INTED2015 TABLE OF CONTENTS

TRAINING EMPATHY IN THE UNIVERSITY FOR THE BUSINESS WORLD J. Vidal Garcia, M.E. Vidal Garcia	1
DIGITAL TECHNOLOGICAL PROFILE OF FUTURE BRAZILIAN TEACHERS A. Grunewald Nichele, E. Schlemmer	9
E-LEARNING IN CLINICAL ENVIRONMENT: A NEW PARADIGM IN THE QUALITY OF HEALTHCARE V. Henriques	15
HIGHER EDUCATION IN THE ECONOMY OF KNOWLEDGE N. Orloev, H. Beloev, M. Iliev, Y. Vassilev, K. Uzunov, P. Boneva	19
FLIPPING THE ONLINE CLASSROOM L. Carver, E. Omann, C. Todd	27
EDUCATIONAL TECHNOLOGY AND ITS IMPACT IN HIGHER EDUCATION L. Carver, E. Omann, C. Todd	32
SEVEN YEARS OF EDUCATIONAL ROBOTICS IN NORTH – EAST OF ITALY: OUTCOMES AND WORKS IN PROGRESS S. Monfalcon, V. Bisoffi, F. Finotti, N. Fava	36
LEARNING STYLES AND USE OF TECHNOLOGIES IN THE TECHNICAL TRAINING. TEACHING EXPERIENCE AND LEARNING ACHIEVEMENT S. Contreras, J. Torres, L. Lippi	42
INTERACTION BETWEEN UNIVERSITY PROFESSORS, STUDENTS AND MUNICIPALITY REPRESENTATIVES FOR IMPROVING ENERGY EFFICIENCY IN REAL ESTATES - NEW PEDAGOGICAL APPROACH A. Sinkko	49
SOCIAL STUDENT RELATIONSHIP MANAGEMENT IN HIGHER EDUCATION: EXTENDING EDUCATIONAL AND ORGANISATIONAL COMMUNICATION INTO SOCIAL MEDIA L. Oliveira	56
EMOTIONAL DEVELOPMENT, CREATIVITY AND HAPPINESS IN THE INITIAL TRAINING OF TEACHERS P. Caballero García, M.J. Carretero Cenjor, P. Fernández Palop	66
A FRAMEWORK FOR GLOBALISATION IN EDUCATION TO PROMOTE LIFELONG LEARNING D. Dabbous	75
USING NEW TECHNOLOGIES IN PROBLEM BASED LEARNING EXPERIENCES OF TRAINEE TEACHERS Z. Gadušová, A. Hašková	82
TECHNICAL EDUCATION – CINDERELLA IN A TECHNOLOGY-BASED SOCIETY? A. Hašková	90
DEVELOPMENT OF A WEB-BASED APPLICATION AS A TOOL TOWARDS CONTINUOUS EDUCATION IN NEUROANATOMY B. Guimarães, M. Arantes, M. Severo, M.A. Ferreira	99
MONETIZATION METHODS FOR EDUCATIONAL GAMES M.I. Dascalu, R. Bitoleanu, A. Moldoveanu, G. Dragoi	104
"COMPARTILHA": A SHARING SOCIAL NETWORK IN SPECIAL NEEDS AIMING TO EMPOWER PARENTS AND EXPERTS P. Santos, O. Tymoshchuk, T. Sousa, M. Almeida	112
CREATING ADVANCED QUIZZES USING MOODLE I.M. Escobar Garcia, C. Suárez, A. Rojas, S. Maffey, S. Llorens, A. Nájera, E. Arribas Garde, A. Belendez	119
'TANGLED IN THE NET': SOCIAL AND EMOTIONAL NETWORKS OF LEARNERS C. Martínez Priego, S. Antropova	127
E-SKILLS IP – MASTERING THE 21ST CENTURY SKILLS A. Loureiro	132
THE SYSTEM OF MANAGING ONLINE INTELLIGENCE TESTS IN IDENTIFYING INTELLECTUALLY GIFTED STUDENTS S.F. Mohd Yassin, N.S. Mohamad, N. Mohd Ishak	141
USING ONLINE E-LEARNING TO INVIGORATE UNIVERSITY ENGLISH CLASSES A. Brasier, S. Cother	148

THE ONLINE ASSESSMENT SYSTEM FOR PERMATAPINTAR SCHOOL HOLIDAY PROGRAM	155
N.S. Mohamad, S.F. Mohd Yassin, N. Mohd Ishak, M.Z. Esrati, M.M. Mohd Saali	
ASSESSING RESEARCH COMPETENCES OF TRAINEE TEACHERS (ELEMENTARY SCHOOL) O. Smolyaninova, E. Bezyzvestnykh	164
PROBLEM BASED LEARNING AS PART OF AN INTERNATIONAL PROJECT OF COLLABORATION R. Reichman	171
ENHANCING WORKPLACE READINESS USING PADLET: SHARING THE MALAYSIAN CLASSROOM EXPERIENCE N.A. Abdullah, A.S. Nizam, A. Abd. Rashid, W. Wahi, A.Z. Mansor	176
CHALLENGES OF DEVELOPING, EVALUATING AND MANAGING AN INTERNATIONAL PROGRAM ON LIFE LONG LEARNING R. Reichman, R. Sofer, H. Videgor	177
CREATING INTERSECTIONS OF LIFE AND LEARNING: REDEFINING LIFE-LONG LEARNING J. Findlay	178
DEVELOPING A VOCABULARY APP FOR EMIRATI EFL LEARNERS: THE LEXICAL CURRICULUM M. Bowles	183
VISUAL ARTS IN EDUCATION, VA.E A PROJECT FOR CREATIVITY DEVELOPMENT AND INTELLIGENCE THROUGH "VISUAL THINKING" S. Carrascal, E.T. López	184
DEVELOPING A VOCABULARY APP FOR EMIRATI EFL LEARNERS: APP PROTOTYPING AND DEVELOPMENT M. Bowles	185
RETOS TIC. DIDACTIC APPROACH TO DEVELOP BASIC ICT SKILLS IN HIGH SCHOOL STUDENTS G.P. González Alarcón, M. Ávila Quintana	186
HANDHELD DEVICES IN THE CLASSROOM - BRIDGING THE GAP BETWEEN A FUNCTIONALISTIC AND COMMUNICATIVE APPROACH TO FOREIGN LANGUAGE LEARNING T. Talmo, T.M. Thorseth, K. Arnesen	196
STRATEGIES TO IMPROVE THE END OF MASTER'S PROJECT S. Carrascal, M. Espada	206
BARRIERS TO LEARNING AMONG MIDDLE AND HIGH SCHOOL STUDENTS V. Khamis	207
MULTIPROFESSIONAL COLLABORATION IN PROJECT WORK A. Eskelinen, C. Saarikivi	212
EXPECTATION AND REALITY: INSIDE AN EDMODO EFL CLASSROOM <i>R. Sandu</i>	219
TEACHING COMPLEX TECHNICAL TERMS TRANSLATION AT THE UNIVERSITY A. Gainutdinova, O. Palutina, N. Latypov	226
ENHANCING COMPETENCES IN ENGINEERING STUDIES THROUGH CONTINUOUS IMPROVEMENT ACTIONS F. Julián, F.X. Espinach, M. Alcalà, A. Bikfalvi	230
CONTEMPORARY SCHOOL CURRICULAR REFORM IN THE CZECH REPUBLIC AS A TYPE OF EDUCATIONAL CHANGE: DESCRIPTIVE AND COMPARATIVE VIEW OF SELECTED PROCESS ISSUES AND MILESTONES D. Vrabcová	240
THE TEACHING OF THE CLASSICS IN THE TECHNOLOGICAL AGE R. Tammaro, A. Petolicchio	248
THE USE OF INTRODUCTORY VIDEOS INCREASES STUDENT INTEREST IN LABORATORY CLASSES S. García-Marco, J. Novillo, A. Obrador, D. González, L. Sánchez	254
LEARNING TO LIVE WITH CONTINUOUS EMOTIONAL DIFFICULTIES: SELF-REFLECTIVE ACCOUNTS OF 7 JAPANESE LEARNERS OF ENGLISH IN THE U.S K. Ohata	260
REVISITING CONTEMPORARY NOTIONS OF EDUCATION AND GLOBALIZATION J. Botting, M. Jacobsen	270

ENGAGING LEARNING EXPERIENCE? TRY GAMIFICATION ON TRENDING TOPICS! GAMIFICATION IN HIGHER EDUCATION: CASE STUDY AT IE BUSINESS SCHOOL R. Alvarez, J.M. Esteves Sousa, J. Curto Diaz	277
BLENDED LEARNING IN A MIDDLE EAST GRADUATE CLINICAL PHARMACY PROGRAM - STUDENT PERSPECTIVES K. Wilbur, A. Taylor	286
QUALITY ASSESSMENT AND IMPROVEMENT OF A BLENDED LEARNING DOCTOR OF PHARMACY PROGRAM IN THE MIDDLE EAST K. Wilbur, A. Taylor	287
DEVELOPMENT AND INTRODUCTION OF A HIGH TECHNOLOGY PRACTICAL SESSION FOR THE IMPROVEMENT OF ANALYSIS TECHNIQUES FOR MASTER STUDENTS IN PLANT SCIENCES I. Andújar, S. Vilanova, A. Fita, M. Plazas, A. Rodríguez-Burruezo, P. Gramazio, S. Soler, F.J. Herráiz, D. Borràs, M. R. Figàs, E. Moreno, M.D. Lerma, J. Prohens	288
TEACHERS AND NUTRITIONISTS' CONSIDERATIONS ABOUT THE NUTRITION EDUCATION PROGRAMS IN CHILDREN BETWEEN 9 TO 12 YEARS OLD TO PROMOTE HEALTHY EATING HABITS E. Oliver, A. Cebolla, T. Nilsen, A. Gonzalez-Segura, E. de la Cruz, R. Baños	295
MANAGEMENT CHALLENGES IN HIGHER EDUCATION: NEW PROPOSALS FROM EXPERIENTIAL MARKETING LITERATURE REVIEW G. Aparicio, J. Forcada, A. Lafuente-Ruiz-de-Sabando, P. Zorrilla Calvo	297
MEAL PROJECT: MODIFYING EATING ATTITUDES AND ACTIONS THROUGH	307
LEARNING E. Oliver, A. Cebolla, A. Dominguez, A. Gonzalez-Segura, E. de la Cruz, S. Albertini, L. Ferrini, K. Kronika, T. Nilsen, R. Baños	
PERFORMANCE-BASED COMPETENCY REQUIREMENTS FOR STUDENT TEACHERS: A VALIDATION STUDY P. Hunt, Ä. Leijen, L. Malva, B. Slof, M. van der Schaaf	309
TEACHING STUDENTS HOW TO SOLVE COMPLEX ENGINEERING PROBLEMS BY USING DECISION MAKING APPROACHES: VALUE ANALYSIS J.T. San-José, R. Sancibrian, J.M. Blanco, E. Rojí, I. Marcos, M.I. Larrauri	318
HOW TO FEEL "IN LOVE" WITH MATH – A MOOC EXPERIENCE A.P. Lopes, F. Soares, I. Vieira	326
SCHOLARSHIP OF TEACHING AND GOOD PRACTICES (THE STUDENTS' PERSPECTIVE) M.M. Pinheiro	334
COLLABORATIVE PLATFORMS IN TECHNOLOGICAL CONTEXTS IN HIGHER EDUCATION: THE STUDENTS' VIEW D. Simões, M.M. Pinheiro	345
ENHANCING EDUCATIONAL ENVIRONMENT BY SUPPORTING STUDENT LEARNING K. Al Harthy, A. Zameer, D. Bino	354
THE EFFECT OF ACTIVITY-BASED TEACHING METHOD IN ELECTRIC CIRCUITS M.P. Rankhumise	362
ALLEVIATING ALTERNATIVE CONCEPTIONS AND CONCEPTUAL DIFFICULTIES IN GRADE 10 MECHANICS M.P. Rankhumise	371
INDUSTRY COLLABORATION AND HIGHER EDUCATION INSTITUTIONS: EXPERIENCES IN WORKING COLLABORATIVELY IN EXECUTIVE EDUCATION CURRICULUM DESIGN AT A HIGHER EDUCATION INSTITUTION IN IRELAND A. Burke, J. Kearns	372
DEVELOPING THE DEVELOPERS - SUPPORTING DEVELOPMENT OF ONLINE CONFERENCE PRESENTATIONS L. Robson	381
MAKING EBOOKS ADAPTIVE A. Dingli, C. Cachia	387
BECOME A CEO: ROLE PLAYING IN ACTION J. Andreu, X. Cardona	396
IMPLEMENTATION OF INTERNAL QUALITY ASSURANCE IN HIGHER EDUCATION INSTITUTION IN SAUDI ARABIA: INVESTIGATION WITH A FOCUS ON TWO CASE STUDIES N. Al-Zahrani	403

QUALI-QUANTITATIVE APPROACH IN EDUCATIONAL RESEARCH A. Marzano, R. Vegliante, M. De Angelis	405
METHODOLOGICAL DIMENSION OF EDUCATIONAL ASSESSMENT A. Marzano, M. De Angelis, R. Vegliante	413
THE LINK BETWEEN SOCIAL CAPITAL, PSYCHOLOGICAL EMPOWERMENT AND JOB SATISFACTION: A CASE OF TEHRAN GOVERNOR M. Shariatmadari, M. Khosrobeigi	420
BEHIND VIDEO LECTURES IN A MOOC F. Soares, A.P. Lopes, I. Vieira	435
METHODOLOGICAL STRATEGIES FOR THE ACQUISITION OF COMPETENCES IN ANALYTICAL CHEMISTRY LABORATORY CLASSES M. Sánchez-Paniagua López, E. Rodríguez-Rodríguez, J.P. Hervás-Pérez, B. Martín-Fernández, C.L. Manzanares Palenzuela	441
LESSON IN A SUPERMARKET - AN EXPERIENCE ON EDUCATION FOR NON-FORMAL SPACES A. da Silva Fontes, F. Peres Ramos, M. Corci Batista, S. Marcos Pilatti, C. Cargnin, M. Augusto da Silva Fontes, D. Vieira	449
FLIP AND GO WITH A+ FLASHCARDS PRO AND QUIZLET! I. Dolci	458
SHOWBIE – A GREAT WAY TO SIMPLIFY YOUR TEACHING ENVIRONMENT! R. Colestock	459
ESTACIO WORLD CUP: A BRIEF ANALYSIS OF A PEDAGOGICAL PRACTICE IN THE LEGAL EDUCATION USING WEB 2.0 INTERFACES H. Rangel	460
INDUSTRIAL DESIGN: STRATEGIES TO ENHANCE PERFORMANCE AND PROMOTE CAREER ADVANCEMENT IN ACADEMIC SUBJECTS RELATED TO PROTOTYPING F. Felip Miralles, J.L. Navarro Lizandra, S. Martín Martín	468
ANALYSIS OF ASSESSMENT OF STUDENTS IN SUBJECTS THAT ARE COMPLETED WITH AN EXAM IN MASTER OF PUBLIC HEALTH PROGRAM M. Panczyk, A. Zarzeka, J. Belowska, Ł. Samoliński, J. Gotlib	477
BIBLIOMETRIC EVALUATION OF SCIENTIFIC LITERATURE IN THE AREA OF RESEARCH IN EDUCATION USING INCITES™ DATABASE OF THOMSON REUTERS M. Panczyk, M. Woynarowska-Sołdan, J. Belowska, A. Zarzeka, J. Gotlib	487
UNDERSTANDING CONCEPT OF TIME THROUGH AN INTERACTIVE TIMELINE M. Fernández Pérez, M.L. Lázaro y Torres	497
INTEGRATING GLOBAL AWARENESS INTO HIGHER EDUCATION CURRICULUM M. Lagrimas	506
MAKING CLINICAL DECISIONS IN A VIRTUAL WORLD R. Gurbutt, D. Gurbutt, G. Morris, N. Nowlan, M. Morley, E. Riesen, S. Ogilvie	507
JOINING THE ONLINE BANDWAGON? THE EFFICACY OF ELECTRONIC ASSESSMENT MEASURES S. Sayed	517
BLENDED LEARNING RESOURCE DEVELOPMENT – A PRODUCTION LINE MODEL R. Gurbutt, J. Lay, K. Stevenson	518
STUDENTS' ATTITUDE TOWARD NATIVE, NATIONAL OR FOREIGN LANGUAGES' USE IN TEACHING AND LEARNING IN PRIVATE DENTAL FACULTY L. Abdulhadi, H. Mohammed	527
USING ADVANCED INTERACTIVE LEARNING TOOLS TO IMPROVE EFFICIENCY OF SOFTWARE USAGE LEARNING M. Dečman	536
ACCESS AND USE OF INFORMATION AND COMMUNICATION TECHNOLOGY BY ANALYTICAL CHEMISTRY STUDENTS OF PHARMACY DEGREE E. Rodríguez-Rodríguez, M. Sánchez-Paniagua López, J.P. Hervás-Pérez, B. Martín-Fernández, C.L. Manzanares Palenzuela	543
PRONUNCIATION LEARNING STRATEGY USE: A STUDY ON JAPANESE UNIVERSITY STUDENTS OF ENGLISH AS A SECOND LANGUAGE M. Toyama, T. Sugawara	550
UNIVERSITY BUSINESS ENGLISH LEARNERS AND THEIR NEEDS B. Klimova	560
A SUMMARY APPROACH TO THE TEACHING OF WRITING B. Klimova	565

