh, N. Idris, T.M. Tunku Mohtar, E.T. Ong, N. Abdul Rahman, M. Che Mustafa	8303
PARTICIPATION AND PARTNERSHIPS IN TRANSNATIONAL OPEN CONTENT DEVELOPMENT M. Brown, E. McSharry, S. Konstantinidis, C. Hall, M. Taylor	8311
VARIABLES INSEPARABLE IN HIGHER EDUCATION: TEACHING AND RESEARCH A. Baykal	8319
OVERVIEW OF THE HIGHER EDUCATION LANDSCAPE AND THE COMPETENCE PROFILE OF INDUSTRIAL ENGINEERS AND MANAGERS: RESULTS FROM AN AUSTRIAN SURVEY S. Swobodnik, K. Priebernig, B.M. Zunk	8328
INDUSTRIAL REQUIREMENTS – CHALLENGES FOR ACADEMIC SECTOR T. Popa, M.R. Cotrumba, O.S. Cupsa	8336
SUPPORTING LANGUAGE LEARNING WITHIN UNIVERSITY MAJORS E. Thornquist, C. Journeaux, J. Gammack	8344
NEW TECHNOLOGIES AND NEW RULES – MAIN FACTORS FOR UPDATES OF COURSE CURRICULA T. Popa, I.I. Roman, O.S. Cupsa	8350
SATISFY EDUCATION NEEDS IN THE TIME OF CLOUD COMPUTING IN MORE THAN 150 COUNTRIES A. Ziegler	8358
THE ROLE AND MEANING OF COLOR IN ARCHITECTURAL DESIGN - CONSCIOUS CREATION OF OPTIMAL USABLE AND AESTHETIC SOLUTIONS IN ACCORDANCE WITH THE PREFERENCES OF FUTURE USERS J. Zabawa-Krzypkowska, K. Groń	8365
MOTIVATION BEHIND PARAMETERIZED EXERCISES J.P. Cruz, P. Oliveira, D. Seabra	8372

SCILLA: A SCIENTIFIC/LEARNING LAGRANGIAN MODEL FOR TEACHING TRANSPORT-DISPERSION PROCESSES IN MARINE SCIENCES, OCEANOGRAPHY, AND COASTAL MANAGEMENT DEGREES AT THE UNIVERSITY OF CADIZ (SPAIN) C.J. González, M. Bolado-Penagos, J.J. Gomiz-Pascual, R. Mañanes, O. Álvarez, A. Izquierdo, M. Bruno	8377
LINGUISTIC CHALLENGES: ENGLISH LEGAL SYSTEM N. Belenkova	8384
MODEL FOR DETECTING ACADEMIC FAILURE AUTOMATICALLY AND EARLY ON J. Albusac, J.J. Castro-Schez, C. González, D. Vallejo	8388
EFFECT OF AN E-WORKSHEET MANAGEMENT SYSTEM FOR PROMOTING STUDENT ACTIVE LEARNING A. Ito, Y. Morimoto, R. Hayakawa	8398
EVALUATING ACTIVE LEARNING METHODOLOGIES IN A COMPUTER ENGINEERING PROGRAM E. Alberti, A. Targa, G. Paura, A. Brawerman	8408
IMPROVING TRANSVERSAL SKILLS IN THE STRATEGIC MANAGEMENT SUBJECT IN GLOBAL ENVIRONMENTS OF THE UNIVERSITY MASTER IN BUSINESS ADMINISTRATION (MBA) BY APPLYING THE SCRUM METHODOLOGY J. Capó-Vicedo, P. Vicedo, M. Díaz-Madroñero, J. Mula	8415
APPLYING THE SCRUM METHODOLOGY TO THE OPERATIONS AND TECHNOLOGY STRATEGY SUBJECT OF THE UNIVERSITY MASTER IN BUSINESS ADMINISTRATION (MBA)	8424
J. Mula, M. Díaz-Madroñero, P. Vicedo, J. Capó-Vicedo CHALLENGING THE CHALLENGERS: TECHNOLOGY ENHANCED MATH MENTORSHIP FOR GIFTED STUDENTS IN AN INTERNATIONAL BACCALAUREATE CURRICULAR CONTEXT (MATEMENTOR PROJECT) M. Portela, G. Garcia Fernandez	8434
GAMIFICATION IN CULTURAL AND HISTORICAL HERITAGE EDUCATION O. Konstantinov, E. Kovatcheva, N. Palikova	8443
CAPTURING, ENCODING, EXPLAINING AND SHARING: A CASE STUDY IN A PUBLIC ORGANIZATION E. Marques Júnior, J. P. Albino, E. M. R. Marques, E. Zambelo, M. C. Vitoreli	8452
MODEL OF PEDAGOGICAL AGENT TO PERSONALIZE LEARNING PATHS V. Drąsutė, R. Burbaitė, V. Štuikys	8460
PHRASEOLOGICALLY REPRESENTED CONCEPTS AS PART OF FORMING STUDENTS' LINGUISTIC CONSCIOUSNESS V.L. Malakhova, O.V. Desyatova	8468
LINGUOCULTURAL ASPECTS IN TRAINING INTERNATIONAL BUSINESS SPECIALISTS O.V. Desyatova, V.L. Malakhova	8476
EFFECTS OF A NOTEBOOK SYSTEM FOR SUPPORTING ATHLETE IMPROVEMENT OF COMPETITIVE ABILITY IN BALL GAMES M. Shiokawa, M. Morimoto, R. Hayakawa	8484
PROGRAMMING EDUCATION WITH STUDENT VOLUNTEERS IN COOPERATION WITH REGIONAL COMMUNITIES IN JAPAN N. Bito, Y. Morimoto, Y. Miyadera	8495
ENCOURAGE LEARNING X-R CONTROL CHARTS THROUGH THE USE OF CATAPULTS A. Peiro-Signes, O. Trull-Dominguez, M. Segarra-Oña	8506
CONGRESS FORMAT IN EDUCATION FOR LANDSCAPE AND CIVIL ENGINEERING P. Hernández Lamas, B. Cabau Anchuelo, J. Bernabéu Larena	8513
DRAWING CARTOGRAPHIES IN EDUCATION FOR LANDSCAPE AND CIVIL ENGINEERING J. Bernabéu Larena, B. Cabau Anchuelo, P. Hernández Lamas	8522
FORMATIVE ASSESSMENT IN LANGUAGE LEARNING ON THE BASIS OF INFORMATION TECHNOLOGIES A. Grebenshchikova, O. Suslova	8528
ENGLISH CLASSROOM: CRITICAL THINKING AND INFORMATION COMMUNICATION TECHNOLOGIES A. Grebenshchikova, O. Suslova	8533
TRACKING AND IMPROVING GRADUATE STUDENTS' PROGRESS TOWARD DEGREE COMPLETION UTILIZING THE GRADPATH DESKTOP/MOBILE	8540