EXAMINING THE CORRELATION BETWEEN DISCIPLINE PREFERENCE AND SENSORY MODALITY PREFERENCE C. Sereni-Massinger, N. Wood	569
SELECTING AN E-PORTFOLIO USING THE SECTIONS MODEL: FINDINGS FROM A TWO PLATFORM PILOT J.P. Egan, A. Blake, A. Sisley, L. Bye, M. Honey, D. Marshall, R. Booth, M. Barrow	575
SIGNIFICANCE OF GENERIC COMPETENCES IN THE ENGINEERING FIELD A. Carrasco García, F. Mata Cabrera	584
A PLATFORM FOR SHARING EXPERTISE AND GOOD PRACTICE IN UNIVERSITY CHEMISTRY TEACHING B. Byers, N. Brouwer, I. Maciejowska, A. Smith	594
LEARNING THROUGH INTERPROFESSIONAL EDUCATION: STUDENTS' PERCEPTION OF AN IPE MODULE C. Goodwin	601
SPEAKING THEIR LANGUAGE. REVIVING THE TEACHING OF FOREIGN LANGUAGES IN SECONDARY SCHOOLS IN MALTA. THE LANGUAGE PROFICIENCY ASSESSMENT NATIONAL PROJECT M. Pace	609
IDENTIFYING GIFTEDNESS WITHIN TRADITIONALLY UNDERREPRESENTED GROUPS OF STUDENTS IN THE USA N. Pomortseva, T. Kolabinova	618
WORKPLACE ACCOMMODATIONS FOR PEOPLE WITH DISABILITIES IN ITALY E. Zappella	626
NURTURING THE RESEARCH CULTURE IN AN EFL CONTEXT P. Kiatkheeree	633
USING METACOGNITION TO ENGAGE IN DIFFERENCE AND TO DEEPEN LEARNING W. Davi, D. Spelman, E. Avery	642
EDUCATION INFRASTRUCTURE FOR PROJECT-BASED LEARNING IN SOFTWARE ENGINEERING	643
J.A. Moreno Ruiz, I.M. Aguila Cano, J.R. García Lázaro, J.J. Cañadas Martinez THE USE OF A SOCIAL MEDIA APPLICATION WITHIN AN UNDERGRADUATE NURSING PROGRAMME J. Willemse	651
DEVELOPING ONLINE LEARNING WITH THE 'RIPPLE EFFECT' R. Ferriday	652
INNOVATIVE LECTURE CAPTURE R. Ferriday	657
INTERNET BASED SURVEYS: HOW CAN THEY BE UTILIZED TO RESEARCH IN EDUCATION? K. Al Balushi	662
NEGOTIATED ASSESSMENT OF EFL TEACHER CANDIDATES THROUGH ONLINE DISCUSSIONS I. Ünaldı, M. Bardakçı	671
A CASE STUDY ON TRANSFORMING A FACE-TO-FACE SESSION INTO AN ONLINE SESSION AT THE SCHOOL OF HOTEL AND TOURISM MANAGEMENT J. Wu, L. Zhou	678
PRODUCTION OF EDUCATIONAL AUDIOVISUAL MATERIALS BY STUDENTS USING BLACKBOARD COLLABORATE I. Domínguez, J. Torreblanca, J. Moreno, M.L. Orta, S. Mateos, A. Velasco, J.M. Guerrero, I. Sánchez	683
DEVELOPING KNOWLEDGE MANAGEMENT SKILLS AMONG MALE AND FEMALE LECTURERS FOR CAPACITY BUILDING IN UNIVERSITIES IN SOUTH-EAST, NIGERIA C. Ukala, C. Madumere-Obike, I. Nwachukwu	689
GAMIFICATION: FROM THE COMMUNICATION AND EDUCATIONAL TECHNOLOGY TO CRITICAL AND CREATIVE THINKING S. Rubín	699
ANDROID APPS FOR EDUCATION: AN INTERNATIONAL COLLABORATION K. Scott, S. Sengsri, R. Tyson, B. Gonzales, P. Sanchindapong, P. Prompraphai, S. Tengkew	707
TOWARDS AN UNDERSTANDING OF THE DISTINCTIVE NATURE OF L2 LISTENING COMPREHENSION SKILL M. El-Dali, S. Boudelaa	718

SCHOOLS TODAY AND IN THE FUTURE – TEACHERS' AND SCHOOL ADMINISTRATIVE PERSONNEL'S VIEWS OF MUNICIPAL SCHOOLS M. Piispanen, R. Valli, M. Meriläinen, P. Valli	727
HOW TO DEVELOP A FLIPPED TEACHING APPROACH IN A BUSINESS SCHOOL? ILLUSTRATION WITH CLICKSTRAT APPLICATION <i>P. Mora</i>	736
E-MENTOR: THE DEVELOPMENT OF THE TEACHERS' COMPETENCES AND ABILITIES CONCERNING THE ICT AND THE EDUCATIONAL MENTORING OF THE DISABLED D. Mara	745
WIDGET BASED LEARNING TO DEVELOP MEANINGFUL COMPREHENSION IN MATH AND SCIENCE COURSES F. Delgado-Cepeda, R.D. Santiago Acosta, M.L. Quezada Batalla	750
AN INTERDISCIPLINARY APPROACH TO LABORATORIES AT THE SCHOOL OF ENGINEERING C. De Castro	759
RAISING ENGLISH FOR SCIENCE AND TECHNOLOGY STUDENTS' AWARNESS OF SPECIFIC LANGUAGE FEATURES THROUGH TECHNOLOGY-ENHANCED LEARNING: THE CASE OF NOMINAL GROUPS IN SCIENTIFIC ENGLISH A.L. Rubio Moreda	766
EDUCATIONAL COMPUTER CARD GAMES ACROSS DISCIPLINES DURING THE LAST DECADE A. Gousiou, M. Kordaki	776
FEMALE FACULTY AT GREEK COMPUTING DEPARTMENTS: 2003-2012 I. Berdousis, M. Kordaki	785
SCHOOL ON THE CLOUD: A SPANISH PERSPECTIVE I. Buzo Sánchez, R. De Miguel González, M.L. Lázaro y Torres	793
DESIGNING LEARNING ENVIRONMENTS THROUGH INSPIRATION, INNOVATION AND CREATIVITY J. Gauci	802
DENTAL STUDENTS' PREFERENCE OF DEMONSTRATION MODEL IN TECHNICAL, SIMULATION AND CLINICAL TRAINING SESSIONS L. Abdulhadi, H. Mohammed	807
M-HEALTH MOBILE APP USABILITY TESTED WITH ENGINEERING STUDENTS F. Aparicio Galisteo, M. Cruz Gaya, M. De Buenaga, D. Gachet	816
MANAGEMENT OF MULTIDISCIPLINARY TEAMS IN E-LEARNING. A CASE STUDY M.T. Villalba de Benito, E. Ropero Moriones, G. Ferrari	825
INTEREST IN THE SCIENTIFIC AND TECHNOLOGICAL KNOWLEDGE IN SECONDARY EDUCATION. PERCEPTION OF PRESERVICE TEACHERS M.J. Hernandez-Serrano, A. Barrón Ruíz, A.V. Martín García, J.M. Muñoz Rodríguez	835
DIGITAL EDUCATIONAL GAME FOR OLDER ADULTS: "LIVE WELL, LIVE HEALTHY!" L. Sauve, L. Renaud, D. Kaufman, E. Duplàa	842
PROJECT-BASED LEARNING APPLIED TO SOCIAL PROJECTS TO HELP TEEN PREGNANTS AND MOTHERS AT RISK OF SOCIAL EXCLUSION M.T. Villalba de Benito, P. Lara Bercial, A. Herreros Miguel	852
COMMUNITY REPORTERS IN SCIENCE AND TECHNOLOGY. NEW INNOVATION PROJECT IN STEM EDUCATION A. Barrón Ruíz, M.J. Hernandez-Serrano, A. García Del Dujo, M. González Sánchez	859
INCLUSIVE EDUCATION OF FOREIGN STUDENTS IN ITALY M. De Angelis, A. Marzano, A. D'Alessio	867
TEACHING EVALUATION TO IMPROVE STUDENT LEARNING M. De Angelis, A. Marzano, A. D'Alessio	872
TOWARDS A TYPOLOGY FOR UNDERSTANDING MOBILE PHONE VICTIMISATION IN SOUTH AFRICAN HIGH SCHOOLS S. Lusinga, M. Kyobe	878
DEFICIENT LEARNING STRATEGIES: A SIGNIFICANT BARRIER FOR PERSEVERING IN POST-SECONDARY EDUCATION L. Sauve, A. Fortin, C. Viger, F. Landry	894
UNDERGRADUATE STUDENTS' ROLE IN SPREADING AND CONTROLLING THE ASSESSMENT SYSTEM	903
M.P. Álvarez Vázquez, C. Sanz Miguel, Z. Ji, T. Vázquez Osorio, J. García Seoane	

ASSESSING STRATEGIES USED TO CREATE AND IMPLEMENT COMMUNITIES OF PRACTICE WITH THEIR HUMAN CAPITAL IN TODAY'S WORKPLACE B. Barrett	912
ENGLISH AND ANATOMY INTEGRATED LEARNING A. Angulo Jerez, E. Ausó Monreal, J.V. García Velasco	913
TEACHING FINANCE TO FOREIGN STUDENTS: A NEW METHODOLOGICAL APPROACH S. Bekareva, E. Meltenisova	920
THE RELATIONSHIP BETWEEN MOTIVATION AND FLIGHT PERFORMANCE IN COMBAT PILOT TRAINING AS A PROFESSIONAL-LIFELONG EDUCATION I. $Da\breve{g}l\iota$	926
A FLIGHT TRAINING METHOD AND A CASE STUDY ON UNMANNED AIRCRAFT VEHICLES' PILOTS M.K. Kartal	931
DIFFERENTIATED INSTRUCTION IN PRIMARY SCIENCE CLASSES – STUDENT TEACHERS' EXPERIENCES I. Timoštšuk, G. Ennist	938
DYNAMIC ACADEMIC EVALUATION THROUGH GAMIFICATION, WITH A NEW IN CLOUD APPLICATION OF IN CLASSROOM RESPONSE FOR MOBILE DEVICES WITH INTERNET ACCESS	945
J. Del Pino, P. Moyano, F.J. Mourin, M.J. Anadon, M.J. Diaz, M.A. Capo, M. Lobo, J. García, M.T. Frejo	
CLICKER SYSTEM OF EVALUATION: NEW METHOD FOR REAL-TIME CONTINUOUS ASSESSMENT OF LAW DEGREE STUDENTS P. Moyano, J. Del Pino, F.J. Mourin, M.J. Anadon, M.J. Diaz, M.A. Capo, M. Lobo, J. García, M.T.	950
Frejo	
THE UNIVERSITY'S R&D INSTITUTES AS A NEW EDUCATIONAL APPROACH T. Trencheva, S. Denchev	951
COLLABORATIVE ENGINEERING IN DISTANCE UNIVERSITY MASTER'S DEGREE L. Romero, I. Domínguez, M.M. Espinosa, M. Domínguez, M. Jiménez	958
ANALYSIS OF UNIVERSITY SUCCESS DEPENDING ON THE INFRASTRUCTURE OF THE UNIVERSITY AND THE STUDENT'S DEGREE PREPARATION IN THEIR ACCESS L. Romero, M. Romero, M. Jiménez, M.M. Espinosa, M. Domínguez	968
THE REPRESENTATION AND THE PUBLIC UNDERSTANDING OF SCIENCE IN PONTO UFMG ITINERANT MUSEUM T. Margarida Lima Costa, L. Mucci Poenaru	975
CONTEXTUAL MODEL OF LEARNING IN SCIENCE MUSEUMS – AN EXPERIENCE IN PONTO UFMG ITINERANT MUSEUM T. Margarida Lima Costa, R. Alves Ferreira Almeida	976
BRIDGING THE GENDER GAP THROUGH CAPACITY BUILDING AMONG MALE AND FEMALE TEACHERS IN SECONDARY SCHOOLS FOR QUALITY EDUCATION DELIVERY	982
C. Madumere-Obike, C. Ukala, A. Nwabueze	000
COMPETENCES AND LEARNING OUTCOMES. HOW TO FACE WITH THIS NEW CHALLENGE M.A. Martínez, M. Martínez, E. Ramos, A. Romero, V. Castellanos, I. Ares	992
ONLINE SURVEYS FOR EVALUATION AND SATISFACTION IN EXTRACURRICULAR ACTIVITIES	993
M.A. Martínez, M. Martínez, E. Ramos, A. Romero, V. Castellanos, I. Ares	
EMPLOYING ICT FOR PROFESSIONAL DEVELOPMENT OF NEXT GENERATION TEACHER EDUCATORS: AN INDIAN EXPERIENCE R. Khambayat	994
ADDRESSING SKILLING & YOUTH EMPLOYABILITY: AN INDIAN PERSPECTIVE R. Khambayat	1005
CAN MOODLE BE USED FOR STRUCTURAL GAMIFICATION? H. Pastor, R. Satorre, R. Molina, F.J. Gallego, F. Llorens	1014
THE RESEARCH POSTER AS AN ACADEMIC TEXT A. McNeill	1023
STUDENTS FREQUENTLY ASK: 'YES BUTWHAT IS THE UTILITY OF PHYSICS?' A. García-Yeguas, C.J. González, A. Vázquez, M. Piñero, J.L. Cárdenas-Leal, M.L. de la Rosa, J.J. Muñoz-Perez	1024

FAST TRACKING DIRECT LEARNING ASSESSMENT OF PROGRAM OUTCOMES WITHIN ACADEMIC PROGRAMS VIA THE LEVERAGING OF A RESEARCH TRAINING GRANT THAT DEPLOYS A CONTINUING PROFESSIONAL EDUCATION RUBRIC MODEL R. Lum, S. Marquez, S. DeVose	1030
LIFELONG LEARNING THROUGH E-LEARNING IN EUROPEAN PRISONS: RETHINKING DIGITAL AND SOCIAL INCLUSION A. Monteiro, R. Barros, C. Leite	1038
MORE THAN BUTTON PRESSING, ACTIVE LEARNING TECHNIQUES FOR DIGITAL MEDIA T. Emma, J. Hounshell	1047
THE END OF DEGREE PROJECT IS NOT THE END IT IS THE BEGINNING A. Crespo, N. Lorenzo, I. Álvarez	1055
FACILITATORS' VIEWS AND EXPERIENCES OF TEACHING OLDER ADULTS TO USE ICT B. Muniandy, Z. Samsudin	1060
WHY DO OLDER ADULTS LEARN TO USE ICT: A MALAYSIAN CASE STUDY B. Muniandy, Z. Samsudin	1065
CALCULUS IN THE BOLOGNA PLAN: ASSESSMENT AND EDUCATIONAL QUALITY M.E. Sánchez-Oreja, J.M. Antón, A.M. Tarquis	1071
"MADRE CORAJE" AND EDUCATION FOR DEVELOPMENT (ED): A COLLABORATIVE EXPERIENCE IN A VIRTUAL LEARNING ENVIRONMENT J.A. Pineda-Alfonso, N. de Alba-Fernández	1078
BEYOND THE CLASSROOM WITH DATA VISUALIZATION, INDOOR POSITIONING, AND THE MOBILE EXPERIENCE K. Parker, L. Kuykendall, D. Jones	1085
A SHIFT FROM FACE TO FACE TEACHING TOWARDS BLENDED LEARNING TO ENHANCE LEARNING OUTCOMES IN THE CONTEXT OF TEACHING FRENCH AS A FOREIGN LANGUAGE A. Khara	1096
TELECOLLABORATION AND INTERCULTURAL COMMUNICATIVE COMPETENCE N. Saba 'Ayon, S. Whitehead	1104
CAN WORK SOCIO-ENVIRONMENTAL ISSUES IN THE PRIMARY CLASSROOM? A STUDY WITH TEACHERS IN INITIAL TRAINING O. Moreno-Fernández	1105
YOUNG RESEARCHERS IN THE CLASSROOM: AN EXPERIENCE OF EDUCATIONAL INNOVATION IN THE DEGREE OF SOCIAL EDUCATION O. Moreno-Fernández, P. Moreno-Crespo	1110
UNIVERSITY TEACHING ASSESSMENT QUESTIONNAIRE IN THE BLENDED CLASSROOM (CEPU – BLENDED CLASSROOM)—A PSYCHOMETRIC STUDY OF ITS QUALITIES C. San Luis, I. Cañadas, E. Vila, I. Cuétara	1115
EDUCATIONAL INCLUSION OF CHILDREN FROM BILINGUAL FAMILIES - PEDAGOGICAL IMPLICATIONS R. Petani, M. Karamatić Brčić, T. Baždarić	1116
STUDENTS' UNDERSTANDING OF LINEAR REGRESSION C. Capilla	1127
THE ROLE OF STATISTICAL SOFTWARE IN TEACHING DATA ANALYSIS C. Capilla	1137
INCORPORATING DESIGN-BASED LEARNING ENGINEERING EXPERIENCES IN SECONDARY SCIENCE SUBJECTS IN QATAR H. Loutfy, Y. Osman, A. Najjar, M.A. Soufah, A. Abd, S. Moussa, M. Selim, M. Daey, G. Haleem, T. Kerr, G. Salama, B. Ahmed	1145
DERIVATIVE WORKS IN COPYRIGHT LAW, THEIR CULTURAL AND ECONOMIC DIMENSION E.A. Ahmeti	1154
LARGE SCALE FLIPPED PROGRAMMING COURSES N. van Diepen, R. Chung, R. Holwerda, L. Tijsma, J. Treffers, K. van Turnhout, R. Bakker	1162
BLENDED LANGUAGE LEARNING USING MOODLE: ANALYZING THE DESIGN OF A UNIVERSITY TURKISH COURSE AS A MODEL FOR OTHER LANGUAGES D. Azarvad Shechter	1169

TEXT MINING Q&A WEBSITES FOR SUPPORTING COURSE DESIGN AND CURRICULUM DEVELOPMENT IN HIGHER EDUCATION A. Joorabchi, M. English, A.E. Mahdi	1170
SCIENTIFIC RESEARCH AND ITS POPULARIZATION AS MOTIVATIONAL TOOL FOR THE EDUCATIONAL PROCESS R. Guerrero-Moreno, E. Oviedo, D. Mejia, M. Hallack	1179
COMBINING A RANGE OF WEB-BASED TECHNOLOGIES AND SERVICES TO SUPPORT AN UNDERGRADUATE ENGLISH LANGUAGE COURSE R. Hawking	1187
ENHANCING QUALITY ASSURANCE AND BEST PRACTICE CONTRIBUTION IN TEACHING THROUGH PEER REVIEW: SELF- REFLECTIVE EXPERIENCE K.K. Tha	1197
THE CONTRIBUTIONS OF E-BOOKS AND LIBRARIANS TO READING FLUENCY EDUCATION D. Parrott	1204
USING APPS TO BRAINSTORM FOR AND OUTLINE ESSAYS: A STUDY IN HOW MULTIMODALITY CAN INCREASE MOTIVATION AND ENHANCE LEARNING FOR WRITING STUDENTS IN AN ENGLISH COMPOSITION CLASSROOM M. Andrew	1209
METHODOLOGICAL STRATEGY TO ENHANCE THE INTEREST IN DRAWING A. Horno López	1218
IMPACT OF TECHNOLOGICAL EDUCATION ON DEVELOPMENT J. Puthenkalam	1223
THE ATTITUDE OF STUDENTS OF DIFFERENT CULTURES TO BARRIERS TO LEARNING IN FOREIGN HIGHER EDUCATION INSTITUTIONS: CASE OF LITHUANIA AND PAKISTAN J. Vveinhardt, R.R. Ahmed, E. Stonkute	1230
DEVELOPING A MODEL FOR MEASURING ESTONIAN EFL LEARNERS' LANGUAGE LEARNING STRATEGIES K. Saks, Ä. Leijen, K. Täht	1241
GIFTED LEARNERS IN LEBANON: THE CASE OF A LOCAL LEBANESE SCHOOL M. Alameddine	1248
COLLABORATIVE FILTERING RECOMMENDATION SYSTEM: A FRAMEWORK IN MASSIVE OPEN ONLINE COURSES D.F.O. Onah, J.E. Sinclair	1249
MASSIVE OPEN ONLINE COURSES – AN ADAPTIVE LEARNING FRAMEWORK D.F.O. Onah, J.E. Sinclair	1258
INTEREST AND READINESS TOWARDS BLENDED LEARNING: A COMPARISON BETWEEN STUDENTS AND INSTRUCTORS IN SAUDI ARABIA L. Al-Sharqi, K. Hashim	1267
SERVICES TO ATTEND STUDENTS WITH SPECIAL NEEDS AT UNIVERSITIES D. Gallardo-Vázquez, M.I. Sánchez-Hernández, M.L. Pajuelo-Moreno	1276
A PILOT STUDY OF PERSONALITY GROUPING IN ONLINE DISCUSSION ACTIVITY $S.Y.\ Wu$	1286
THREE EXPERIMENTS OF LEARNING BY EXAMPLES J.P. Becar, J.C. Canonne, E. Cartignies, M. Fratu, A. Fratu, M. Iwanowski, W. Czajewski	1293
CLOUD INFRASTRUCTURE FOR VIRTUALIZING LABORATORY COMPUTERS R.P. Prado, P.J. Reche López, J.E. Muñoz Exposito, S. García Galán, L.R. López López	1303
FACTORS AFFECTING COMPUTER-ASSISTED LANGUAGE LEARNING IN SAUDI ARABIA CLASSROOMS A. Alresheed, M. Leask	1308
A PEER REVIEW SYSTEM FOR THE INTERNAL BUSINESS ORGANISATION AND MANAGEMENT EXAMINATIONS OF THE UNIVERSITY OF ZARAGOZA BUSINESS ADMINISTRATION AND MANAGEMENT DEGREE M. Fernández Olmos, J.M. Baéz, C. Garcés, E. Giner	1317
USING THE RESEARCH AS A STRATEGY FOR CHILDHOOD'S TEACHER ACADEMIC TRAINING J.A. Pineda-Alfonso, M. Puig-Gutiérrez	1322
BREAKING PERSISTENT WORKING GROUP PARTNERSHIPS: A SOCIAL EXPERIMENT C. Calafate, I. Arlandis, A. Torres	1329

USING FUZZY COGNITIVE MAPS FOR SELECTING COMPLEMENTARY SUBJECTS IN A PROFESSIONAL ACCREDITED MASTER – MASTER IN FORESTRY ENGINEERING J. Solana-Gutiérrez, G. Rincón-Sanz, C. Alonso-González, M.P. Arraiza Bermúdez-Cañete	1338
METHODOLOGIES FOR TEACHING AN ENGINEERING SUBJECT IN DIFFERENT COUNTRIES: COMPARISON AND RESULTS	1339
M.G. Neves, S. Fontul, M. Miguez, S. Solari, F. Pedocchi, L. Teixeira, M. Navarro-Pons, C. Ramos-Amaya, J.J. Muñoz-Perez	
EXPLORING THE ACADEMIC AND INSTRUCTIONAL BENEFITS OF THE ARTS IN TEACHING AND LEARNING: A RESEARCH AND EVALUATION MODEL M. Stallions	1347
USING THE E-PORTFOLIO FOR LARGE GROUPS OF STUDENTS S. Domínguez-García, M.I. Garcia-Planas, R. Palau Martín, J. Taberna Torres	1352
CLOUDY WITH A CHANCE OF DATA STORAGE: DATA AND SYSTEMS MIGRATION ON THE WEB D. Parrott, K. Julian	1361
EVALUATING AN E-PORTFOLIO FOR A LINEAR ALGEBRA COURSE USING RUBRICS S. Domínguez-García, M.I. Garcia-Planas, R. Palau Martín, J. Taberna Torres	1366
TYPOLOGY OF HOUSING IN TEACHING ARCHITECTURE J. Pallado	1373
THE USE OF BUSINESS GAMES IN TRAINING SPECIALISTS FOR TOURISM INDUSTRY G.N. Kutepova	1378
THE CHANGING FACE OF INTRODUCTORY STATISTICS IN U.S.A. BUSINESS SCHOOLS: A MOMENT OF RECONSIDERATION AND OPPORTUNITY B. Gandhi	1382
CHANGING TIMES, CHANGING ABILITIES, CHANGING ATTITUDES: WEAVING DISABILITY INTO THE FABRIC OF THE DIVERSITY AGENDA K. Julian, J. Abdelnour	1388
SIMULATIONS FOR SURGICAL EDUCATION: A CASE STUDY FOR ENDONEUROSURGERY M. Berker, N. Cagiltay, I. Isikay	1394
MEANINGFUL LEARNING FROM CREATING TO CURATING: AN EXPERIMENT IN THE TEACHING OF PERFORMING ARTS Y. Tsai, K.J. Tsang, K.S. Wang	1401
PROBLEMS OF ENDONEUROSURGERY EDUCATION: A CASE STUDY IN TURKEY N. Cagiltay, M. Berker, E. Ozcelik	1410
TOWARDS DYNAMIC EXPERT AGENTS FRAMEWORKS WITHIN THE CLOUD ENVIRONMENT TO ENHANCE EDUCATIONAL RESOURCES O. Al Qadoori	1421
PRE-EVALUATION OF BASIC MATHEMATICAL SKILLS IN THE FIRST YEAR OF BUSINESS STUDIES A.M. Martin-Caraballo, A.F. Tenorio, C. Paralera-Morales	1428
DESIGN DISCIPLINES AND PRACTICE: THE TRANSITION FROM DESIGN IDEATION TO PRODUCT K. Julian, J. Abdelnour	1434
A SERIOUS GAME RAISING AWARENESS AND EXPERIENCE OF DEPRESSION M. Plechawska-Wojcik, J. Rybka	1437
BUILD YOUR OWN SPEECH-ENABLED ONLINE CALL COURSE, NO EXPERIENCE REQUIRED	1445
M. Rayner, C. Baur, P. Bouillon, C. Chua, N. Tsourakis CHALLENGES AND PROSPECT OF LARGE-CLASS – SIZE IN STUDENTS ASSESSMENT AS A MEASURE FOR QUALITY ASSURANCE IN TERTIARY INSTITUTIONS IN NIGERIA	1455
C.I. Enunwah, A.M. Akwa THE BLENDED LEARNING APPROACH TO UNDERSTANDING REAL ESTATE	1461
L.Y. Lim STUDENT PATHWAYS OF DISCOVERY: DETERMINING HOW THE BUILT	1462
ENVIRONMENT MAY AFFECT ENVIRONMENT OF CARE IN DESIGN SOLUTIONS J. Abdelnour, K. Julian	1402
A NEW VERIFICATION SYSTEM FOR "VERIFIED CERTIFICATE MOOCS" M. Labayen, R. Vea, J. Flórez	1469

LINGUISTIC AND CULTURAL ADAPTATION OF A COMPUTERIZED EHEALTH EDUCATION INTERVENTION FOR PERSONS WITH CHRONIC ILLNESS R. Jacobs, J. Caballero	1473
IDENTIFICATION OF AREAS OF DIFFICULTY IN TEACHING UNIVERSAL BASIC EDUCATION (UBE) MATHEMATICS IN SOUTH-SOUTH NIGERIA C.I. Enunwah, J.B. Ejue, P.O. Abiam, V. Ntui	1481
UNIVERSITY QUALITY PLANS. A TEMPORAL EVOLUTION STUDY OF THE OCCUPATIONAL RISK PREVENTION MASTER INDICATORS IN THE MIGUEL HERNANDEZ UNIVERSITY A. Cardona Llorens, M.J. Prieto-Castelló, L.M. Ivorra Vilaplana, L. Pitaluga Poveda, D. Marhuenda Amorós	1488
INFORMATION AND COMMUNICATION TECHNOLOGIES IN SCHOOLS AND IN VICTORIAN & AUSTRALIAN CURRICULUM DOCUMENTS D. Chambers, N. Reynolds	1492
AMBIENT CULTURE IN 21ST CENTURY URBAN EDUCATIONAL ENVIRONMENTS: AN EXPLORATION OF AWARENESS, LEARNING, OPENNESS, AND ENGAGEMENT H. P. McKenna	1502
BRIDGING THE DIGITAL DIVIDE: A CASE STUDY IN INTERNATIONAL SERVICE LEARNING C. Matheus, K. Gaugler, K. Heubner, C. Hill	1513
LEARN IN THE CLOUD: HOW PRE-SERVICE TEACHERS GET THE IDEA? E. Salman, H. Salman, N. Yousef	1522
IMPLEMENTATION OF AN ACTIVITY FOR THE INTEGRATION OF ROOM, LABORATORY AND COMPUTER PRACTICE FOR CHEMISTRY STUDENTS IN THE PHARMACY GRADE: EVALUATION AND ACTIONS FOR IMPROVEMENT G. Barandika, J. Beitia, I. Ruiz de Larramendi, L. Fidalgo	1531
ACADEMIC RESULTS DERIVED FROM THE IMPLEMENTATION OF AN ACTIVITY FOR CHEMISTRY STUDENTS IN THE PHARMACY GRADE: INTEGRATION OF ROOM, LABORATORY AND COMPUTER PRACTICE G. Barandika, J. Beitia, L. Fidalgo, I. Ruiz de Larramendi	1537
MACHINE DESIGN TEACHING ENHANCEMENT PROJECT M. Hynek, M. Grach, J. Bezděková, P. Votapek	1542
RITES OF PASSAGE: A STEPPING STONE TOWARDS TOLERANCE IN AN EDUCATIONAL CONTEXT C. Van Kerckhove, C. De Kock	1547
LEARNING-ORIENTED EVALUATION SYSTEM APPLIED TO A UNIVERSITY STATISTICS COURSE M.J. Rosales Moreno, M.D. Huete Morales, J.M. Quesada Rubio, E. Navarrete Álvarez, M.J. Del Moral Ávila	1551
THE LEARNING OF ARCHITECTURAL CONSTRUCTION BETWEEN THE CLASSROOM AND THE REALITY V. Blasco, Á. Mas, C. Lerma, E. Gil, J. Vercher, F. Cubel, Q. Angulo, M. Galiana, M.E. Torner	1561
LEARNING ADVANTAGES OF NEW ANALYSIS OF STRUCTURES IN SMARTPHONES E. Gil, J. Vercher, Á. Mas, C. Lerma, A. Almerich, F. Cubel	1570
DESIGNING "SMART" STUDENT ASSESSMENT: LESSONS LEARNED FROM AN ARTS-INTEGRATED EARLY LITERACY MODEL L. Murrill, M. Stallions	1578
E-INVIGILATION OF E-ASSESSMENTS S. Ketab, N. Clarke, P. Dowland	1582
AN EDUCATIONAL ONLINE TOOL FOR THE INITIAL ASSESSMENT OF SKILLS NEEDED FOR THE FINAL-YEAR PROJECT C. Dumitrache, N. Calet, J.A. González	1592
A LOOK AT DIGITAL LITERACY IN THE PORTUGUESE CONTEXT A. Monteiro, L. Lima, C. Leite	1597
ASSESSMENT OF THE MIGUEL HERNANDEZ UNIVERSITY MASTER'S DEGREE IN OCCUPATIONAL HEALTH RISK PREVENTION L.M. Ivorra Vilaplana, A. Cardona Llorens, D. Marhuenda Amorós, L. Pitaluga Poveda, M.J. Prieto-Castelló	1598
DESIGN OF A DIDACTIC UNIT TO BE ADAPTED TO A BILINGUAL PROGRAM IN VOCATIONAL TRAINING L. Pitaluga Poveda, L.M. Ivorra Vilaplana, M.J. Prieto-Castelló, D. Marhuenda Amorós, A. Cardona Horens	1601