LEARNING AND TEACHING EXPERIENCES FROM THE INTERNATIONAL CLASSROOM	8547
M. Guzikova, O. Kocheva, T. Vershinina	
THE IMPACT OF INSURGENCY ON EDUCATION IN NORTH-EAST NIGERIA P. Opoko, J. Eyiaro, M. Salau, B. Ogunkoya	8552
COMPARISON OF TEACHING CONCERNS OF BEGINNER AND RE-BEGINNER TEACHERS – DIFFERENCES IN BELIEFS AND ATTITUDES Z. Fodor	8558
USER REQUIREMENTS AND ANALYSIS OF PREECLAMPSIA DETECTION DONE THROUGH A SMART BRACELET I. Marin, A. Vasilateanu, B. Pavaloiu, N. Goga	8567
IF YOU WANT TO STUDY IN RUSSIA: B 1+ UNIFIED EXAM A. Dolzhikova, M. Kunovski	8577
THE SPECIFIC FEATURES OF THE ORGANIZATION OF ADDITIONAL FOREIGN-LANGUAGE EDUCATION OF LINGUISTICALLY GIFTED SCHOOL STUDENTS: THE RUSSIAN EXPERIENCE L. Shcherbatykh, S. Shcherbatykh	8584
EMPOWERMENT OF YOUTH WITH INTELLECTUAL DISABILITIES THROUGH A PERSONALIZED TRANSITION PROGRAM FOR ACQUIRING EMPLOYMENT SKILLS I. Traina	8591
THE USE OF ADVERTISING DISCOURSE IN SECOND-LANGUAGE VOCABULARY LEARNING E. Pleukhova, L. Gazizova	8597
CREATING AN EFFECTIVE E-LEARNING CONTENT: IMPLICATIONS FOR A LANGUAGE LEARNING PROGRAM N. Alsowayegh, H. Baradesi, I. Garba	8603
FORMATIVE EVALUATION IN HISTOLOGY PRACTICAL CLASSES M.P. Álvarez Vázquez	8612
EDUCATIONAL PROGRAMS OF THE CHINESE GOVERNMENT TO POPULARIZE CHINESE SCIENCE, CULTURE AND LANGUAGE ABROAD M. Egorova, S. Barov, Y. Medvedev	8617
THE OFFICIAL LANGUAGE PUTONGHUA IN THE EDUCATION SYSTEM OF THE PRC AND PRESERVATION OF THE MULTIETHNIC NATURE OF CHINESE SOCIETY M. Egorova, S. Barov, T. Orlova, L. Antonova	8623
THE ONLINE TECHNOLOGIES USED IN THE COMMUNICATION BETWEEN KINDERGARTEN-PARENTS M. Goga, E. Nacu	8628
KEY FACTORS FOR IMPROVEMENT OF THE QUALITY OF STUDY PROGRAMMES: THE ASPECT OF ANALYSIS OF THE EXTERNAL EVALUATION RESULTS I. Bilbokaitė-Skiauterienė, R. Bilbokaitė	8635
STRATEGIES OF TEACHING AND LEARNING ORGANIC CHEMISTRY SUPPORTED BY APPS	8643
A. Grunewald Nichele, L. Zielinski do Canto	
THE MILLENNIAL PRE-PROFESSIONAL: HOW TECHNOLOGY CAN REFORMULATE COURSEWORK TO INCREASE STUDENT ENGAGEMENT AND PROFESSIONAL COMPETENCE T. Brower	8651
DOES INTERDISCIPLINARITY IN A GLOBAL CLASSROOM PROMOTE LEARNING? L. Toutant, V. Rocco	8657
CAMERAS CROSSING CULTURES: INTERNATIONAL COOPERATION WITH DIGITAL MEDIA LITERACY A. Spring, E. Thomson, L. Eagleson	8658
TEACHING INNOVATION PROJECT AIMED AT INDUSTRIAL DESIGNERS OF THE UNIVERSITY OF MALAGA M.D. Marín Granados, O.D. de Cózar Macías, E.B. Blazquez Parra, F. J. Ortíz Zamora, F.J. Castillo Rueda, M.C. Ladrón de Guevara Muñoz, L. Miravet Garret, P. Mora Segado, I. Ladrón de Guevara López	8664
HOW PRINCIPAL LEADERSHIP LEADS TO TEACHER PROFESSIONAL LEARNING: A CASE STUDY OF TWO 'NEW-HIGH-QUALITY' PRIMARY SCHOOLS IN SHANGHAI, CHINA N. Pang, J. Cao	8669

INTEGRATING GEOGEBRA IN TEACHING INSCRIBED ANGLE THEOREM AND ITS PROOF – A LESSON STUDY	8670
J. Mendoza, R.C. Pati, J. Villena, C.J. Aduana, L. Elipane	
THE IMPACT OF HIGHER EDUCATION ON THE REGION R. Bilbokaitė, I. Bilbokaitė-Skiauterienė	8676
UNIVERSAL DESIGN FOR LEARNING: ASSESSMENT OF TEACHING METHODS IN COVENANT UNIVERSITY, OTA, OGUN STATE, NIGERIA A. Sholanke, A. Adeboye, O. Alagbe, U. Ugah	8682
LITERACY AND ITS EMBEDDED TRANSFORMATIVE POWER FOR DEVELOPMENT: CASE STUDIES OF BURKINA FASO AND KOREA ALLIANT WORK FOR 2007-2015 K.S. Kim, K.S. Lee	8689
DEVELOPING A TEACHER LEADERSHIP FRAMEWORK IN PREPARING QUALITY TEACHERS FOR THE FUTURE M.A. Mohd Noor, H. Yusof, M. Mansor	8698
ICT TOOLS FOR INTERPRETERS: IS ACADEMIA READY FOR INDUSTRY DIGITAL DEVELOPMENT? A. Atabekova	8708
TELESEICT: IMPROVE ACCESS TO ALL STUDENTS C. Brigas, P. Tadeu, J. Batanero, M. El Homrani	8713
EDUCATION AND EMPOWERMENT OF THE ROMA COLLECTIVE C. Campos Aparicio, V. Soler Penades, L. Uixera Cotano, M. Corell Domenech, C. Gomez Ferragud	8719
CRUCIAL DIRECTIONS OF THE DEVELOPMENT OF CONTINUING EDUCATION IN RUSSIA. INNOVATIVE ASPECTS E. Martynenko, N. Parkhitko	8723
GAMIFICATION AND PROFILE PLAYERS IN THE CLASSROOMS OF HIGHER EDUCATION: THE CASE OF THE ENGINEERING SCHOOL FROM THE UNIVERSITAT AUTÒNOMA DE BARCELONA S. Miguel Peña, M. Fuentes Agustí	8729
ENTREPRENEURSHIP EDUCATION. A PATHWAY TO IMPROVE ENTREPRENEURSHIP ORIENTATION OF THE STUDENTS T. Iturralde, A. Maseda	8736
MAPPING THE INTELLECTUAL STRUCTURE OF THE STUDENT ENGAGEMENT FIELD AT UNIVERSITIES A. Maseda, G. Aparicio, T. Iturralde	8745
LEARNING STYLES AND ACADEMIC PERFORMANCE IN ELECTRONICS AND AUTOMATIC ENGINEERS	8755
P.I. Vidal-Carreras, L. Canos-Daros, E. Guijarro, C. Pons-Morera	
EVALUATING EFFECTIVENESS OF E-RESOURCES RE-PURPOSED FOR EUROPEAN NURSING CURRICULA M. Narayanasamy, E. Navarro-Illana, K. Whittingham, A. Løkken, J. Sancho-Pelluz, V. Hvidsten, R. Windle, P. Navarro-Illana, S. Alamar, B. Oftedal, H. Wharrad, K. Hjorthaug Urstad	8762
IS THERE A RELATIONSHIP BETWEEN THE LECTURER'S LEARNING STYLE AND THE METHODOLOGIES USED IN TEACHING? SOME REFLECTIONS L. Canos-Daros, P.I. Vidal-Carreras, J.P. Garcia-Sabater, C. Santandreu-Mascarell	8768
ZEEE: A SEAGOING EXPEDITION CARRY ON BETWEEN DIFFERENT SPANISH INSTITUTIONS AND UNIVERSITIES IN COLLABORATION WITH THE SPANISH NAVY	8774
J.J. Gomiz-Pascual, M. Bolado-Penagos, C.J. González, R. Mañanes, M. Catalán	
DIGITAL INCLUSION IN WOMEN WITH DISABILITIES. ADVANTAGES AND BARRIERS OF ICTS FOR THIS SOCIAL GROUP M.P. Gomiz Pascual	8781
DIDACTICAL ISSUES ABOUT THE ECOLOGICAL-ENVIRONMENTAL REGENERATION OF HIGHLY URBANIZED AREAS R. De Martino, B. Di Vico, R. Franchino	8788
PROMOTING INTERNATIONALISATION IN HUMAN HEALTH DEGREES A. Peña-Fernández, M.D. Evans, L. Fretwell, M.A. Peña	8797
LIVING WALLS ENHANCING QUALITY OF EDUCATIONAL ENVIRONMENTS D. Hasirci, I. Kastas Uzun, H. Atmaca Cetin	8803
HOW TO TEACH E-BUSINESS, AN INSIGHT INTO THE PRACTICE OF THE FH JOANNEUM IN AUSTRIA M. Brickmann, S. Proßnegg, W. Schabereiter	8811

THE ROLE OF COMPETITION INFORMATICS WHEN TRAINING QUALITATIVE SOFTWARE SPECIALISTS P. Hristova, D. Atanasova	8816
DEVELOPMENT OF VIRTUAL INTELLIGENT TRAINING WORLDS A. Afanasyev, N. Voit, S. Bochkov, T. Afanasyeva	8826
COLLABORATIVE SUPERVISION FOR PROFESSIONAL DEVELOPMENT OF SECONDARY SCHOOL TEACHERS IN ANGOLA F. Paixão, P. Lourenço	8833
CASE STUDY BASED ON CHEMICAL PROBLEMS TO PROMOTE ETHICS AND SUSTAINABILITY R. Serrat, H. Oliver-Ortega, Q. Tarrès, M. Delgado-Aguilar, P. Mutjé, M. Alcalà	8838
INTRODUCTION TO ECOLOGICAL CHEMISTRY USING ENGLISH AS A REFERENCE LANGUAGE H. Oliver-Ortega, R. Serrat, M. Delgado-Aguilar, Q. Tarrès, M. Alcalà, P. Mutjé	8844
NEW METHODOLOGY TO PROMOTE COMMUNICATION AND ENGLISH SKILLS IN CHEMICAL ENGINEERING R. Serrat, H. Oliver-Ortega, M. Delgado-Aguilar, Q. Tarrès, M. Alcalà, P. Mutjé	8849
WEB BASED TESTS AS A MEANS TO ASSIST IN PRACTICAL ASSIGNMENTS: AN EXPERIENCE IN THE SECOND YEAR OF THE DEGREE IN BUSINESS ADMINISTRATION M.T. Díaz-Delfa, F. Arnaldos-García	8855
THE USE OF AN INDUSTRIAL REAL CASE TO PROMOTE THE ETHICAL AND SUSTAINABILITY THINKING IN GREEN CHEMISTRY H. Oliver-Ortega, R. Serrat, Q. Tarrès, M. Delgado-Aguilar, M. Alcalà, P. Mutjé	8863
PBL AS A USEFUL METHODOLOGY IN THE DEVELOPMENT OF SKILLS AND COMPETENCIES FOR INDUSTRIAL ENGINEERING STUDENTS G. Paura, E. Alberti, A. Brawerman	8868
HIGHER EDUCATION NEEDS A NEW ENTREPRENEURIAL MANAGEMENT APPROACH C. Ruggieri	8874
THE ROLE OF INTRODUCTORY PROGRAMMING COURSES IN UNIVERSITIES TO PROVIDE PROFESSIONAL COMPETENCE D. Atanasova, G. Atanasova	8879
DESIGNING AND IMPLEMENTING A ROBOTICS COURSE FOR HIGH SCHOOL STUDENTS G. Foukarakis, I. Syrris	8886
COLLABORATION BETWEEN TRANSLATOR AND SPECIALIST AS VALUABLE TOOL TO IMPROVE THE SCIENTIFIC TRANSLATION QUALITY V. Verardo, A.M. Gomez-Caravaca, D. Arráez-Román, A. Segura-Carretero, M.E. Le Poder	8896
ENTRANCE TICKETS: USING SMALL STAKES WRITING ASSIGNMENTS TO IMPROVE STUDENT READING J. Prince	8900
INITIAL OUTCOMES OF INTRODUCING THE STUDY OF THE EBOLA VIRUS IN A BIOMEDICAL SCIENCE DEGREE A. Peña-Fernández, A.J. Broadbent, E.M. Choi	8903
MIND MAPPING TECHNOLOGY IN THE COGNITIVE DEVELOPMENT OF SCHOOLCHILDREN Y. Davletkaliyeva, B. Muldasheva, G. Sarsenbayeva, Z. Kuzhagulova, A. Kerimberdina	8907
HOW AR-E YOUR SEMINARS?! COLLABORATIVE LEARNING WITH AUGMENTED REALITY IN ENGINEERING EDUCATION N. Schiffeler, A. Abdelrazeq, V. Stehling, I. Isenhardt, A. Richert	8912
DEVELOPMENT OF UNIVERSITY-INDUSTRY COOPERATIONS IN BIOTECHNOLOGY: EXPERIENCES FROM AUSTRIA R. Schneider	8921