BLENDED LEARNING, AN APPROPRIATE APPROACH IN NANO SCIENCE AND TECHNOLOGY EDUCATION FOR IN-SERVICE TEACHER TRAINING Z. Mehraban	1604
QUALITY ASSURANCE IN INTERNATIONAL MASTER'S PROGRAMS - EXAMPLES FROM A TURKISH-GERMAN COOPERATION C. Schmidt	1610
STANDARDS OF JOURNALISM EDUCATION – AN INTERNATIONAL COMPARATIVE STUDY IN THE CONTEXT OF MEDIA AND DEVELOPMENT C. Schmidt	1611
HOW DO STUDENTS OF AGRICULTURAL ENGINEERING PERCEIVE RESEARCH? P. Martí, M. Gasque, P. González-Altozano	1619
COOPERATIVE LEARNING METHODOLOGIES FOR THE INTRODUCTION TO THE MANAGEMENT OF THE FIRM'S INFORMATION SYSTEMS B. Forés, A. Puig, M. Boronat-Navarro, S. Ferrer, R. Lapiedra	1625
THE USE OF QUIZLET FLASHCARD SOFTWARE AND ITS EFFECTS ON VOCABULARY RECALL Y. Ersoy, Z. Kocoglu	1630
GLOBAL COMPETENCES IN CHEMICAL EDUCATION BY SYSTEMS APPROACH T. Celestino, F. Marchetti	1635
IMPACT OF WHATSAPP MESSENGER APPLICATION AMONG BUSINESS STUDENTS IN MALAYSIA	1643
N.A. Hashim, N. Mat, N.L. Abdullah THE FEMALE NUDE: A DIDACTIC ALTERNATIVE FOR THE HISTORY OF ART	1652
V.M. Pérez Guerrero	
INTEGRATED INFORMATION SYSTEM FOR UNIVERSITY MANAGEMENT - SUPPORT FOR STUDY PROGRAMS PERFORMANCE MEASUREMENT O. Aleca, F. Mihai, P. Năstase	1659
HOW TO BENEFIT FROM EDMODO TO IMPROVE LISTENING AND READING IN EFL LABS AND CLASSES M. Kocak	1669
IMAGE DIAGNOSIS TRAINING IN ENDODONTICS C. González Losada, A. Saralegui Calvo, P. Saralegui González	1670
STUDENT'S ACADEMIC PERFORMANCE IN ROMANIA. CASE STUDY AT THE BUCHAREST UNIVERSITY OF ECONOMIC STUDIES F. Mihai, M. Roman, O. Aleca, P. Năstase	1678
INVESTIGATING REFLECTIVE PRACTICE FROM THE PERSPECTIVES OF EFL TEACHERS IN AL BURAIMI UNIVERSITY COLLEGE IN OMAN I. Al Khalidi	1688
HIERARCHICAL DATA BASE CREATED UPON SEMANTIC NET FOR PROJECT-BASED LEARNING REALIZED LIKE AN ONTOLOGY E. Smirnova, M. Shpak, V. Syuzev, A. Karpenko	1699
SELECTING A PHP FRAMEWORK FOR A WEB APPLICATION PROJECT - THE METHOD AND CASE STUDY A. Zurkiewicz, M. Miłosz	1702
CITIZENSHIP EDUCATION IN THE SPANISH CURRICULUM E. Navarro-Medina, N. De-Alba-Fernández	1713
STUDENT ASSESSMENT OF THE USE OF ACTIVE METHODOLOGIES AND THEIR RELATIONSHIP WITH THE DEGREE OF COMPETENCE ACQUISITION M.H. Vila Suárez, C. Ayán, J.M. Cancela	1719
THE USE OF SOCIAL NETWORKS AS DIFFUSION PLATFORMS FOR E-PORTFOLIOS C. García-García, J. Galán Serrano, R. Izquierdo Escrig, A. Muñoz Torre, M.C. Pesudo Chiva	1724
ADAPTING THE TEACHING OF STATISTICS FOR HEALTH SCIENCES A.V. Garcia Luengo	1732
FLIPPED LEARNING METHODOLOGY APPLICATION IN GRAPHIC DESIGN C. García, J. Galán Serrano, D.J. Díaz García, R. Izquierdo Escrig, A. Rodríguez Boado	1738
CAN THE CONTENTS SEQUENCE OF THE TRADITIONAL TEXTBOOKS BE RECONSTRUCTED? M. Ferreras-Listán	1746
THE CONCEPT OF HERITAGE IN ANDALUSIAN TEXTBOOKS FOR NATURAL, SOCIAL AND CULTURAL KNOWLEDGE: SOME QUESTIONS ANALYSED M. Ferreras-Listán	1752

READSPEAKER TEXTAID - THE STUDENTS PERSONAL ONLINE READING AND STUDYING ASSISTANT N. Bergstrom	1759
TEACHING INQUIRY WITH MYSTERIES INCORPORATED R. Peleg, D. Katchevich, M. Yayon, R. Mamlok-Naaman, J. Dittmar, P. McOwan, P. Childs, T. Sherborne, J. Jordán, M. Carpineti, M. Giliberti, C. Olivotto, S. Correia, I. Eilks	1765
PREP4DIT – A MOBILE APPLICATION FACILITATING TRANSITION FOR INTERNATIONAL STUDENTS N. Bermingham, M. Prendergast	1771
TEACHER EVALUATION IN SAUDI SCHOOLS: THE USE OF E-PORTFOLIO E. Alharthi, J. Woollard	1782
PROBLEM – BASED LEARNING IN ISLAMIC EDUCATION: A CASE STUDY OF SECONDARY EDUCATION IN THE KINGDOM OF BAHRAIN A. Alzayed	1789
BABIES PLAYING WITH APPS: CONSIDERATIONS FOR THEIR DESIGN AND USE M. Morante, N. Rodriguez, M. Costa	1797
THE DEVELOPMENT OF REFLECTIVE TEACHING SKILLS OF PRE-SERVICE HIGHER SCHOOL TEACHERS N. Moskvicheva, S. Kostromina	1806
DEVELOPMENT OF PROFESSIONAL SKILLS OF MARINE ENGINEERING GRADUATES BY USING COMPUTER-AIDED DESIGN TOOLS A. Pintilie, M.G. Chitu, T. Popa	1815
NEW TEACHING METHODS FOR STUDENTS USING SIMULATORS T. Popa, O.S. Cupsa, M.G. Chitu	1826
IEDUCARTS: EDUCATIONAL INNOVATION PROJECT TO WORK ON INTERDISCIPLINARY ARTS EDUCATION A.M. Botella-Nicolás, R. Fernández-Maximiano, X. Mínguez-López, S. Martínez-Gallego	1833
DESIGN AND APPLICATION OF A RUBRIC FOR THE ASSESSMENT OF PRACTICAL SESSIONS LEARNING IN AGROCHEMICAL AND FOOD ORGANIC CHEMISTRY M.V. Gil Álvarez, V. Luque Agudo, M.J. Arévalo Caballero, J. Delgado Adámez	1840
A COMPARATIVE APPROACH TO VOCATIONAL EDUCATION AND TRAINING POLICIES IN SPAIN: THE TRADITIONAL PATTERN OF SKILL FORMATION VS DUAL SYSTEM J. Delgado Adámez, M.V. Gil Álvarez, M.S. Delgado Adamez, M.E. Bote Serrano	1844
ANALYTIC FRAMEWORKS FOR UNDERSTANDING THE STUDENT EXPERIENCE IN FLEXIBLE ONLINE UNDERGRADUATE PROGRAMS N. Parker	1848
ALIGNING TEACHING AND LEARNING APPROACHES AND ASSESSMENT METHODS TO ENHANCE THE QUALITY OF HIGHER DESIGN EDUCATION F. Guo, J. Finlay	1859
A MODEL TO RECOMMEND BEST CLASSIFIER AMONG DIFFERENT MACHINE LEARNING ALGORITHMS FOR AN INTERACTIVE LEARNING ENVIRONMENT A.F. Hegazy, S. Hassan	1867
ENDRETS. GEOGRAFIA LITERÀRIA DELS PAÏSOS CATALANS, AN EDUCATIONAL LITERARY EXPERIENCE FROM THE UNIVERSITY OF VIC-CENTRAL UNIVERSITY OF CATALONIA A. Gifreu-Castells	1878
INTERACTIVE PROPOSALS FOR "LA MARATÓ DE TELEVISIÓ DE CATALUNYA". USING EDUCATIONAL INTERACTIVE PLATFORMS IN CATALAN SCHOOLS A. Gifreu-Castells, P. Arcas	1888
EVOLUTION OF ASYNCHRONOUS DISCUSSION BASED ONLINE GRADUATE COURSES TO COMPREHENSIVE STUDENT EXPERIENCE WITH LIVE INSTRUCTION COMPONENTS J. Krive	1898
FACILITATING JAPANESE SECONDARY SCHOOL EFL STUDENTS' AWARENESS OF THEIR CAPACITY TO BE AUTONOMOUS LEARNERS R. Yamamoto, A. Ikeda, M. Choja, E. Saito, M. Kondo, Y. Ishikawa, J. Smith	1904
ENERGISING THE HIGHER EDUCATION SYSTEM IN AFRICA FOR PROMOTING SUSTAINABLE ENERGY DEVELOPMENT TAILORED TO LOCAL CONTEXT E. Colombo, J. Barbieri, A.G. Manzato, F. Mapelli, A.V. Ramayya, G. Shunki	1910

COMMUNICATIVE LANGUAGE TEACHING AND EUROPEAN EDUCATIVE PROGRAMMES AS A RESOURCE L.M. Miñarro Lopez, A. Carrasco García	919
·	926
	1935
THE IMPACT OF PROJECT-BASED LEARNING TECHNOLOGY ON THE DEVELOPMENT OF STUDENTS' COMMUNICATIVE COMPETENCE L. Darinskaya, G. Molodtsova	939
PARENTS' READINESS FOR SOCIAL PARTNERSHIP WITH TEACHERS S. Kostromina, N. Moskvicheva	948
CHALLENGES OF TRAINING TOMORROW'S TEACHERS TO ADAPT TO TECHNOLOGICAL-PEDAGOGICAL CHANGES T. Seifert, Z. Zelkovich	957
A DEVELOPMENT OF PROFESSIONAL LEARNING COMMUNITY OF PRACTICE TO ENHANCE PRACTICAL COMMUNITY USING ICT FOR INSTRUCTION OF BASIC EDUCATION TEACHERS S. Insa-Ard, T. Netwong	1968
EMPOWERING ESL STUDENT TUTORS' LEARNING MOTIVATION AND SPEAKING PERFORMANCE THROUGH COMMUNITY SERVICE PROJECT N. Ismail, S. Elias, D. Ratan Singh	977
A STUDY OF MEMORY STRATEGIES FOR VOCABULARY LEARNING C. Velica	982
CHALLENGES OF LEARNING FULLY ONLINE COURSES IN SCIENCE N. Najami, A. Fattum, E. Salman	1993
IN SEARCH OF OPTIMAL STRUCTURE OF ONLINE COURSES P. Oreski, I. Rajci	2004
FINANCIAL TRAINING AND EDUCATION THROUGH MULTIDISCIPLINARY SEMINARS ON CONTRACT LAW C. Callejo Rodriguez	2012
ACCESSIBILITY AND PERSONALIZATION. THE LITERACY PROJECT AND THE UNIVERSAL DESIGN APPROACH E. Gyarmathy	2018
DEVELOPING STUDENT'S COMMUNICATION SKILLS AT FOREIGN LANGUAGE CLASSES IN THE RF O. Babenko, D. Sabirova	2024
DEVELOPMENT OF AN ECODESIGN METHODOLOGY FOR RECYCLABLE TEXTILE 20 COVERINGS A. Schröter, U. Rübsam, T. Schlüter, Y.S. Gloy, G. Seide, T. Gries	2030
v	2036
ONLINE CERTIFIED KNOWLEDGE MULTILEVEL NETWORK PROPOSAL F.J. Naharro, C.M. Gascueña	2045
OPEN ACCESS EDUCATION AT THE UNIVERSITY OF TASMANIA: MOOCS AND BEYOND N. Brown, L. Padgett, C. Bossu	2054
	2062
PLAYING AS THE BASIC FORM OF ACTIVITY OF THE PRE-SCHOOL CHILD A. Klim-Klimaszewska	2068
FORMING A HEALTHY LIFESTYLE ATTITUDE IN PRE-SCHOOL EDUCATION A. Klim-Klimaszewska	2071
DESIGN OF CONCEPTUAL MAPS FOR MASSIVE OPEN ONLINE COURSES (MOOCS) X. Barrachina, J.A. Conejero, C. Jordán, M. Murillo-Arcila	2074
	2079

THE BENEFITS OF UNIFYING GRADUATE TEACHING ASSISTANT TRAINING FOR ONLINE TEACHING	086
R. Lum, M. Killen, F. Cornelius, A. Grant, L. Marion, S. Sutcliffe, V. Brace, S. Perkel	
COMICS AND LITERACY: A DYNAMIC DUO. A REVIEW OF A LITERACY INTERVENTION USING COMICS WITH KINDERGARTEN CHILDREN IN THE UAE R. J. Albon)92
PROFESSIONAL PLANS AND CAREER EXPECTATIONS OF STEM-TRAINING AREAS MASTERS L. Bannikova, L. Boronina, D. Ronzhina	102
	110
· · · · · · · · · · · · · · · · · · ·	119
APPROACH	124
A. González Martín, A. Minasowicz, F. Herreruela García, J. González López, J. Rosłon, M. Fernández Marín, M. Książek, P. Nowak	
EXPERIENCES OF COMBINING DOCTORAL STUDIES AND EVERYDAY FAMILY LIFE M. Maunula	135
SOILS	141
S. García-Salgado, J.C. Salazar Calderón, R. Torralba Marco	
SCALE ON THE QUALITY OF LITERATURE LISTS (SQUALL): QUICK QUALITY CHECK FROM THE USER PERSPECTIVE S.B. Linek	148
USABILITY EVALUATION OF DIGITAL LIBRARIES: OFFLINE AND ONLINE ASSESSMENT COMPARED S.B. Linek	158
A HOLISTIC, INCLUSIVE LEARNING INTERVENTION FOR PREVENTING EARLY SCHOOL LEAVING AND FOSTERING FAMILY, SCHOOL AND COMMUNITY INVOLVEMENT H. Tsalapatas, R. Alimisi, D. Koutsaftikis, O. Heidmann	167
·	175
PIONEERING IN ENGINEERING COURSES FOR FEMALE STUDENTS IN TECHNICAL EDUCATION M. Alseddiqi 21	176
STUDENTS WITH DISABILITIES AT SPANISH UNIVERSITIES: DATA AND ANALYSIS OF THE ACCESS TO HIGHER EDUCATION E. Solera, S. Gutiérrez, J.M. García	184
PUBLIC FUNDING IN R&D PROJECTS: OPPORTUNITIES FOR COMPANIES L. Cuenca, A. Boza	194
AN INFORMATION LITERACY APPROACH WITHIN THE "GUIDED WEEKLY REFLECTION PAPERS" G. Quintanilla, J.L. Copa-Patiño, A. Guerrero, M. González-Santander, N. Hernández, S. Arias, M.I. Domínguez, M.A. Peña	200
	207
	216
A PEDAGOGICAL EVALUATION OF ACCESSIBLE SETTINGS IN GOOGLE'S ANDROID AND APPLE'S IOS MOBILE OPERATING SYSTEMS AND NATIVE APPS USING THE SAMR MODEL OF EDUCATIONAL TECHNOLOGY AND AN EDUCATIONAL MODEL OF TECHNICAL CAPITAL S. Hayhoe	220

A METHODOLOGICAL APPROACH TO LINK THEORY AND THE INDUSTRY APPLICATIONS OF A BIOTECHNOLOGY SUBJECT N. Rojo, G. Gallastegui, A. Elías, G. Ibarra, A. Barona	2229
LEARNING ACTIVITIES: LINKING THEORY AND INDUSTRIAL APPLICATIONS N. Rojo, E. Acha, A. López-Urionabarrenetxea, A. Elías	2235
THE SUSTAINABILITY OF PERSONAL LEARNING ENVIRONMENTS REGARDING 21ST CENTURY SKILLS H. Altinpulluk, M. Kesim	2241
ENRICHMENT PROGRAM FOR A STUDENT WITH HIGH INTELLECTUAL ABILITIES IN PRIMARY SCHOOL M.C. Zamora Urrea, R. Serrano Urrea, M.J. García Meseguer	2248
DEVELOPMENT OF AN INSTRUMENT TO MEASURE STUDENTS' ACCEPTANCE OF TECHNOLOGICALLY-ENHANCED PERSONAL, ACADEMIC AND PROFESSIONAL DEVELOPMENT PORTFOLIOS E. Ahmed, R. Ward	2255
PAST AND FUTURE OF GAMIFICATION IN THE LEARNING OF ENGLISH AS A FOREIGN LANGUAGE V. Osma-Ruiz, I. Argüelles Álvarez, N. Sáenz-Lechon, J. Gutiérrez-Arriola, R. Fraile, C. Villar-	2266
Miguélez, I. Guerrero-Vaquerizo	22-4
MANY HANDS MAKE LIGHT WORK: COLLABORATIVE CLIL ACTIVITIES FOR UNIVERSITY COURSES IN MEDIEVAL FUNERARY ARCHAEOLOGY L. Cignoni, G. Fornaciari, A. Fornaciari	2271
VARIATION OF FUNCTIONAL DESCRIPTIONS OF A PRODUCT AS A SOURCE OF CREATIVITY AND INNOVATION: EXPERIENCES IN ENGINEERING DESIGN EDUCATION K. Hain, C. Rappl	2280
PRACTICAL SESSION FOR THE DEGREE PROGRAM OF AGRICULTURAL ENGINEERING. USING SOIL VOLUMETRIC HUMIDITY PROBES AS A TOOL TO SUPPORT IRRIGATION SCHEDULING P. González-Altozano, P. Martí, M. Gasque	2288
MOOC FOR ICT IN TEACHER TRAINING – REFLECTIONS ABOUT PEOPLE, PROCESS AND TOOLS T. Hjeltnes, S.A. Horgen	2294
DESIGNING A COURSE IN ECONOMETRICS FOCUSED ON THE FINAL DEGREE PROJECT IN ECONOMICS M. Arrazola, J. de Hevia, I. Perrote, R. Sánchez	2305
BUILDING A LEARNING COMMUNITY IN THE VOCTEL PROJECT A. Bell, L. Emanuel	2308
A MASSIVE OPEN ONLINE COURSE ABOUT CALCULUS OF PROBABILITY A. Arnal, J. Castelló, C. Galindo, P. Gregori, V. Martínez, J. Momparler, M. Sanchis	2314
ACTIVE METHODS OF TEACHING AND LEARNING: IMPROVING PERCEPTION OF SPACE GEOMETRIC M.J. Casati, J.L. Perez-Benedito, J.J. Rua	2321
WHAT MOTIVATES STUDENTS TO USE ONLINE CALL SYSTEMS? A CASE STUDY C. Baur, M. Rayner, N. Tsourakis	2331
FOSTERING DIMENSIONS OF SELF-DETERMINATION THEORY BY MODERATE CONSTRUCTIVIST DESIGNED E-TUTOR TRAINING PROGRAMS S. Niedermeier, M. Sailer, R. Schätz, H. Mandl	2339
LEARNING FRENCH LANGUAGE AND DELF EXAMINATION IN "PRE FRANCE PREPARATION ENGINEERING PROGRAM": A PRE- REQUISITE TO FURTHER STUDY IN FRANCE J. Othman, M. Zirour	2349
A COORDINATION EXPERIENCE FOR IMPROVING INDUSTRIAL DESIGNERS PROFILE OF COMPETENCES M.J. Agost, E. Mulet	2357
VIRTUAL INTERNSHIP AND EMPLOYABILITY: AN EXPERIMENT OF VIRTUAL INTERNSHIP IN SCHOOL ON INTERNET ASIA S. Supanimittrakul	2364
THE IMPACT OF DIGITAL REVOLUTION ON THE COMPETENCES OF BUSINESS INFORMATION TECHNOLOGY STUDENTS IN UNIVERSITY J. Soitinaho, H. Palviainen	2374