THE PLASTER OF PARIS SKILLS WORKSHOP USING FLIPPED CLASSROOM TEACHING METHODS AT UNIVERSITY MALAYSIA SABAH M. Ohn, K. Ohn, U. D'Souza, Z. Arifin, H. Sayed, D. Kamarudin, S. Yusof	8922
TRAINING ACADEMIC LISTENING SKILLS AT A NON LINGUISTIC UNIVERSITY N. Belenkova, I. Kruse	8925

DEVELOPMENT OF PODCASTS IN THE DEGREES OF PHARMACY AND HUMAN NUTRITION AND DIETETICS	8929
A. Aparicio, E. Rodríguez-Rodríguez, E. Cuadrado-Soto, A. Peral-Suárez, P. Andrés, A.M. López-Sobaler, R.M. Ortega	
SEARCH-BASED ALGORITHM FOR PROFESSIONAL COMPETENCIES DEMANDED BY EMPLOYERS AS PART OF PRACTICE-ORIENTED EDUCATIONAL PROGRAMS AT UNIVERSITY	8935
E. Pitukhin, O. Zyateva, L. Shchegoleva	
DESIGNING A TEACHER TRAINING PROGRAM ON THE INTEGRATION OF AUGMENTED AND MIXED REALITY TECHNOLOGIES WITHIN THE EDUCATIONAL PROCESS	8943
I.E. Lasica, M. Meletiou-Mavrotheris, K. Katzis, C. Dimopoulos, E. Mavrotheris	
EDUCATION - LIFELONG PROCESS M. Cárachová	8954
CONTROL PLAN LEARNING THROUGH AN EXPERIENTIAL LEARNING ACTIVITY USING CATAPULTS O. Trull-Dominguez, A. Peiro-Signes, M. Segarra-Oña	8962
INTRODUCTION OF CHANGES FROM A COMPETENCIES ANALYSIS IN AN INDUSTRIAL ENGINEERING GROUP M. Delgado-Aguilar, Q. Tarrès, X. Espinach, F. Julián, M. Alcalà	8969
TRANSFORMING AN INDUSTRIAL PROCESS IN A GREENER AND SUSTAINABLE	8976
ONE H. Oliver-Ortega, R. Serrat, M. Delgado-Aguilar, Q. Tarrès, M. Alcalà, P. Mutjé	0770
LIFELONG LEARNING OF MATHEMATICS M. Lepellere, L.C. Piccinini	8981
OPTIONS FOR INCREASING THE QUALITY OF EDUCATION M. Cárachová	8988
LEARNING SYSTEM FOR AUTOMOTIVE SPECIFIC SYSTEM ARCHITECTURE BASED ON A KNOWLEDGE BASE N. Englisch, A. Heller, W. Hardt	8996
NEW CHALLENGES IN THE BIOCHEMISTRY LABORATORY: CONNECTING SECONDYEAR STUDENTS OF BIOCHEMISTRY DEGREE TO LABORATORY PRACTICE J.M. Navarro Llorens, A. Saborido Modia, M. Arroyo Sánchez, M. Lorente Pérez, R. Ranz Valdecasa, T. López Conejo, J.L. Nieto Bueno, J.L. Garrido Bueno, B. de Juan Mora, C. González Núñez, A. Santos González de Aledo, C. Cela Rodríguez, A. Sánchez Torralba	9003
TRANSFORMATIONS OF THE BUILT ENVIRONMENT: A TECHNOLOGICAL APPROACH M. Cannaviello, R. Franchino, C. Frettoloso	9011
TRANSPORTATION CHALLENGES FACED BY FEMALE STUDENTS TO ACQUIRE HIGHER EDUCATION IN KHYBER PAKHTUNKHWA, PAKISTAN: A CASE STUDY N. Fardows, Z. Altaf, Z. Nayer, S. Nayer, R. Mariam	9020
A PILOT STUDY TO EVALUATE ROLE PLAY AS A TEACHING METHOD TO UPDATE NURSING MENTORS IN PRACTICE J. Dundas, J. Francois, A. Ooms	9027
AN INVESTIGATION INTO HOW SOCIAL NETWORKING SITES CAN BE USED AS A TEACHING AND LEARNING TOOL TO BUSINESS AND INFORMATION MANAGEMENT FIRST YEAR STUDENTS K. Ngwane, N. Memela	9033
PROBLEM-BASED LEARNING AND TEACHER TRAINING IN MATHEMATICS: HOW TO DESIGN A MATH LABORATORY M. Cazzola	9038
PARENTS' EVERYDAY LIFE RESOURCEFULNESS AND EMOTIONAL MATURITY OF THEIR SIX-YEAR-OLD CHILDREN S. Sobczak	9044
WELL-BEING AND ACADEMIC PERFORMANCE IN UNDERGRADUATE STUDENTS: THE HAPPY-AND-PRODUCTIVE FACE OF MINDFULNESS C. Coo, J. Escartin	9054
LESS IS MORE: THE IMPACT OF MINDFULNESS MEDITATION ON UNDERGRADUATE STUDENTS' ACADEMIC PERFORMANCE C. Coo, J. Escartin	9057
QUESTION TYPE IN MOODLE TO EMULATE SOME REAL SITUATIONS A.M. Ramírez Bedolla, L.M. Castañeda de León	9060

SELCONT: SYNCHRONIZED ELEARNING CONTENT TOOLKIT D. Pantazatos, C. Marinos, K. Giotis, A. Vekris, M. Grammatikou, V. Maglaris	9067
STREAMING EDUCATION VS ONLINE EDUCATION, IS THE FUTURE? T.M. Santamaria, A. Carrera, G. Muñoz, J. Samaniego, V. Gonzalez	9074
SHINY AS A LEARNING AND ASSESSMENT TOOL IN STATISTICS FOR BUSINESS M.T. Díaz-Delfa, J.J. Pérez-Castejón, F. Arnaldos-García, U. Faura-Martínez, L. Molera-Peris	9078
INVESTIGATING THE CRITICAL EFFECTS ON E-LEARNING ON FIRST YEAR STUDENTS: A CASE STUDY OF BUSINESS AND INFORMATION MANAGEMENT STUDENTS K. Ngwane, A. Mnguni	9088
CHALLENGES FOR TEACHING AND LEARNING ACTIVITIES (TLA) AT ENGINEERING EDUCATION A. Kelati, I. Ben Dhaou, V. Taajamaa, D. Rwegasira, A. Kondoro, H. Tenhunen, N. Mvungi	9093
PROJECT EL-STEM: ENLIVENED LABORATORIES WITHIN STEM EDUCATION E. Mavrotheris, I.E. Lasica, S. Pitsikalis, M. Meletiou-Mavrotheris	9099
CINEMA AS A LEARNING-TEACHING INNOVATIVE TOOL FOR PUBLIC HEALTH AND COMMUNITY PHYSIOTHERAPY S. Cortés-Amador, R. Faubel-Cava, E. Marqués-Sulé, M. Aguilar-Rodríguez, N. Sempere-Rubio	9108
ASSESSMENT OF STUDENTS' SATISFACTION WHEN APPLYING ROLE-PLAYING METHODOLOGY FOR THE STUDY OF DISABILITY ASSISTANCE IN PHYSIOTHERAPY E. Marqués-Sulé, S. Cortés-Amador, R. Faubel-Cava, N. Sempere-Rubio, M. Aguilar-Rodríguez	9112
ASSESSMENT OF TRANSFERRING EARTH SCIENCES DISCIPLINES IN ORDER TO MERGE KNOWLEDGE	9116
M. Bolado-Penagos, J.J. Gomiz-Pascual, C.J. González, M.C. Fernández-Puga, R. Mañanes, M. Bruno PROGRAMMERS` PROFESSIONAL DEVELOPMENT MONITORING SYSTEM A. Vasilateanu, I. Marin, B. Pavaloiu	9123
THE USE OF COMMUNICATION APPLICATION (WHATSAPP GROUP) AS AN INSTRUCTIONAL TOOL FOR TEACHING AND LEARNING OF UNDERGRADUATE MEDICAL STUDENTS M. Ohn, K. Ohn, U. D'Souza, D. Kamarudin, S. Yusof, Z. Arifin	9127
INTEGRATED WATER MANAGEMENT IN THE ANDEAN REGION OF ECUADOR: FROM RESEARCH TO EDUCATION J. Moreno-Andrés, M. Bolado-Penagos, F. López	9134
DEALING WITH AGGRESSION IN THE CLASSROOM: ONLINE CLINICAL SIMULATIONS TO MEASURE MASTERY OF AGGRESSION MANAGEMENT COMPETENCES D. Franco, R. Vanderlinde, M. Valcke	9140
CULTURAL SEMANTICS IN SECOND LANGUAGE TEACHING: A CASE STUDY OF RUSSIAN DRUG AND ENGLISH FRIEND V. Ozyumenko, T. Larina	9149
FLIPPED LEARNING TO GET STUDENTS TO LISTEN TO THE RECORDINGS I.B. Frímannsdóttir	9159
VIRTUAL AND AUGMENTED REALITY FOR STEAM EDUCATION. PRELIMINARY RESULTS FROM A REVIEW OF RESEARCH A. Quesada, M. Romero-Ariza	9160
PHYSICS WITHOUT CALCULUS? S. Brasili, I. Marzoli, S. Benvenuti	9161
ANALYSIS OF THE TECHNOLOGICAL TOOLS USED BY COSTA RICAN EDUCATION STUDENTS: A CONTRIBUTION FROM PERSONAL LEARNING ENVIRONMENTS J.A. García Martínez	9166
STEM EDUCATION AND FUNDAMENTAL VALUES: DEVELOPMENT OF AN INSTRUMENT FOR QUALITY ASSURANCE M. Romero-Ariza, A. Quesada, A.M. Abril	9173
THE RED AND THE BLUE: NARRATIVES AND EXPERIENCES OF ICT INTEGRATION IN SOUTH AFRICAN MARGINALISED SCHOOLS L. Dalvit	9174
HOPE VERSUS DESPONDENCY: EXPLORING THE LITERACY PROSPECTS OF SOUTH AFRICAN EARLY CHILDHOOD LEARNERS A. van Staden	9175
LEARNING ANALYTICS FRAMEWORK FOR IOT SECURITY EDUCATION <i>M. Chenguang, S. Kulshrestha, S. Wei, Y. Okada, R. Bose</i>	9181

MATHEMATICS LEARNING: ANOTHER BRICK IN THE WALL? INTER-DISCIPLINARY PERSPECTIVES AND RESEARCH ACTION PROJECTS WITHIN THE SCOPE OF GLOBAL CITIZENSHIP EDUCATION N. Simões	9192
MOTIVATION OF STUDENTS THROUGH THE GAMIFICATION TECHNIQUE IN THE SUBJECT OF THEORY OF STRUCTURES E.F. Ledesma, A.R. Esquinas, A. Lozano Lunar, J.M. Fernández, J.R. Jiménez	9202
THE ROLE OF COMMUNICATIVE ACTIVITY COMPETENCE IN TEACHING FRENCH AS A FOREIGN LANGUAGE I. Meshkova, O. Sheremetieva, L. Spynu	9209
CRITICAL PEDAGOGY 2.0: REFLECTION ON TEACHING DIGITAL MEDIA AND EDUCATION AT A SOUTH AFRICAN UNIVERSITY L. Dalvit	9215
MATHEMATICS, ART AND TECHNOLOGY: INTERDISCIPLINARITY, COMPLEMENTATION AND COOPERATION E. Marques Júnior, E. M. R. Marques, A. R. Souza	9216
MODELS OF USING MOOCS IN HIGHER EDUCATION: ORGANIZATION AND FINANCE ASPECTS V. Larionova, T. Semenova, T. Bystrova, V. Tretyakov	9223
REFLECTION AS A PSYCHOLOGICAL MECHANISM AND ITS ROLE IN UNIVERSITY STUDENTS' UNDERSTANDING OF THE NEW MEDIA DISCOURSE SPACE A. Guslyakova, N. Guslyakova, Y. Nigmatzyanova, M. Rudneva, N. Valeeva	9230
UTILIZING ORTHOGRAPHIC PATHWAYS TO IMPROVE SPELLING: A QUALITATIVE ANALYSES OF L2 SPELLING ATTEMPTS A. van Staden, E. Vorster	9237
FORMULATING AN INNOVATIVE TRAINING FRAMEWORK FOR STEM ENTREPRENEURSHIP F. Grivokostopoulou, I. Perikos, K. Kobas, M. Paraskevas, I. Hatzilygeroudis	9242
INCORPORATING PROBLEM SOLVING SKILLS INTO AN INTRODUCTORY MATLAB COURSE M. Ben Ghalia	9247
CORRELATION BETWEEN CREATIVE ABILITIES AND THEIR LEVEL OF QUALIFICATIONS FOR UNIVERSITY STUDENTS IN ECUADOR A. Franco, V. Ramos, N. Alomoto	9255
TEACHERS' PERCEPTIONS TOWARD USING INTERACTIVE WHITEBOARD IN HIGH SCHOOLS IN SAUDI ARABIA B. Algarni	9260
DESIGN THINKING AND COLLABORATIVE PRACTICES. CONTRIBUTIONS TO URBAN LITERACY P. Lourenco, M. Pacheco, T. Heitor	9269
BRAND MANAGEMENT AND PUBLIC UNIVERSITIES: THE IMPORTANCE OF BUILD EDUCATIONAL BRAND CAPITAL J. Casanoves-Boix	9278