ADAPTABILITY AND EVOLVABILITY TAUGHT AT SCHOOL FOR FACING THE FUTURE WORLD MARKET C. De Castro	2383
MEDICAL STUDENTS' PERCEPTION OF THE DEPLOYMENT OF INTERACTIVE WHITEBOARDS FOR PROBLEM BASED LEARNING D. Scherly, A. Baroffio Barbier, B. Cerutti	2392
CORE VALUES AND PREFERRED PEDAGOGY C. Todd, C. Maddox, E. Omann, M. Carver	2396
PRODUCING EDUCATIONAL RESOURCES AND COMPETING FOR THEM: A PROJECT (CONTEST) LAUNCHED AT THE UNIVERSITY OF DEUSTO (SPAIN) FOR STUDENTS FROM THE PRIMARY EDUCATION DEGREE A. Arruti	2400
THE EDUCATION OF A BUSINESS ADMINISTRATOR AND THE CHALLENGE OF PROFESSIONAL COMPETENCE C.R. Oliveira, E.J. Ribeiro Santos	2411
HOW TO SURVIVE PAEDIATRIC RADIOGRAPHY: INVOLVING YOUNG PEOPLE AS SERVICE USERS IN THE DESIGN AND DELIVERY OF A PAEDIATRIC RADIOGRAPHY WORKSHOP FOR FINAL YEAR RADIOGRAPHY STUDENTS M. Ellwood, N. Crohn	2419
REMOTE WORKSHOP IN THREE-DIMENSIONAL VIRTUAL CHEMICAL LABORATORY N. Papulovskaia	2420
TEACHERS OPINION ON COMPETENCES TO BE ACQUIRED BY DEGREE STUDENTS ON NATURAL AND LANDSCAPE RESOURCES MANAGEMENT AND ORGANISATION M.J. Linares Cabrera, R. Quijano López, M. Pérez Ferra	2425
EVOLVING TOWARDS SUCCESS: ONE PROGRAM'S JOURNEY TO IMPROVEMENT THROUGH PERSONAL CONNECTIONS A. Divinsky, W. Rose	2432
USING PLAGIARISM DETECTION TOOLS IN ORDER TO CONTROL GROUP WORK SUBMISSIONS IN LARGE COURSES R. Matos, A. Sousa	2438
NEW WAY FOR INCREASE COOPERATION FIELD BETWEEN UNIVERSITIES O. Sedlak, J. Birovljev, Z. Ciric, H. Eva	2444
FACEBOOK AT THE TIME OF "DIGITAL NATIVES": TEACHING SPANISH THROUGH SOCIAL NETWORKS F. Di Gesù	2451
CIBERESPAÑOL: THE SPANISH LANGUAGE ON THE INTERNET F. Di Gesù	2460
MENTORSHIP - A LOST RESOURCE WITHIN HIGHER EDUCATION? J. Lindström, M. Nordell	2467
PROBLEM BASED LEARNING IN ENGINEERING EDUCATION. FUNDAMENTALS AND RESULTS OF AN EXPERIMENTAL APPROACH IN A CHEMICAL DISCIPLINE G. León Albert, J.I. Moreno, J.A. Fernández López, B. Miguel Hernández, J.A. Cascales Pujalte	2474
CMC IN FRENCH L2 ORAL COURSES FOR ADULTS A. Jebali	2484
DESIGN AND IMPLEMENTATION OF A SOFTWARE FOR THE TRAINING AND REAL- TIME ASSESSMENT OF MUSICAL INTONATION AT MUSIC EDUCATION INSTITUTIONS M. Perez-Gil, J. Tejada, R. Morant, A. Perez-Gonzalez de Martos	2485
WORKING WITH ADULT LEARNERS AND USING TRANSFORMATIONAL LEARNING C. Gibaldi	2494
TEMPORAL EVOLUTION OF PERCEIVED QUALITY RESULTS OF ONLINE TEACHING OF THE MASTER'S DEGREE IN OCCUPATIONAL RISK PREVENTION OF MIGUEL HERNANDEZ UNIVERSITY M.J. Prieto-Castelló, D. Marhuenda Amorós, L. Pitaluga Poveda, L.M. Ivorra Vilaplana, A. Cardona Llorens	2497
DEVELOPMENT OF A VIRTUAL LABORATORY OF PHYSICS BASED ON VIDEO ANALYSIS WITH TRACKER J.A. Molina Bolivar, F. Galisteo González	2501
POSTGRADUATE TEACHER EDUCATION IN CANADA (A GLANCE FROM RUSSIA) S. Bodnar, N. Pomortseva	2506

INNOVATION, IMPACT AND QUALITY: THE IMPORTANCE OF ALIGNMENT A. Rodríguez Garcia, E. Cavieres Rebolledo, J. Chahuan Chahuan, W. Fernández	2513
INTEGRATING ALUMNI ENGAGEMENT WITH A CUSTOMER RELATIONSHIP MANAGEMENT (CRM) SYSTEM FOR HIGHLY EFFECTIVE UNDERGRADUATE STUDENT RECRUITMENT D. Parks	2521
IDENTITY AUTHENTICATION: TOOLS TO LEGITIMIZE IDENTITIES IN DISTANCE LEARNING D. Kassner	2522
UNIVERSITY SOCIAL RESPONSIBILITY: A MODELLING FRAMEWORK FOR STUDENT BASE ANALYSIS M.I. Sánchez-Hernández, D. Gallardo-Vázquez, M.L. Pajuelo-Moreno	2523
RELATIONAL ACTION: ANTHROPOLOGY FOUNDATIONS. INFORMACTION EXPERIENCE F. Maroldi, R. Mura	2531
HOW TO USE RESPONSIBLE FEEDBACK AND PERSONAL DEVELOPMENT JOURNALS TO ABATE PLAGIARISM IN ONLINE EDUCATION L. Morales, N. Stukalo	2541
E-SOTERIC LEARNING? WHEN TECHNOLOGY AND HUMANITY ARE BLENDED: TEACHING SPIRITUALITY ELECTRONICALLY. PERSPECTIVES FROM AN AFRICAN MEGA-UNIVERSITY C. Lombaard	2551
FILIPINO LEARNERS' CULTURAL AND EPISTEMOLOGICAL PROFILE M.P. Morales	2557
INFLUENCE OF CULTURE AND LANGUAGE SENSITIVE PHYSICS ON STUDENT ATTITUDE ENHANCEMENT M.P. Morales	2567
GRAPH DRAWING OF KNOWLEDGE STRUCTURE OF MATHEMATICS COMBINED WITH KNOWLEDGE LEVEL A. Nakamura	2576
E-LEARNING COURSE AS A SUPPORT IN THE TEACHING OF DISCRETE PROBABILITY DISTRIBUTIONS M.N. Pineda Becerril, A. Aguilar Marquez, J.C. Axotla, O. García, F. León	2580
TEACHER COMPETENCY TEST AND POLITICS IN NIGERIA: AN ASSESSMENT OF ITS IMPACT ON EDUCATION M. Duruji, D. Azuh, I.P. Olanrewaju	2586
EXPLAINING THE CHEMICAL BASIS OF EVERYDAY PHENOMENA USING MOLECULAR MODELING C. Rius-Alonso, Y. González Quezada	2594
MANAGING EMPLOYEES IN HIGHER EDUCATION TRANSFORMATION: EXPLORING THE GOAL OF VISION 10: 2022 OF COVENANT UNIVERSITY, NIGERIA F. Iyoha, D. Gberevbie, M. Egharevba, C. Iruonagbe	2600
ASSESSING STUDENTS' CREATIVITY COMPETENCIES FOR INNOVATIVE INDUSTRIAL ENGINEERING DESIGNS R. Sancibrian, J.T. San-José, J.M. Blanco, E.G. Sarabia, J. Cuadrado	2608
DE-CONSTRUCTING AUDIT STEREOTYPES FROM STUDENTS' PERSPECTIVE B. Navallas, C. del Campo, M.M. Camacho-Miñano	2619
A NARRATIVE APPROACH TO DESIGNING PHYSICAL AND RELATIONAL SPACES A. Anzani, F. Maroldi	2629
THE INFLUENCE OF BINOCULAR VISION ON SENSOMOTOR LEARNING PROCESS V. Salcman, D. Benešová, P. Valach	2638
ASSESSMENT OF THE TECHNOLOGY TO MEASURE MOVEMENTS IN THE DETECTION OF STUDENTS WITH ATTENTION DEFICIT HYPERACTIVITY DISORDER F. Fernandez, C. Gonzalez, M. Sempere, I. Navarro	2644
FEASIBILITY OF EQUIPPING BUSINESS UNDERGRADS WITH ESP E-TRAINING FOR GRADUATE EMPLOYABILITY N. Ismail, C. Soo, N. Ismail	2654
THE INFLUENCE OF INPUT INFORMATION ON SENSOMOTORIC PERFORMANCE V. Salcman, D. Benešová, P. Valach, K. Švátora	2661
'CURRENT AFFAIRS IN MANDARIN' – A STUDENT-LED TV TALK-SHOW AT LSE C. Xiang, D. Moon	2668

OPEN BADGES IN COMPANIES M. Myllymäki, I. Hakala	2669
THE POTENTIAL OF OUTDOOR LEARNING ACTIVITIES: A PEDAGOGICAL-DIDACTIC INTERVENTION ON THE RELATIONSHIP HERITAGE-ENVIRONMENT-EDUCATION M. Ferreira, R. Pitarma	2677
STYRIAN INNOVATION CHALLENGE@SCHOOL M. Moser, H. Lercher, B. Kummert	2685
USING THE WEB 2.0 FOR LEARNING AND TEACHING T. Olivares, T. Clemente, M.C. Ruiz, J.M. Villalon	2690
UNIVERSITY STRATEGIES FOR STUDENT INNOVATION AND ENTREPRENEURSHIP – A COMPARISON OF FOUR NORDIC UNIVERSITIES L. Bengtsson	2700
AUGMENTED REALITY AND GAMIFICATION APPROACH WITHIN THE DIMMER PROJECT	2707
A. Osello, M. Del Giudice, A. Marcos Guinea, N. Rapetti, A. Ronzino, F.M. Ugliotti, L. Migliarino THE TECHNOLOGY OF ANALYTICAL READING AS A WAY OF WORKING STUDENTS WITH SCIENTIFIC TEXTS G. Molodtsova, L. Darinskaya	2715
WHAT DO THEY THINK? FLIPPED LEARNING AT THE UNIVERSITY LEVEL I. Frimannsdottir	2723
A CLOUD COMPUTING BASED INSTRUCTIONAL SCAFFOLD TO HELP PEOPLE WITH THE DOWN SYNDROME LEARN THEIR WAY IN TOWN F. Costa, L. Freina, M. Ott	2730
INNOVATIONS USING VISUAL INTELLIGENCE (SPATIAL) IN IMPROVING THE PERFORMANCE OF THE PIANO FOR YOUNG BEGINNERS (INNOVATIVE TEACHING METHODS) A. Hussein Amer, K. Roushdy	2737
FROM TEACHING A FOREIGN LANGUAGE TO ENGAGING CITIZENS INTO A SELF- DIRECTED LEARNING PROCESS: ENGLISHWORKS PROGRAM IN RIO DE JANEIRO P. Machado, C. Machado, D. Souto von Helde	2748
THE ASSESSMENT OF LEARNING: FROM COMPETENCE TO NEW EVALUATION R. Tammaro, M. Calenda	2756
ANALYSING THE IMPLEMENTATION OF TWO DISTINCT PEDAGOGICAL APPROACHES IN HIGHER EDUCATION INSTITUTION A. Dirin, A. Alamäki	2764
VIRTUAL PLATFORMS USED IN HIGHER EDUCATION AND COPYRIGHT M.L. Lara Ortiz	2771
A SIMPLE APPROACH TO QUADROCOPTER FORMATION FLYING TEST SETUP FOR EDUCATION AND DEVELOPMENT Q. Ali, S. Montenegro	2776
THE NEW ROLE OF THE PROFESSOR IN THE EUROPEAN HIGHER EDUCATION AREA: THE IMPORTANCE OF TUTORING M.L. Lara Ortiz	2785
TO WHAT EXTENT CAN TABLET COMPUTERS (IPADS) BE USED TO SUPPORT THE ACQUISITION OF INVESTIGATIVE SKILLS IN PRIMARY SCIENCE? K. Blackmore, O. Wilkie, D. Manders	2791
A CORRELATIVE STUDY ON LANGUAGE AND NON-LANGUAGE STUDENTS' METACOGNITIVE ASPECTS OF SPELLING F. Devos, V. Van Vooren	2798
STUDENTS' SELF-EFFICACY BELIEFS FOR WRITING V. Van Vooren, F. Devos, A. Mottart	2804
THE PERCEPTION OF ROMANIAN STUDENTS ON THEORETICAL HIGH SCHOOL EDUCATION K.M. Peter, M.C. Florescu, V. Banciu	2811
INTEGRATION VS. INCLUSION K.M. Peter, V. Banciu, M.C. Florescu	2817
SMOKING HABITS IN ADOLESCENCE: EDUCATING TO PREVENT M. Ferreira, I. Bantista, I. Duarte, I., Cabral, I. Nunes, I. Andrade	2822

TECHNOLOGY DISRUPTING LEARNERS' AND TEACHERS' PRACTICES IN COMPUTER-ASSISTED LANGUAGE LEARNING: AN OVERVIEW OF THE LITERATURE A. Parmaxi, P. Zaphiris	2828
COMMUNITIES OF INTEREST FOR ENHANCING SOCIAL CREATIVITY: THE CASE OF WOMENPOWER PLATFORM A. Parmaxi, C. Vasiliou	2838
IMPLEMENTATION OF THE BOLOGNA PLAN TO CREATE EDUCATION OF GOOD QUALITY IN MATHEMATICS J.M. Antón, A.M. Tarquis, M.E. Sánchez-Oreja	2848
MAINSTREAMING OER – POLICIES, STRATEGIES OR INITIATIVES? G. Pepler	2857
INNOVATIONS IN PRACTICAL TRAINING WITHIN THE BILINGUAL GRADES OF AN EDUCATION DEGREE N. Calet, M. Larrad, G. Jiménez-Fernández	2868
THE ROLE OF PHOTOS IN SOCIAL MEDIA INTERACTIONS OF ADULT ARABS WITH AUTISM SPECTRUM DISORDER A. Mashat, M. Wald, S. Parsons	2873
CHANGES IN EDUCATIONAL SYSTEMS IN POPULAR EDUCATION: TEACHERS' PERSPECTIVES AT THE SCHOOL OF ECOLOGICAL AGRICULTURE U YITS KA'AN IN YUCATAN, MEXICO A. Melecio Martínez	2880
DEVELOPING AN INSTRUMENT TO EVALUATE PERFORMANCE AND LEARNING IN INTERPROFESSIONAL HEALTH CARE TEAMS O. Ekmekci	2886
LOW COST THIN CLIENTS FOR LABORATORY VIRTUALIZATION R. P. Prado, P.J. Reche López, L.R. López López, S. García Galán, J.E. Muñoz Exposito	2887
TAKING CHANCES. ONLINE GAMBLING ADDICTION AND STUDENTS; CAUSES, CONSEQUENCES AND TREATMENT L.A. Butler	2891
TEACHING THE DELICATE TOPIC OF MULTICULTURALISM TO UNDERGRADUATE STUDENTS; EXPLORING DIFFICULT ISSUES WITH DIPLOMACY L.A. Butler	2895
ENGLISH LANGUAGE TEACHER CANDIDATES' VIEWS ON AMERICAN CULTURE O. Yildirim	2899
INTERNATIONAL COOPERATION BASED ON MOTION CAPTURE LABORATORY M. Skublewska-Paszkowska, J. Smołka, B. Pueo	2907
MOTION CAPTURE SYSTEM AS A TOOL FOR IT PROJECT RESEARCH M. Skublewska-Paszkowska, E. Łukasik, J. Smołka	2914
THE IMPACT OF AN ONLINE MATHEMATICS EDUCATION PROJECT (MATACTIVA) ON HIGHER EDUCATION STUDENTS A.P. Lopes, L. Babo, C. Torres	2921
CORE CURRICULUM FOR SCIENCE SUBJECTS IN SELECTED COUNTRIES M. Chrzanowski, U. Poziomek, S. Żuchowski, B. Ostrowska	2928
COLLABORATIVE ENGINEERING WORK EVALUATION VIA WIKIS R. Dorado-Vicente, E. Torres-Jimenez, C. Ruz-Casas, P. Romero Carrillo, F. Cruz-Peragón	2935
ORGANIZATIONAL SELF ASSESSMENT USING MALCOLM BALDRIGE NATIONAL QUALITY AWARD CRITERIA M. Almazkour	2944
FROM PHYSICS THROUGH ICT IN EDUCATION AND BACK TO PHYSICS TEACHING; 50 YEARS OF VARIED EXPERIENCE IN TEACHER TRAINING H. Haugen	2945
INTEGRATION OF CORE SUBJECTS INTO PROJECT-BASED LEARNING J.A. Martínez, B. Sáez, A. Pitarch, L. Reig, M. Aguilella-Arzo, S. Macario, V. Martínez, J.A. García	2953
INTERCULTURAL EDUCATION AT TECHNOLOGY UNIVERSITIES: WROCŁAW UNIVERSITY OF TECHNOLOGY IN THE GLOBAL NETWORK OF SANTANDER UNIVERSITIES A. Cach	2963
CONTRIBUTION OF MATHEMATICS IN-SERVICE TRAINING COURSES TO THE PROFESSIONAL DEVELOPMENT OF ELEMENTARY SCHOOL TEACHERS IN ISRAEL A. Mishal, D. Patkin	2967