THE INTEGRAL EDUCATION: UNIVERSIDAD SIMON BOLIVAR'S COMMITMENT AS AN EDUCATIONAL PROJECT DEVOTED TO SERVE HUMAN AND SOCIAL DEVELOPMENT	9284
P. Martinez Barrios, E. Consuegra Solano, L. Caicedo Consuegra BEYOND GRAPHIC EXPRESSION: A DIAGNOSIS ABOUT THE USE OF ICT TEACHING METHODS IN ENGINEERING AND ARCHITECTURE DEGREES	9290
V. López-Chao, D. Ramiro-Aparicio, V. López-Pena THE MENTAL TELESCOPE: UNDERSTANDING THE GEOMETRY OF EUCLID BY LEARNING THE NON-EUCLIDEAN GEOMETRY S. Benvenuti, A. Cardinali	9296
DETECTION OF PLAYER LEARNING CURVE IN A CAR DRIVING GAME B. Bontchev, D. Vassileva	9302
GRAPHIC EXPRESSION IN INDUSTRIAL DESIGN AND PRODUCT DEVELOPMENT: DIFFERENCES IN A COMMON FRAMEWORK OF HIGHER EDUCATION D. Ramiro-Aparicio, V. López-Pena, V. López-Chao	9312
LESSONS AND LEARNERS: INNOVATIVE DESIGN IN ONLINE COURSES IN A BACHELOR OF NURSING PROGRAM L. Corcoran R. Roder A. Wegre	9317

VR4STEM - A 3D VIRTUAL WORLD FOR ASSISTING YOUNG PEOPLE TO GAIN ENTREPRENEURSHIP SKILL IN THE STEM AND ICT DOMAINS D. Paulo de Mattos, D. Popovici	9322
MOTIVATION OF STUDENTS IN EDUCATION IN THE FIELD OF SECURITY MANAGEMENT V. Soltes, J. Kubas, K. Repkova Stofkova	9331
PRESERVICE TEACHERS' EXPERIENCES OF GROUP WORK Y.R. Kim, M.S. Park	9338
AN EXAMPLE OF TEACHING A COURSE IN E-LEARNING ASSESSMENT METHODS FOR A MASTER OF SCIENCE PROGRAMME IN E-LEARNING P. Mihnev, K. Bankov	9342
LANGUAGE TRAINING FOR PUBLIC SERVICES SPHERE N. Udina	9352
THE PEDAGOGICAL VARIATION MODEL INCREASING RETENTION AND DECREASING ATTRITION RATES IN E-LEARNING ENVIRONMENTS M.S. Rogers	9356
EDICOM: A MODEL OF STRUCTURING AND RELATING TEACHING-LEARNING PROCESSES BETWEEN THE UNIVERSITY AND SCHOOL M.G. Badilla Quintana, M.A. Prats Fernández	9365
CATHOLIC NURSING CENTER: AN INNOVATIVE STRATEGY TO SUPPORT EDUCATION L. Names, America, M. G. Praces, M. M. Vinira	9366
J. Neves-Amado, M.C. Braga, M.M. Vieira TEACHING IN ENGLISH IN THE SPANISH HIGHER SCHOOLS OF ART AND DESIGN. AN INCLUSIVE APPROACH S.J. Ros Turégano, P.P. Miralles Quiles, C. Caro Gallego, M.A. Martínez Vidal, B. Huertas Alós	9369
CREATING TEACHING MATERIALS FOR SCIENCE, CHEMISTRY AND BIOLOGY IN THE CONTEXT OF A TEACHING INITIATION PROJECT A. Grunewald Nichele, M. Bundchen, K. Silva dos Santos Moraes, M. Diedrich de Souza, V. Einsfeld, R. B. Callegari Pacheco, L. P. Dall'onder	9376
A CONTINUOUS ASSESSMENT EXPERIENCE IN THE UNDERGRADUATE NURSING COURSE J. Neves-Amado, J. Costa Amado	9383
ASSISTIVE TECHNOLOGIES FOR DYSLEXIC STUDENTS A. Adkins, C. Turman	9387
USING ON-LINE DICTIONARIES FOR STUDENTS' AUTONOMOUS LEARNING N. Udina	9391
A SURVEY ON SOFTWARE COMPLEXITY METRICS IN THE CONTEXT OF THEIR APPLICATION IN EDUCATIONAL ENVIRONMENT E. Stankov, A. Madevska Bogdanova, B. Ilijoski, M. Jovanov	9395
CREATIVE THINKING IN PRIMARY STUDENTS WITH SCRATCH. DEVELOPING SKILLS FOR THE 21ST CENTURY IN CHILE I. Salamanca Garay, M.G. Badilla Quintana	9405
DOING MORE WITH LESS: USING HIGH-THROUGHPUT AND PARALLEL EXPERIMENTAL SYSTEMS TO ENHANCE LEARNING V. Xiao, J. Abdul-Raheem, J.F. Hamel	9413
ENHANCED STUDENT ENGAGEMENT THROUGH A MULTI-PLATFORM REAL-TIME DATA CAPTURE AND ANALYSIS SYSTEM J. Abdul-Raheem, V. Xiao, J.F. Hamel	9420
USE OF PROJECTS AT FEDERAL NETWORK OF TECHNOLOGICAL EDUCATION INSTITUTES: AN EXPLORATORY ANALYSIS BASED ON ESSENTIAL PROJECT DESIGN ELEMENTS F. Medeiros, J. Rodrigues Júnior, A. Santos, A. Paz	9428
"YOUNG ENTREPRENEURS": BOOSTING THE ENTREPRENEURIAL SKILLS IN YOUNG PEOPLE LIVING IN MARGINAL URBAN AREAS OF GUAYAQUIL, ECUADORA CASE STUDY E. Armijos, K. Yambay de Armijos	9433
THE DEVELOPMENT OF A LEARNING MANAGEMENT SYSTEM UTILIZING MODERN MOBILE AND MODERN WEB TECHNOLOGIES G. Ross	9440
21ST CENTURY SKILLS DEVELOPMENT IN PROJECT-BASED LEARNING AT FEDERAL NETWORK OF TECHNOLOGICAL EDUCATION INSTITUTES F. Medeiros, A. Santos, J. Rodrigues Júnior, A. Paz	9447

ART AND TECHNOLOGY FOR RELATIONAL LEARNING E. Bittar, O. Nocent, J.B. Masson	9454
TRAINING OF A NEW GENERATION OF ENGINEERING CADRES IN POSTGRADUATE STUDIES: THE RESULTS OF TEMPUS PROJECT A. Baliasov, L. Boronina, I. Sholina	9460
DIGITAL TRANSFORMATION OF RESEARCH PROCESS AT HIGHER EDUCATION INSTITUTIONS P. Matkovic, P. Tumbas, M. Maric, L. Rakovic	9467
FRENCH AS A FOREIGN LANGUAGE: DESIGN, DEVELOPMENT AND EVALUATION OF AN IMMERSIVE VIRTUAL REALITY LEARNING ENVIRONMENT V. Maragkou, M. Rangoussi	9473
EDUCATIONAL COMPUTER CODE FOR THE STUDY OF TORSIONAL VIBRATIONS OF SHAFTS A. Craifaleanu, C. Dragomirescu, I.G. Craifaleanu	9484
DIGITAL TRANSFORMATION OF HIGHER EDUCATION: COMPETING ON ANALYTICS L. Seres, V. Pavlicevic, P. Tumbas	9491
SELF-EDUCATION AND DEVELOPMENT OF PROFESSIONAL COMPETENCIES OF PERSONNEL ON THE BASIS OF INFORMATION TRAINING PROGRAMS S. Aliukov, V. Radzikhovskaya, K. Guryanova	9498
EDUCATION IN ANCIENT GREEK AND ROMAN CIVILIZATIONS. CREATION OF MEDICAL TERMINOLOGY M. Coanca	9503
STUDENT PERCEPTIONS OF A TEXT-PLUS-PICTURE CASE STUDY: COGNITIVE STYLE DIFFERENCES T. Orten Tugrul	9507
MOTIVATING PUPILS IN PROGRAMMING M. Spisakova	9513
ON THE DIFFICULTIES OF THE CHINESE LANGUAGE O. Gorbatenko, N. Ageev	9523
FUTURE PROOF EDUCATION LAB: RESEARCH INTO THE INTERACTION BETWEEN PHYSICAL LEARNING SPACE, EDUCATIONAL TECHNOLOGY AND INNOVATION WITHIN THE CONTEXT OF FUTURE PROOF EDUCATION S. Verstraete, M. Buyle	9524
E-NAVIGATION, DIGITALIZATION AND UNMANNED SHIPS: CHALLENGES FOR FUTURE MARITIME EDUCATION AND TRAINING M. Baldauf, M. Kitada, R. Mehdi, D. Dalaklis	9525
THE EFFECT OF THE EXECUTIVE FUNCTION GUIDELINE FOR WRITING LEARNING EXPERIENCE PLANS ON THE PRESCHOOL TEACHERS' TEACHING SKILLS: A CASE STUDY OF THE KINDERGARTENS IN BANGKOK P. Imtaku, P. Seree, P. Thanasetkorn	9531
THE EFFECT OF THE EXECUTIVE FUNCTION GUIDELINE FOR WRITING LEARNING EXPERIENCE PLANS ON THE PRESCHOOL TEACHERS' TEACHING SKILLS: A CASE STUDY OF THE KINDERGARTENS IN THE PROVINCES M. Mekboworn, P. Seree, P. Thanasetkorn	9537
THE RELATIONSHIP BETWEEN GENDER TRAITS AND AMBIVALENT SEXISM S. Agut, F. Lozano-Nomdedeu, R. Peris	9543
DIGITAL LEARNING MATERIALS AND EDUCATIONAL TECHNOLOGIES IN SCHOOLS OF LATVIA. OVERVIEW OF THE SITUATION L. Daniela, Z. Rubene, L. Goba	9549
AUDIO-BOOK "HOW THE SHAMMIES LEARN?" FOR PRESCHOOL EDUCATION L. Daniela, M. Jürimäe	9560
MASTER PROGRAMS TAUGHT IN FOREIGN LANGUAGES: STUDENTS' EXPERIENCE IN RESEARCH A. Atabekova	9569
OCD MODEL FOR OPENING UP VET A. Benedek, G. Molnár, K. Nagy	9575
ANALYSIS OF THE EVOLUTION OF PAINTING SYSTEMS: SEARCHING FOR EFFECTIVE MEANS OF PRESENTATION OF GRAPHIC INFORMATION IN THE EDUCATIONAL PROCESS E. Godlevskava, V. Likholetov, S. Aliukov, E. Sichinskiy	9582

COMPUTER SUPPORT BY MEANS OF LATEX - THE TEACHING OF CONSTRUCTING THE PLANE SECTIONS OF POLYHEDRA A. Naziev, P. Monina	9587
IMPROVING THE TEACHING AND LEARNING OF QUANTIFIERS WITH THE HELP OF KNIGHT AND KNAVE PROBLEMS A. Naziev	9597
USE OF WEB 2.0 TOOLS ON "BIODİVERSITY" IN LEARNING O. Toper, O. Paker, S. Ozel	9603
TEACHERS' MYTHS AND PERCEPTIONS ON CREATIVITY N. Sevinc, E. Kanli	9608
QUALITY OF RELATIONSHIPS AS A FOUNDATION FOR THE DEVELOPMENT OF EDUCATIONAL PRACTICE E. Slunjski, A. Golubić	9614
CYBER PARENTING MODULE DEVELOPMENT FOR PARENTS R.S. Ab Hamid, Z. Yunos, M. Ahmad	9620
INITIAL TEACHER EDUCATION – STARTING POINT FOR SUCCESSFUL ENROLMENT IN THE SCHOOL S. Petrovska, D. Sivevska, B. Popeska, J. Runcheva	9628
BENCHMARKING QUALITY ASSURANCE IMPLEMENTATION TO FOSTER REGIONAL COLLABORATION IN HIGHER EDUCATION J. Makonye	9639
THE POWER OF SOCIAL MEDIA IN MODERN EDUCATION K. Olkhovikov, A. Iqbal	9643
THE DEVELOPMENT OF MIT APP INVENTOR MOBILE APPLICATIONS RELATED TO THE DISPLAY OF MOLECULE GEOMETRIES WITH VSEPR THEORY N. Yenikalaycı, D. Çelikler, Z. Aksan	9648
A TEACHING STRATEGY FOR SECTIONAL DRAWING CONCEPT: A CASE OF PRE- SERVICE TEACHERS IN A JOHANNESBURG UNIVERSITY, SOUTH AFRICA S. Khoza	9655
LANGUAGE BARRIER AS AN OBSTACLE TO GET ACCESS TO MEDICAL CARE E. Zvereva, K. Chilingaryan	9662
PROPOSAL AND TRIAL OF INTRODUCTORY PROGRAMMING EDUCATION J. Shinkai, Y. Hayase, I. Miyaji, C. Moananu	9668
POST-SECONDARY EDUCATION: THE MISSING LINK IN TACKLING THE GLOBAL OPIOID ABUSE EPIDEMIC S. Coffey, L. Graham, C. Anyinam, B. Muirhead, A. DeLa Rocha, H. Zitzelsberger, E. Vogel, N. Ballantyne, R. Vanderlee, D. Chorney, P. Munro-Gilbert, E. Papaconstantinou, W. Sun	9674