CREATIVITY, INNOVATION AND ENTREPRENEURIAL SPIRIT AS COMPETENCES IN ECONOMICS AND BUSINESS DEGREE PROGRAMMES V. Rincón Díez, P. Zorrilla Calvo	2968
BRIDGING THE GAP: COLLABORATIVE WORKING AMONGST UNDERGRADUATES, ACADEMICS, PRACTITIONERS AND RESEARCH COUNCILS D. Hewlett, L. Harding	2978
THE ROLE OF THE REFLECTION AND DESIGN CONFERENCE IN THE PLANNING OF "CEJUS", AN ALTERNATIVE LEARNING INSTITUTION J. Jiménez, J.C. Escalante, R. Marín, M. Velasco	2987
ORCHESTRATING ONLINE GROUP WORK WHILE ASSESSING INDIVIDUAL PARTICIPATIONS A. Figueira	2996
A PROGRAM TO DEVELOP SOME OF THE MENTAL SKILLS AND ITS INFLUENCE ON PERFORMING THE BASIC SKILLS OF CROLL-SWIMMING FOR THE BEGINNER SWIMMERS WHO SUFFER FROM A.D.H.D M. Amin, W. Elabd	3006
TEACHING ME SOFTLY: A SYLLABUS FOR A SUBJECT ON SOFT SKILLS J.A. Conejero, J.L. Poza, J.B. Seoane-Sepúlveda	3014
DESCRIPTIVE STATISTICS OF STAKEHOLDERS PERCEPTIONS OF ICT AND EMPLOYABILITY SKILLS IN SCHOOLS D. Nwaozuzu	3021
A LONGITUDINAL STUDY OF ICT SKILLS OF 1ST YEAR JOURNALISM STUDENTS D. Giomelakis, A. Veglis	3030
TEACHER INSIGHT INTO INTEGRATING LAPTOP COMPUTERS M. Gundy, M.J. Berger	3039
LEARNING ENVIRONMENT, ACADEMIC PERFORMANCE AND SCHOOL MANAGEMENT IN PUBLIC SECONDARY SCHOOLS IN OTA M. Duruji, D. Azuh, F. Olanrewaju	3044
A WEB-BASED PLATFORM FOR READING COMPREHENSION AND VOCABULARY ACQUISITION: THE PROJECT TALOS CASE STUDY K. Gaugler, M. Bender, C. Matheus	3057
ANALYZING PEDAGOGICAL LINK-MAKING DEVICES IN SCIENCE CLASSROOM LANGUAGE USING AN ONLINE CORPUS OF SCIENCE AND ENGINEERING LECTURES	3065
N. Kunioshi, J. Noguchi, K. Tojo, H. Hayashi ENERGY POTENTIAL OF OIL PALM BIOMASS, ITS SOCIO-ECONOMIC BENEFITS IN MALAYSIA AND THE ROLE OF RESEARCH AND INNOVATION A.M. Abdulai, C. Siwar, M.E. Hussein	3072
FLIPPING OUT: STUDENTS AND TEACHER LEARN TOGETHER VIA SELF-LEARNING, SELF-ASSESSMENTS, RUBRICS, & PEER REVIEW IN A NOVEL COURSE ON AGRICULTURE INFORMATION & TECHNOLOGY, CUTTINGTON UNIVERSITY, LIBERIA M. Kesselman, C. Forbes	3083
KEY COMPETENCES AND SKILLS FOR YOUNG LOW ACHIEVERS': HEARING THE VOICES OF STUDENTS, TRAINERS AND TEACHERS M. Pinto, J. Caramelo, S. Coimbra, M. Terrasêca, G. Agrusti	3092
MISUNDERSTOOD AND MISAPPLIED OXFORD TUTORIAL SYSTEM IN THE TRAINING OF ACCOUNTANTS IN SOUTH AFRICA O. Ayaya	3102
PERCEPTUAL LEARNING STYLE PREFERENCES OF GIFTED VS. NON-GIFTED TURKISH EFL LEARNERS A. Merç	3112
VOICES OF STUDENTS REGARDING THE USE OF TECHNOLOGY IN THE CLASSROOM S. Connor	3120
THE CHALLENGES OF MASSIFICATION OF HIGHER EDUCATION AND ITS RAMIFICATIONS WITH A FOCUS ON AFRICA: WHAT ROLE CAN INDUSTRY PLAY? B. Mngomezulu	3123
TRANSFORMATIVE LEARNING: CHANGING THE LENS FOR STUDENT SUCCESS K. Holt, P.T. Clements	3131

REQUIREMENTS FOR CONTINUOUS IMPROVEMENT OF THE QUALITY OF ENGINEERING EDUCATION	3134
H. Shafeek, M. Abdel-Aziz, A. Alshehri, S. Gutub, M. Bassyouni	
MEETING THE ICT INDUSTRY NEEDS BY UNIVERSITIES E. Łukasik, M. Skublewska-Paszkowska, M. Miłosz	3135
METHODOLOGICAL FOUNDATIONS AND ARGUMENTATION OF ANALYZING FOREIGN LANGUAGE VOCABULARY FOR SPECIFIC PURPOSES IN MULTIMEDIA INTERACTIVE ENVIRONMENT WITHIN THE FRAME OF ACTION RESEARCH METHODOLOGY E. Popandonova-Zhelyazova, S. Tsankov	3141
METHODOLOGICAL GUIDANCE ON THE INTEGRATION OF INFORMATION TECHNOLOGY EDUCATION WITH OTHER ACADEMIC DISCIPLINES V. Voinohovska, S. Tsankov	3150
TOOL FOR DETECTING RISK OF EDUCATION AND TRAINING DROPOUT L. Grecu, M. Velciu	3157
CHANGING ATTITUDES: STUDENTS, TEACHING AND EDUCATION K. Ahmed	3161
TRANSLATING TEN FOUNDATIONAL FACETS TO ENHANCE TEACHING IN THE VIRTUAL ENVIRONMENT P.T. Clements, K. Holt	3162
ARE IPADS USEFUL LEARNING TOOLS IN THE DISSECTION LABORATORY? J. Laakkonen	3169
PERCEIVED TEACHERS' RESPONSIBILITY: A STUDY ON A SAMPLE OF ITALIAN PRIMARY AND MIDDLE SCHOOL TEACHERS M.C. Matteucci	3172
INNOVATION OF STUDY MATERIALS FOR DESIGN OF MANUFACTURING MACHINES AND EQUIPMENT AT THE UNIVERSITY OF WEST BOHEMIA IN PILSEN T. Keckstein, M. Hynek, M. Grach, J. Bezděková	3178
COMPREHENSIVE E-LEARNING STUDY MATERIALS IN THE FIELD OF MECHANICAL ENGINEERING J. Jirasko, S. Pusman	3185
SOLVING CRIME THROUGH SOCIAL MEDIA - IMPROVING VOCATIONAL COMPETENCES IN THE SECURITY SECTOR M. Schrammel	3192
THE EVALUATION OF E-LEARNING IMPLEMENTATION EFFICIENCY A. Didenko, N. Aksenova	3193
TEAMCONOMICS: COLLABORATIVE LEARNING FOR MACROECONOMICS <i>M.A. Martínez, P. Báez, E. Ferrándiz, E. Flores, R. Marín, M.M. Muñoz, J. Ruíz</i>	3198
E-LEARNING MATERIALS BASED ON AN INJECTION MOULD E. Müller, A. Max	3204
THE EFFECT OF THE EDUCATION MODELS ON PRIMARY SCHOOL STRUCTURES FROM THE EARLY YEARS OF THE REPUBLIC TO PRESENT ζ . Koç, H. Sağlam	3211
THE IMPACT OF SOCIAL AND CULTURAL CAPITAL ON FULFILLING UNIVERSITY REQUIREMENTS: A CASE STUDY ON UNIVERSITY STUDENTS A. Kaysılı, A. Soylu, A. Dilek	3218
INTERACTIVE METHODS IN IT MANAGEMENT TRAINING A. Andreica	3229
FEEDBACK ON STUDENT ASSIGNMENTS: ARE THERE IMPEDIMENTS TO USING FEEDBACK TO FEED FORWARD? S. Bamforth, G. Perkin, J. Glass	3239
THE RELATIONSHIP BETWEEN ORGANIZATIONAL INTELLIGENCE AND CUSTOMER SATISFACTION RATES IN THE SOUTHEAST DISTRICT OF PARSIAN BANK M. Shariatmadari, A. Jahanfar	3247
EDUCATING COMPUTER SCIENCE UNDERGRADUATES FOR DIGITAL ENTREPRENEURSHIP: A CASE STUDY OF A TEACHING MODEL INVOLVING A JUNIOR ENTERPRISE CREATED BY STUDENTS M. Niño, J.M. Blanco, A. Calvo, G. Maiztegi	3254

SERVER SIMULATION THROUGH LOW COST COMPUTERS- A NEW TECHNICAL APPROACH FOR TEACHING SERVER TECHNOLOGIES M. Brickmann, M. Knoll	3263
RETHINKING FURTHER PROFESSIONAL EDUCATION: SEARCH FOR MULTIDISCIPLINARY AND NEW TECHNOLOGICAL APPROACHES V. Gerasimenko, T. Razumova, V. Echenike	3270
COLLABORATIVE LEARNING, LESSONS LEARNED SHARING AND KNOWLEDGE MANAGEMENT USING A BLOG: A CASE STUDY IN UNIVERSITY EDUCATION WITH PROJECT MANAGEMENT STUDENTS M. Niño, J.M. Blanco, A. Jaime, I. Usandizaga	3277
ARE HIGHER EDUCATION INSTITUTIONS ABLE TO PROMOTE THE CREATION OF NEW FIRMS? STUDY OF ACHIEVEMENTS AND THE MAIN BARRIERS IDENTIFIED IN A DEVELOPING COUNTRY – MOZAMBIQUE D. Libombo, A. Dinis	3286
THE USE OF NEW TECHNOLOGY AND DIGITAL TOOLS BY THE LECTURERS OF PORTUGUESE LANGUAGE IN MACAO (CHINA) L. Gonçalves	3301
A SEARCH FOR DIGITAL DESIGN PEDAGOGY: DIGITAL FABRICATION AS A CHALLENGE Z. Cinar	3312
CONTINUOUS TRAINING OF TEACHERS IN CLASSROOM MANAGEMENT - PART OF THE ADULTS EDUCATION R.I. Herman	3320
THE DEVELOPMENT OF COMMUNICATION AS A CONDITION FOR INCLUSION OF CHILDREN WITH AUTISM IN EDUCATION S. Alekhina, E. Soldatenkova	3331
MOBILE VISUAL SEARCH AND AUGMENTED REALITY: ARCHITECTURE, TECHNOLOGIES, BASED ON MPEG STANDARD A.M. Gabor, A. Naaji	3337
EVALUATION OF THE PERFORMANCE RATE IN THE 'ADVANCED CHEMISTRY' SUBJECT AT THE CHEMISTRY ENGINEERING DEGREE S. Carda-Broch, M.J. Ruiz-Angel, J. Peris-Vicente, J. Esteve-Romero	3343
USING TECHNOLOGY FOR INTERACTION AND INVOLVEMENT IN LARGE ENROLLMENT COURSES: PERCEIVED EFFECTS AND ATTITUDES T. Van Daele, C. Frijns, J. Lievens	3344
MECHATRONICS – OBJECTIVES AND MAIN CHALLENGES OF THE STUDY PROGRAMME AND HOW ARE THEY ADDRESSED AT "LUCIAN BLAGA" UNIVERSITY OF SIBIU R.E. Breaz, O.C. Bologa, S.G. Racz, A.L. Chicea	3349
CONTINUOUS ASSESSMENT AND ACQUISITION OF SKILLS IN TEACHING FINANCIAL MANAGEMENT S. Baños-Caballero, P.J. García-Teruel, P. Martinez-Solano	3359
TRAINING UNEMPLOYED UNIVERSITY GRADUATES BASED ON REAL INTRAPRENEURIAL INITIATIVES L. Markuerkiaga, J.I. Igartua, N. Zabaleta	3361
A MODEL OF PRACTICAL TEACHING OF ETHICS IN BUSINESS, FINANCE AND ECONOMY DEPARTMENT AT THE UNIVERSITY R. Robina, T. Cabezas, M. Sánchez-Oro	3366
LIBRARY WEB3.0: A VIRTUAL LIBRARY - AN APPLICATION OF WEB 3.0 TOOLS FOR LIBRARY SERVICES S. Dsilva, H. Waydande	3374
INNOVATION ACTIVITIES: A HELPFUL TOOL TO ACQUIRE TRANSVERSAL SKILLS IN MASTER COURSES M.L. Ojeda Murillo, F. Nogales, O. Carreras	3378
COURT JUDGMENTS AS A TOOL FOR STUDYING ETHICS IN BUSINESS, FINANCE AND ECONOMICS AREAS T. Cabezas, R. Robina, M. Sánchez-Oro	3385
TEACHING METHODS AND STUDENTS' MOTIVATION IN LEARNING MATH K. Mädamürk, A. Palu	3393
SLIDE TO UNLOCK NEW OPPORTUNITIES FOR FEEDBACK. THE POTENTIAL OF THE TABLET FOR TEACHER TRAINING C. Frijns	3402

PERCEPTIONS OF ICT USE IN GUARDA'S PRIMARY SCHOOLS C. Ravasco, C. Brigas, C. Fonseca, J. Mateus, U. Bolota	3408
MOVING INFORMAL LEARNING TO A NEW LEVEL BY USING SOCIAL MEDIA TOOLS IN THE CLASSROOM A.M. Visan, B. Logofatu	3417
NEW EXPERIENCES IN LEARNING-ORIENTED ASSESSMENT (LOA): PEER ASSESSMENT AND SELF-ASSESSMENT IN PRACTICE G. Mateos-Aparicio, A. Hernandez, E. Martinez-Rodriguez	3424
EARLY EVIDENCE FROM AN URBAN TEACHER RESIDENCY PROGRAM S. Judge	3432
EDUCATION INTO A MULTI-DEVICE WORLD A.M. Visan, B. Logofatu	3436
LEARN BY TEACHING, TEACH BY EXPERIMENTATION AND RESEARCHING. AN EXPERIENCE IN ARCHITECTURE LEARNING N. Flores, J. Pinilla-Melo, M.M. Barbero-Barrera	3444
YOU MAKE THE FUTURE, VOLUNTEERING IN AN INNOVATIVE SPIN OFF CREATED IN ADDITION TO ACADEMIC RESEARCH CENTERS, AS AN APPROPRIATE FORMULA TO EQUIP OUR STUDENTS WITH THE PRACTICAL AND THEORETICAL SKILLS E.D. Zeca	3448
ASSESSING NURSING STUDENTS' LEARNING NEEDS IN THE COLLEGE OF HEALTH SCIENCES IN SAUDI ARABIA H. Showail	3458
ADAPTIVE SUPPORTING SYSTEMS FOR A COMPETENCE-ENHANCING HUMAN-MACHINE INTERACTION IN NEW PRODUCTION PROCESSES M. Löhrer, J. Lemm, Y.S. Gloy, T. Gries	3462
ROBOTIC EDUCATION IN THE DLR_SCHOOL_LAB RWTH AACHEN S. Reuter, K. Yilanci, N. Nabil, M. Ossenkopf, F. Reinbacher, J. Schlierkamp, F. Weidler, J. Zagatta, D. Ewert, R. Vossen, S. Jeschke	3466
QUANTITATIVE COST-BENEFIT ANALYSIS OF GREEN COURSES: CASE STUDY I. Nakhoul, F. Safieddine	3476
THE USABILITY TESTING OF AN EDUCATIONAL APP GAME C.L. Lin, Y.C. Liu	3483
EDUCATION IN MULTICULTURAL SOCIETY: THE PROBLEM OF EDUCATION OF LITHUANIAN PHILOLOGY IN PRIMARY GRADES D. Kalesnikiene	3492
DESIGNING FOR AGING POPULATION: PHOTO-NOVELLA AS RESEARCH TOOL AND BRIDGING THE GENERATION GAPS C. Thian	3499
ONLINE TEACHING CALENDAR J.F. Ruiz Ruiz, M.A. García Muñoz, J. Jódar Reyes, A.J. López Moreno, C. Ordóñez Cañada	3504
ON THE CONVENIENCE OF SOME TOOLS EMPLOYED IN THE E-LEARNING METHODOLOGY J.A. Aledo Sánchez, F.L. Pelayo, J.C. Valverde Fajardo	3513
ASSESSING THE KIND OF EXAM M.L. Ojeda Murillo, F. Nogales, O. Carreras	3518
WORKSHOP SELECTION PROCESS: DEVELOPING SKILLS TO COPE WITH A SELECTION PROCESS FROM A DOUBLE PERSPECTIVE (INTERVIEWER AND CANDIDATE) J. Vidal Garcia, M.E. Vidal Garcia	3519
SCHOOL FEARS AMONG CZECH UNDERGRADUATE STUDENTS A. Volková	3525
PERSONALITY AS A DETERMINANT OF STUDY AND CAREER CHOICE: AN EMPIRICAL STUDY IN ADVANCED LANGUAGE LEARNERS A. Rosiers, J. Eyckmans	3531
A SIMULATION DECISION GAMES PACKAGE AND ITS USE IN THE EDUCATION AND RESEARCH OF LOGISTICS PRACTITIONERS E. Miłosz, M. Miłosz, Z. Pastuszak	3541
THE EFFECT OF RECAST THROUGH EDMODO ON EFL LEARNERS' WRITING PERFORMANCE B. Bahrami Shams-Abadi, S.D. Ahmadi, A. Gholami Mehrdad	3549

ASSESSMENT OF STUDENT LEARNING IN THE GENERAL CHEMISTRY LABORATORY M.J. Ruiz-Angel, S. Carda-Broch, J. Esteve-Romero	3557
DECISION-MAKING SIMULATION GAMES AS A TOOL FOR VERIFYING ENTERPRISE LOGISTICS STRATEGIES M. Miłosz, Z. Pastuszak, E. Miłosz	3558
INTRODUCING COMPUTER AIDED TECHNIQUES FOR MANUFACTURING PROSTHETIC DEVICES INTO THE CURRICULUM OF MANUFACTURING ENGINEERS A.L. Chicea, R.E. Breaz	3568
SIGHT IMPAIRED STUDENTS FACING A GAME MAKING ENVIRONMENT: A "MAGICAL" CHALLENGE I. Caponetto	3575
AN EXPERIENCE OF SPECIFIC LEARNING METHODOLOGIES IN COMPUTER ARCHITECTURE FOR GROUPS OF HIGH ACADEMIC PERFORMANCE J. Azorin-Lopez, J. Garcia-Rodriguez, A. Jimeno-Morenilla, H. Mora-Mora, F. Pujol-Lopez, J.L. Sanchez-Romero, M. Saval-Calvo, S. Orts-Escolano, V. Morell-Gimenez, A. Garcia-Garcia, A. Rizo-Gomez	3591
LOCATION-BASED TOURISM IN-GAME CERTIFICATION R. Baptista, R. Nóbrega, A. Coelho, C. Vaz de Carvalho	3602
TIME TO ASSESS LEARNING OUTCOMES IN E-LEARNING. OVERVIEW OF A EUROPEAN MULTILATERAL PROJECT I. Gil-Jaurena, A. Soeiro, T. Aguado, R. Falcão, J. Lõssenko	3611
DOES THE EXAM CALENDAR AFFECT THE PROBABILITY OF SUCCESS? F. Merino, G.M. Soto	3617
THE USE OF RUBRICS AS A TOOL FOR EVALUATION OF BIOCHEMISTRY AND FOOD BIOTECHNOLOGY LABORATORY PRACTICES FOR THE DEGREE IN FOOD SCIENCE AND TECHNOLOGY	3626
S. Ramos-Gómez, S.M. Albillos, M.D. Busto, N. Ortega, M.C. Pilar-Izquierdo, D. Palacios, M. Pérez-Mateos	
IMAGING PROJECT - INTERACTIVE MOBILE ASSISTED SYSTEM AND GUIDANCE LEARNING FOR RFID TECHNOLOGY J. Ferri, J. Domenech, K. Kronika, P. Maczuga, C. Silva	3635
NEW APPROACHES TO THE E-CONTENT AND E-TEXTBOOK IN HIGHER EDUCATION A. Benedek, G. Molnár	3646
REDUCING THE COSTS OF TEACHING CUDA IN LABORATORIES WHILE MAINTAINING THE LEARNING EXPERIENCE QUALITY C. Reaño, F. Silla	3651
E-ASSESSMENT IN A MASTER ONLINE COURSE. A CASE STUDY I. Gil-Jaurena, T. Aguado, B. Malik, P. Cucalón	3661
HOW CAN LIFELONG LEARNING SKILLS BE ASSESSED AT UNIVERSITY? M.J. Villamide, J. González, D. Carro, J. García	3668
STUDENT'S PERCEPTIONS OF ONLINE COLLABORATIVE LEARNING N. Hernández Sellés, P.C. Muñoz Carril, M. González Sanmamed	3675
ASSESSING PROGRESS MADE BY CIVIL SOCIETY AND INSTITUTIONS AT THE END OF THE DECADE FOR SUSTAINABLE DEVELOPMENT: THE CASE OF ROMANIA C. Costache, D. Dumitrascu, R. Barac, O. Anghel, C.C. Ioan	3683
STUDENTS' SELF-ASSESSMENT IN FOREIGN LANGUAGE LEARNING AND TEACHING N. Belenkova	3695
FLIPPED CLASSROOM PLUS: USING PEER TUTORING TO DEVELOP COMMUNICATION SKILLS IN FINAL YEAR STUDENTS N. Atkinson	3698
INTELLIGENT TUTOR FOR FIRST GRADE CHILDREN'S HANDWRITING APPLICATION F. Albu, D. Hagiescu, M.A. Puica, L. Vladutu	3708
AFFORDANCES OF SOFTWARE IN THE DESIGN, IMPLEMENTATION, AND REVISION OF INSTITUTIONAL EPORTFOLIO PROGRAMS H. Sanborn, M.A. Dellinger	3718
EDUCATION IN TRANSITION – THE IMPACT OF NEOLIBERAL EDUCATIONAL REFORMS ON TEACHER PROFESSIONALISM IN ESTONIA M. Tinn. I. Timoštšuk, R. Mikser, A. Ugaste	3726

DIAGNOSIS OF INTEGRATING LAPTOP COMPUTERS IN THE TEACHING PRACTICE IN NORTHWEST MEXICO: MI COMPU MX PROGRAM L. Glasserman	3735
TEACHING ARCHITECTURAL CONSERVATION IN SPAIN. THE CASE OF THE SCHOOL OF ARCHITECTURE OF VALENCIA WITHIN THE NATIONAL CONTEXT C. Mileto, F. Vegas, L. García Soriano, V. Cristini	3740
INNOVATIVE LIGHT SHAPES: AN EDUCATIONAL EXPERIENCE ON MATERIALS AND MANUFACTURING TECHNOLOGIES' SELECTION TOOLS A. Piselli, P. Garbagnoli, B. Del Curto	3748
DIDACTIC INITIATIVES OF THE SPANISH UNESCO CHAIR OF EARTHEN ARCHITECTURE C. Mileto, F. Vegas, V. Cristini, L. García Soriano	3759
KSU ARABIC ENGLISH PARALLEL CORPUS FOR TRANSLATION EDUCATION: OVERVIEW AND PRELIMINARY RESULTS H. Alotaibi, A. Al-Thubaity	3766
BLEND OR FLIP: AN ASSESSMENT OF GRADUATE STUDENTS' PREFERENCES FOR TECHNOLOGY-ENABLED LEARNING INITIATIVES WITHIN THE SUB-SAHARAN AFRICAN CONTEXT S. Asunka	3767
DIGITAL TEXTBOOK OF SCIENCE FOR THE FIRST CYCLE OF BASIC EDUCATION: TOOL TO ASSESS THE QUALITY OF THE DIGITAL TEXTBOOK WITH SCIENCE-TECHNOLOGY-SOCIETY / CRITICAL THINKING ORIENTATION J. Pinheiro Peixinho, R. Marques Vieira	3776
PSYCHOLOGY OF MEDIATION N. Belenkova	3784
TECHNOLOGY-ENHANCED LEARNING DEVELOPMENTAL PLAN AT A PREPARATORY PROGRAM: PROCESSES, ACTIONS, OUTCOMES AND CHALLENGES Z. Kirecci, C. Akyuz Penbegul	3788
THE CREATION OF INTERACTIVE LISTENING GUIDES FOR NON-MUSIC MAJORS W. Rose	3789
DIGITAL LEARNING NEEDS OF ELDER PEOPLE: A REVIEW STUDY P. Franco, J. Leiva, A. Matas-Terron	3798
THE DEGREE FINAL PROJECT: A NEW CHALLENGE FOR UNIVERSITY STUDENTS F. Arrebola, M. López-Viota, A. Rivas, E. Fernández de Haro, M. Aguilera, J.L. Arias, M. Fernández-Cabezas, M.A. Martínez-Burgos, M.E. Morales	3805
PROGRESS OF A CAREER ADVICE & GUIDANCE PROGRAM IMPLEMENTED IN THE DEGREES OF PHARMACY, HUMAN NUTRITION AND DIETETICS AND FOOD SCIENCE AND TECHNOLOGY	3810
M. Fernández-Cabezas, M.E. Morales, M.A. Martínez-Burgos, M. López-Viota, M. Aguilera, J.L. Arias, A. Rivas, E. Fernández de Haro, F. Arrebola	
DIAGNOSTIC TECHNIQUES, EDUCATIONAL COACHING, AND GROUP DYNAMICS FOR IMPROVING TEACHING ON COLLEGE STUDENTS F. Rodríguez Legendre, T. Queizán, X. Sotelo	3815
ACTIVITIES FOR THE ACQUISITION OF TRANSVERSAL COMPETENCIES IN SCIENCE DEGREES G. Espino, S. Alonso-Torre, A.M. Diez, A. Heras, S. Sánchez-Pastor, J. Arcos, J.V. Cuevas, P. Muñiz, V. Tricio, N. Ortega	3820
ELABORATION OF TEACHING RESOURCES FOR ASSESSING TRANSVERSAL SKILLS IN BACHELOR'S DEGREES OF THE FACULTY OF SCIENCES N. Ortega, J. Arcos, J.V. Cuevas, P. Muñiz, V. Tricio, S. Alonso-Torre, A.M. Diez, A. Heras, S. Sánchez-Pastor, G. Espino	3829
ACTION RESEARCH INTO THE DEVELOPMENT OF CHILDREN'S MEDIA COMPETENCES AND MEDIA SKILLS J. Hautaviita, R. Valli, M. Meriläinen	3837
IMPLEMENTATION OF PBL IN MATHEMATICS FOR ENGINEERING STUDIES J. Bilbao, C. Varela, O. García, M. Rodríguez, E. Bravo, P. González	3845
INDUSTRY CALLS FOR NEW SALES AND INTERACTION COMPETENCIES FOR ICT SPECIALISTS H. Kock	3852
MEANINGFUL, COLLABORATIVE LEARNING THROUGH WEB 2.0 TOOLS	3860

BOOSTING STUDENTS' PROFESSIONAL MOTIVATION IN ACADEMIC COURSES IN LINGUISTICS D. Sabirova, T. Morozova	3869
HUMAN RELATIONS MANAGEMENT IMPLICATED IN TEACHING PRACTICAL ACTIVITIES E.L. Mara	3876
SOILX: A NEW ONLINE OPEN EDUCATION RESOURCE TO SUPPORT TEACHING AND LEARNING IN SOIL SCIENCE C. Crowley, S. Dyanatkar, M. Krzic, J. Wilson, K. Watson, A. Bedard-Haughn, P. Sanborn, N. Basilko, N. Sidles	3891
USING THE PROBLEM-BASED LEARNING APPROACH IN AN INDUSTRIAL SYSTEMS SIMULATION COURSE 1.E. Ivanov, V. Gueorguiev, E. Markov, V. Mladenov	3892
THE ROLE OF LIFELONG LEARNING ABOUT ENERGY EFFICIENCY OF PUBLIC BUILDINGS A. Violano, M. Cannaviello	3897
LUDIC STRATEGY USING ROBOTICS FOR LEARNING BASIC MATHEMATICS IN COMPUTER SCIENCE CAREERS X. Zaldivar-Colado, U. Zaldivar-Colado, C. Marmolejo-Rivas, R. Bernal-Guadiana, S. Ortiz-delCastillo, I. Niebla-Zatarain	3907
RAISING ENGAGEMENT THROUGH GAMIFICATION IN AN E-LEARNING COMMUNITY M.I. Dascalu, S. Cosurba, I. Stanica, A. Moldoveanu, G. Dragoi	3912
RELATIONSHIPS BETWEEN STUDENTS' VIEWS TOWARDS MATHEMATICS AND ACHIEVEMENT IN MATHEMATICS K.P. Ghimire, R. Alpizar-Jara, H.P. Upadhyay	3920
SPECIFIC REQUIREMENTS OF HUMAN RESOURCES IN THE ICT SECTOR IN PORTUGAL A. Baldaque, C. Santos Pereira, C. Azevedo, C. Costa Lobo, F. Lopes, P. Morais	3927
THE FACILITATOR - SHOULD WE TRUST OUR CHILDREN WITH TAKING RESPONSIBILITY? R. Farhangi	3937
FROM SENSES TO SENSORS, FOSTERING CHILDREN'S ENVIRONMENTAL LITERACY S. Teixeira, M.J. Silva, I. García-Rodeja Gayoso	3954
MOBILE LEARNING AND BRING YOUR OWN DEVICE IN CHEMISTRY TEACHING A. Grunewald Nichele, E. Schlemmer	3964
SCHOOL MALADJUSTMENT IN CHILDREN AND ADOLESCENTS J. Jaureguizar, E. Bernaras, M. Soroa, M. Sarasa, M. Garaigordobil	3970
THE PRE-ENTREPRENEURSHIP - A NEW GATE TO THE ENTERPRISE N. Orloev, Y. Vassilev, H. Beloev, M. Iliev, K. Uzunov, P. Boneva	3978
A NEW PRIMARY TEACHER'S PROFILE IS NEEDED IN EDUCATION. CHARACTERISTICS DETECTED FROM DIFFERENT STAKEHOLDERS A. Bueno Villaverde, P. Caballero García, M.J. Carretero Cenjor	3987
JUNIOR SCIENCE PROJECT - A STUDY CASE ON COLÉGIO CEDROS - PEDAGOGICAL EXPERIENCE WITH DIFFERENTIATED EDUCATION F. Teixeira e Costa, H. Pratas, A. Paramés, V. Harry Leite, L. Ribeiro	3996
EXPERIENCE OF DIGITAL EXAMINATION IN SWEDEN – SOME PRELIMINARY FINDINGS FROM THREE DIFFERENT PERSPECTIVES B. Berggren, A. Fili, O. Nordberg	4001
THE CONSUMER VALUE TRADE-OFF AND THE INTERNATIONAL EXPERIENCE: BENEFITS AND COSTS OF BEING AN ERASMUS STUDENT R. Currás, M.G. Gallarza, D. Servera, T. Fayos, F. Arteaga	4008
Q TYPE DWELLING: AN INTERNATIONALLY SUPPORTED OUTDOOR LIBRARY IN ANKARA D. Soylu, M. Bayter	4018
ADAPTING TO TEACHING IN THE 21ST CENTURY: HELPING TEACHERS TO UNDERSTAND THE PEDAGOGICAL CONTENT IN USING TABLETS AS LEARNING TOOLS S. Lähdesmäki	4025