NEW MEDIA GENRES AND THEIR IMPACT ON THE PROFESSIONAL DEVELOPMENT OF UNIVERSITY STUDENTS IN THE MODERN DIGITAL EPOCH A. Guslyakova, N. Guslyakova, Y. Nigmatzyanova, M. Rudneva, N. Valeeva	9680
THE ASSETS AND CHALLENGES OF USING ADOBE CONNECT IN A COLLEGE CLASSROOM J. Bazler	9686
A GAME-BASED APPROACH FOR TRAINING AND SUPPORTING YOUNG PEOPLE IN SOCIOPROFESSIONAL INTEGRATION IN A FRENCH UNIVERSITY M. Beauvais-Chevalier, C. Bourret	9690
SURVEY ON DIGITAL SKILLS IN COLLEGE AND UNIVERSITY STUDENTS T. Misik, K. Repkova Stofkova	9694
EMOTIONAL ASPECTS OF TEACHING SPEECH COMMUNICATION S. Kurbakova, E. Knyazeva, A. Arupov	9701
HOW COMPETENT ARE ADVANCED (POLISH) LEARNERS OF ENGLISH. THE CASE OF PRONUNCIATION M. Pospieszyńska-Wojtkowiak	9706
DYNAMIC ELEMENTS IN GEOMETRY T. Prextova, N. Stara, Z. Homanová, K. Kostolanyova	9714
EXPERIENCES IN ELABORATING AND USING A SHORT HANDBOOK OF FORMULAE AND TABLES FOR LEARNING AND TEACHING STATISTICS A.F. Roldán López de Hierro, C. Roldán	9722
SCHOOL AS A PROSOCIAL VERSUS ANTISOCIAL SPACE IN RELATION TO STUDENTS WITH ADHD D. Al-Khamisy, I. Kucharczyk	9726

COMPARATIVE STUDY OF HEARING IMPAIRED STUDENTS' VARIABLES IN SEGREGATED AND INCLUSIVE SCHOOLS: THE PERSPECTIVE OF PARENTS IN OYO STATE, NIGERIA F. Uko	9735
INTEGRATION OF REUSING MATERIALS AS A TOOL IN SUSTAINABLE DESIGN EDUCATION A. Radwan, A. Morsi	9743
DETERMINING FACTORS IN THE ENTREPRENEURIAL POTENTIAL OF UNIVERSITY STUDENTS. A PROPOSAL FOR MEASUREMENT FROM A MULTIDISCIPLINARY APPROACH I. Ortiz Betancourt, M.C. Meza Téllez, L. López Castro, P. Villar Sánchez	9759
STUDENTS' INCREASED AUTONOMY AND MOTIVATION TO LEARN ENGLISH THROUGH FLIPPED LEARNING A. Bouali	9764
OPPORTUNITIES OF COLLABORATIVE INNOVATION IN THE PUBLIC SECTOR: EMPIRICAL FINDINGS FROM THE PRIVATE SECTOR PERSPECTIVE J. Ojasalo, J. Kähäri	9772
EDUCATIONAL COMPETENCE IN GERIATRIC CLIENTS WITH REGARD TO SELECTED ISSUES M. Vostrý	9778
TURNINGPOINT: INTERACTIVE POLLING MADE EASY M. Moss	9783
THE DIGITAL OPPORTUNITY – DIGITAL RESOURCES AND THEIR IMPACT ON STUDENT OUTCOMES A. Rustom, I. Van Gelderen	9784
FAMILY AND CHILDREN WITH DISABILITIES A. Hanáková, E. Urbanovská	9785
STUDENT ATTITUDES TO THE USE OF THE FLEXILEVEL TEST IN MOBILE ASSESSMENT CONTEXTS A. Pyper	9790
EDUCATION IN PERSPECTIVE OF PUPILS WITH DISABILITIES E. Urbanovská, A. Hanáková	9799
LIFELONG LEARNING THROUGH TAAS P. Berg	9810
THE CLOUD GENERATION IS GOING TO COLLEGE ARE YOU READY? J. Casap	9811
A GLOBAL REVOLUTION GOES TO SCHOOL: THE MAKER MOVEMENT S. Martinez	9812
FLIPPING YOUR FACE-TO-FACE CLASSROOM A. Karadeniz	9819
INCLUSION OF STUDENTS WITH SPECIAL NEEDS IN PRIVATE SCHOOLS IN KUWAIT: CHALLENGES THAT FACE SCHOOL ADMINISTRATORS A. Alansari	9827
LEARNING A FOREIGN LANGUAGE: A DOOR OPENED FOR STEM EDUCATION M.R. Freeman Suarez, I. Ramirez Berdut, P. Ramirez Gueton, P. Virira Moyo	9835
A GUIDEBOOK FOR SELF-DIRECTED LEARNING M.R. Freeman Suarez, I. Ramirez Berdut, P. Ramirez Gueton	9843
INNOVATING FROM THE CLASSROOM D. Rivera, C. Ortiz, M. Punin, G. Coronel	9848
COMMUNICATING IN ENGLISH ABOUT HISTORY TOPICS. A NEW PROPOSAL AT CUBAN UNIVERSITIES	9867
I. Ramirez Berdut, O. Hernandez Basulto, M.R. Freeman Suarez, R. Macias Sera, M. Jongore	0075
LEARNING CONTRACTS TO TEACH PGDTE STUDENTS AT BINDURA UNIVERSITY OF SCIENCE EDUCATION: AN EXPERIENCE TO VALUE I. Ramirez Berdut, M.R. Freeman Suarez, L. Kusure, P. Moyo	9875
A METACOGNITIVE INSTRUCTIONAL APPROACH AND SELF-REFLECTION: REFLECTIVE PRACTICE FROM A COMPUTER SCIENCE PERSPECTIVE D.F.O Onah, E.L.L. Pang, J.E. Sinclair	9882

THE EFFECT OF LEARNING CONTEXT ON THE EFFICACY OF A LITERACY INTERVENTION PROGRAM AMONG 7TH GRADE ARABIC SPEAKING PUPILS: COMPUTERIZED VS. PRINT B. Makhoul	9889
CULTURAL ENTREPRENEURSHIP WITH SOCIAL IMPACT REMOTE INTERACTIVE EXPERIENCE MEXICO - SWEDEN J. Cortés Vásquez, L. Mattiasson, K. Scott	9890
MOBILE VIRTUAL PRESENCE IN CIVIL ENGINEERING EDUCATION AND TRAINING P. Ziolkowski	9895
THE IMPORTANCE OF THE RESEARCH UNIVERSITIES ON THE INNOVATION DEVELOPMENT G. Sart, E. Saridoğan	9902
UNDERSTANDING RESEARCH STRATEGIES TO IMPROVE RESEARCH UNIVERSITIES IN TURKEY G. Sart, E. Saridoğan	9903