ROOMS ON DEMAND FOR NEW PEDAGOGIES AND WELL-BEING ACCOMPANYING WAYS	4033
B. Etlicher, S. Monsabert	
AN ON-LINE PLATFORM AS A TOOL TO DEVELOP THE STUDENTS' LAB NOTEBOOK IN PHYSIOTHERAPY M.L. Sánchez-Sánchez, M.A. Ruescas-Nicolau, G.V. Espí-López	4042
THE ETWINNING PLATFORM. AN EXPERIENCE OF THE IMPLEMENTATION OF A	4052
COLLABORATIVE PROJECT ONLINE R. Boronat, R. Balart, D. Garcia-Sanoguera, T. Boronat, L. Sanchez-Nacher, O. Fenollar, V. Fombuena	
PART OF AJAX AND OPENAJAX IN CUTTING EDGE RICH APPLICATION ADVANCEMENT FOR E-LEARNING M. AlAjmi, S. Khan	4058
STUDENTS' SATISFACTION WITH A RESEARCH-ORIENTED TEACHING ACTIVITY IN PHYSIOTHERAPY M.A. Ruescas-Nicolau, G.V. Espí-López, M.L. Sánchez-Sánchez, Y. Ballester-Gil, D. Poveda-Reolid	4064
IMPLEMENTATION OF AN ACTIVE LEARNING STRATEGY FOR IMPROVING TEACHING IN THE ENVIRONMENTAL ENGINEERING SUBJECT M. Corral Bobadilla, R. Lostado Lorza, E.P. Vergara González, M.A. Martínez Calvo, F. Somovilla Gómez	4073
EXPERIMENTS IN VIRTUAL EXHIBITION DESIGN AS A NEW MEDIUM. THE ROMANIAN BLOUSE AS A CASE STUDY FROM THE RETROMANIA COLLECTION A. Nanu, A. Titieni, M. Nedelcu, F. Nedelcu, C. Sarbu, A. Stanciu	4079
MUSEUMS IN CLOUD. A PROJECT IN DIGITAL CULTURE HERITAGE M. Nedelcu	4087
DESIGN OF DIGITAL TEXTBOOK-BASED LEARNING ANALYSIS SYSTEM FOR PERSONALIZED EDUCATION E. Jeong, T. Kim, D. Sung, K. Sohn	4094
THE TRAINING OF PRINCIPALS SCHOOL. LESSONS LEARNED P. Silva, J. Gairin	4100
THE MORE THE MERRIER. PROMOTE THE HIGH POTENTIAL IN COLLABORATIVE UNIVERSITY - PUBLIC SECTOR RELATIONSHIPS P. Tossavainen	4106
IMPROVING ORAL COMMUNICATION SKILLS THROUGH ASSESSMENT TOOLS IN ECONOMICS FOR BUILDING ENGINEERING M. Pons-Morera, E. Navarro-Astor, A. Montañana, M.C. Llinares, I. Fernández-Plazaola	4113
ANALYSIS OF DETERMINING THE CONSUMPTION OF FRUIT AND VEGETABLES IN RELATION TO FOOD EDUCATION A. Scuderi, L. Sturiale	4114
TEACHING STRATEGIES FOR CROSS-SUBJECT KNOWLEDGE ACQUISITION AT FIRST GRADE IN BUILDING ENGINEERING M. Pons-Morera, E. Navarro-Astor, A. Montañana, I. Fernández-Plazaola	4122
PROMOTING LEARNER AUTONOMY IN AN ELECTRODYNAMICS LAB: A PROBLEM-BASED LEARNING APPROACH	4131
I. Barba, A. Grande, A.C. Cabeceira, J. Represa, L. Costilla, J.M. Muñoz, C. Torres, O. Alejos, P. Hernández-Gómez	
GROUP POSTER PROJECT IN ENGLISH: ANALYSIS OF AN EXPERIENCE IN THE ENVIRONMENTAL SCIENCES CURRICULUM G. Albendin, J.M. Arellano, F. Soto-Mancera, M.I. Arufe	4137
MULTIMEDIA TEACHING MATERIALS DESIGN, PRODUCTION AND DISSEMINATION - AN EXAMPLE FOR MARKETING COURSES M. De-Juan-Vigaray, E. González-Gascón	4143
AN APPROACH TO THE ETHICAL CLIMATE ON SPANISH BUSINESS HIGHER EDUCATION INSTITUTIONS M.E. Aldazabal, M. Espinosa-Pike, A.M. Martin-Arroyuelos	4154
DEMONSTRATION EXPERIMENTS SUPPORTED ON VIDEO EXAMPLES AS A USEFUL TOOL IN TEACHING PHYSICS J.M. Muñoz, C. Torres, O. Alejos, P. Hernández-Gómez, A. Grande	4164
IPADS IN ACTION: A CASE STUDY OF THE PERCEIVED BENEFITS AND LIMITATIONS OF THE ADOPTION OF TABLET PC'S BY AN IRISH POST-PRIMARY SCHOOL	4171
E STRITTE & LONGETON	

A CASE STUDY OF BLENDED LEARNING IN SENIOR CYCLE ECONOMICS C. Copeland, K. Johnston	4181
EXPLORING MACRO-LEVEL EDUCATIONAL ANALYTICS TO IMPROVE PUBLIC SCHOOLS IN A DEVELOPING COUNTRY T. Yousuf, I. Zualkernan	4192
MISTAKE-HANDLING STRATEGIES IN THE MATHEMATICS CLASSROOM: AN ANALYSIS THROUGH VIDEO M. Corazza, M.C. Matteucci, R. Santagata	4200
LINKING ONLINE TEACHING AND ACADEMIC MANAGEMENT J. Molins, J. Busquiel	4209
MINING ENROLMENT DATA FOR EARLY IDENTIFICATION OF AT-RISK STUDENTS Y.H. Lee, S. Chong	4214
STRENGTHENING AND MEASURING PROJECT MANAGEMENT COMPETENCES OF ENGINEERING STUDENTS I. Ortiz Marcos, L. Ballesteros Sánchez, T. Prieto Remón, A. Uruburu Colsa	4221
THE IMPACT OF ERASMUS MOBILITY ON MILITARY TECHNICAL HIGHER EDUCATION C.E. Moldoveanu, I.R. Edu, T. Rotariu, G. Andruseac	4233
UTILIZATION OF VIDEOCAST TOOLS TO IMPROVE THE LEARNING OF PLANT BREEDING TECHNIQUES IN PRE-GRADUATE AND MASTER STUDENTS OF AGRICULTURAL SCIENCES	4239
A. Fita, I. Andújar, S. Vilanova, M. Plazas, S. Soler, F.J. Herráiz, E. Moreno, M.D. Lerma, J. Prohens, A. Rodríguez-Burruezo	
COLLABORATIVE LEARNING IMPROVE THE LEVELS OF GENERIC SKILLS ACQUISITION M.I. Torres, T. Palomeque, G. Liébanas, M.J. Colmenero, P. Lorite	4244
WE NEED MORE THAN GRAMMAR: AN EXPERIENCE THROUGH ACTIVE METHODOLOGIES M.L. de Ramón Bou	4249
APPLICATION OF CONFIDENCE INTERVALS IN THE MULTIPLE CHOICE EVALUATION SYSTEM. PART II T. Boronat, D. Garcia-Sanoguera, L. Sanchez-Nacher, O. Fenollar, R. Balart, V. Fombuena	4256
DEVELOPING VIRTUAL INSTRUMENT FOR THE SUBJECT DATA ACQUISITION SYSTEMS OF THE DEGREE IN INDUSTRIAL ELECTRONIC ENGINEERING G. Jimenez-Castillo, C. Rus-Casas, F. Muñoz-Rodriguez, E. Torres-Jimenez, R. Dorado-Vicente	4259
PROJECT BASED LEARNING IN INTERNATIONAL CONTEXT IN SUSTAINABILITY AND GLOBAL ECONOMY. TIME EUROPEAN SUMMER SCHOOL: A TRULY EUROPEAN LEARNING EXPERIENCE I. Ortiz Marcos, T. Fransson, P. Hagström, R. Zandonini, G. Horvath, R. Abeyweera	4266
MODELING – A COMPUTATIONAL THINKING CONCEPT AND TOOL FOR CROSS- CURRICULAR TEACHING C. Salbrechter, I. Kölblinger, B. Sabitzer	4280
THE DESIGN OF AN E-LEARNING MODULE CENTERED IN THE USE OF AN INNOVATIVE WEB HEALTH APPLICATION FOR ATTENTION DEFICIT HYPERACTIVITY DISORDER MONITORING M. Sanches-Ferreira, A. Chifari, M. Santos, M. Silveira-Maia, S. Alves, G. Merlo, L. Seta, G. Chiazzese	4291
A CONTEXTUALIZED APPROACH TO TEACHING CHINESE IN THE NON-NATIVE ENVIRONMENT: A CASE STUDY AT RHODES UNIVERSITY, SOUTH AFRICA Y. Yang	4299
SELF- LEARNING AND CRITICAL REASONING: METHODOLOGY OF LEARNING IN THE CONTEXT OF FLIPPED CLASSROOM C. Queiro-Ameijeiras, P. Moreno-Muñoz, A. Galeano-Revert, B. Barrado-Jiménez	4303
ULTT – A UNIVERSAL LEARNING AND TEACHING TOOL FOR COOPERATIVE OPEN LEARNING M. Kesselbacher, C. Mößlacher, S. Pasterk, B. Sabitzer	4308
IN SEARCH OF INNOVATIONS IN THE TEACHING AND LEARNING PROCESS: THE EXPERIMENTAL ACTIVITIES IN THE INDUSTRIAL AUTOMATION COURSE IN MEDIUM/TECHNICAL LEVEL M. Ikeshoji, E. Ikeshoji, A. Terçariol	4318
THE HIGHER EDUCATION, FACTOR OF ECONOMIC AND SOCIAL PROGRESS D. Neamtu, D. Burac	4328

DESIGN PRINCIPLES TO ARCHITECTURE STUDENTS 1. Zualkernan, K. Mitchell, S. Shapsough, H. Ahmed, S. Amin	4338
PROJECT-BASED PEDAGOGY FOR A NEW PRODUCT DEVELOPMENT B. Abaza, I. Paraschiv, M. Spiroiu, C. Stanciu	4348
METHODOLOGICAL LEVELS IN CREATIVITY MANAGEMENT G.M. Moraru	4359
ICT USE AT HOME AND AT SCHOOL: A STUDY ON 8- TO 12-YEAR OLD STUDENTS IN LUXEMBOURG C. Max, J.Y. Song, N. Hack	4366
A FRAMEWORK FOR ADAPTIVE E-LEARNING FOR CONTINUUM MECHANICS AND STRUCTURAL ANALYSIS J.C. Mosquera-Feijoo, L. Plaza-Beltrán, B. González-Rodrigo	4376
SUPPORTING GERMAN SMES TO ADAPT TO CURRENT EDUCATIONAL INNOVATIONS J. Schmidt, J. Gunnoltz, F. Habermann, S. Quade	4384
TRAINING MANAGEMENT AND THE ATTITUDE OF SOUTH AFRICAN POLICE SERVICE OFFICIALS TOWARDS IN-SERVICE EDUCATION AND TRAINING S.M. Slingers, E.E. Obioha	4393
SNAP QUIZ: ENCOURAGING STUDENTS TO REFLECT THROUGH SELF-ASSESSMENT USING MOBILE BASED QUIZZES R. Law, J. Devon	4402
PROJECT METHOD MODALITIES IN HIGHER EDUCATION, ARCHITECTURE: THE CASES OF ETSAV VALENCIA AND ABE-A KTH STOCKHOLM M.C. Veses Jimenez, I. Bosch Reig	4413
PEDAGOGICAL TOOLS DESIGNED TO PROMOTE ENGAGEMENT AND ACTIVE LEARNING IN THE BIOMEDICAL SCIENCES AND ALLIED HEALTH DISCIPLINES M. O'Brien	4422
TEACHING EXPERIENCE ABOUT COORDINATION AND CONTINUOUS ASSESSMENT OF STUDENTS IN TWO COURSES OF INDUSTRIAL HYGIENE AREA OF THE OCCUPATIONAL HEALTH AND SAFETY MASTER OF THE UPV B. García-Fayos, M.V. Galiana, J.M. Arnal, M. Sancho	4430
BEYOND THE IMAGINE: THE EXPERIENTIAL WORKSHOPS FOR PROMOTING REFLECTION ON GENDER ISSUES M.R. Strollo, M. De Simone, A. Romano	4440
TRACKING OF SAFETY LEARNING IN TWO LAST YEARS OF CHEMICAL ENGINEERING DEGREE M. Sancho, B. García-Fayos, J.M. Arnal	4450
CREATIVITY IN ROMANIAN EDUCATION SYSTEM G.M. Moraru	4459
IMPORTANCE OF ATTENDANCE IN ACHIEVING THE COMPETENCY OBJECTIVES J. Ibáñez Civera, N. Laguarda Miró, E. García Breijo, L. Gil Sánchez, C. Conesa Domínguez, C. Olguín Pinatti, E. Loeff	4465
LEARNING PROCESS OF THE VIBRATION GENERATION BY IMPACT ON FLOOR USED IN BUILDING ENGINEERING STUDENTS C. Moron, A. García, D. Ferrandez	4469
COMPUTER LITERACY AND THE USE OF COMPUTER TECHNOLOGY IN THE SOUTH AFRICAN POLICE SERVICE S.M. Slingers, E.E. Obioha	4476
AN INTEGRATED APPROACH TO INQUIRY BASED SCIENCE LEARNING IN A SECONDARY SCHOOL: DESIGNING A COLONY ON MARS E. Rusman, O. Firssova, T. Janssen, M. Specht	4483
INTELLIGENT LEARNING ENVIRONMENTS A. Afanasyev, N. Voit, T. Egorova, O. Novikova	4493
AN INSIGHT INTO MENTORING PRACTICES AS PART OF UNIVERSITY TEACHERS' LIFELONG LEARNING C. Lobato, N. Guerra	4503
BRIDGING THE DIGITAL DIVIDE: INTERGENERATIONAL LEARNING A. Colibaba, I. Gheorghiu	4513

UNIVERSITY (DTMU) EXPERIENCE N. Tabagari, P. Tsagareishvili	4519
GAME MECHANICS AND ITS CONNECTION WITH PEDAGOGICAL APPROACH D. Barbieru, D. Beligan, I. Roceanu	4524
PROMOTING TRANSVERSAL COMPETENCES IN FINAL DEGREE PROJECTS: SOME EXPERIENCES AT THE UPV N. Laguarda Miró, C. Conesa Domínguez, J. Ibáñez Civera, E. García Breijo, L. Gil Sánchez, R. Montes	4531
Robles	
ADAPTIVE SYSTEM PROTOTYPE: AUTOMATED AND CUSTOMIZED LEARNING EXPERIENCE A. Marengo, A. Pagano, G. Monopoli	4536
DISCUSSION ON THE PEDAGOGICAL ADDED VALUES OF ADOPTING SERIOUS GAMES IN ENTREPRENEURSHIP EDUCATION A. Antonaci, F.M. Dagnino, E. Lavagnino	4545
FINANCIAL LITERACY – CAN IT BE MEASURED AND CAN IT BE TAUGHT? B. Greimel-Fuhrmann	4546
INNSENS (TRAINING IN INNOVATION THROUGH THE CONSUMER AND SENSORY SCIENCES) M. Lorente Lamas, C.T. Serrano Brocas, M.J. Sánchez Climent	4553
NEW WAYS OF TEACHING METACOGNITIVE SKILLS IN HIGHER EDUCATION: CONVERSTAND, A SOFTWARE FOR A BETTER KNOWLEDGE ACQUISITION L. Bort Mir	4557
TECHNOLOGY ENHANCED VISIT TO MUSEUMS. A CASE STUDY: "KEYS TO ROME" A. Antonaci, A. Pagano	4563
HOW TO PROVIDE AN ENVIRONMENT TO TEACH BOTH TECHNICAL AND SOFT SKILLS J. Kammermann, H.G. Herzog	4571
YOUTH PERCEPTIONS ABOUT THEIR FAVORITE TV SERIAL FICTIONAL CHARACTER O. Korres, I. Elexpuru	4575
EXPERIENCES FROM HEALTHCARE LOGISTICIAN EDUCATION U. Kotonen, U. Tuominen, A.N. Maksimainen	4586
THE JUNIOR SCIENCE PROJECT – TO DEVELOP ATTENTION AND CONCENTRATION IN EARLY STAGES OF EDUCATION THE PERCEPTION OF FUTURE TEACHERS F. Teixeira e Costa, H. Pratas, A. Paramés, V. Harry Leite, L. Ribeiro	4596
NATIONAL PLAN FOR QUALITY AND MERIT: STUDENTS ASSESSMENT AS THE FIRST STEP IN THE PATH TO SCHOOL IMPROVEMENT E. Morini, S. Mori, S. Greco, F. Storai	4597
CYBER SECURITY CHALLENGES OF DISTRIBUTED E-LEARNING SYSTEMS I. Bandara, I. Ioras, K. Maher, C. Lusuardi	4605
AN INTERNATIONAL COLLABORATIVE LEARNING ENVIRONMENT: DESIGN AND IMPLEMENTATION FOR LANGUAGE EDUCATION S. Sekiguchi, Y. Hashimoto	4610
DRAWING AS A DESIGN STRATEGY. SPECIFIC ARCHITECTURAL DRAWING NARRATIVES FOR PARTICULAR ARCHITECTURAL DESIGNS C. Marcos, A. Allepuz	4617
INNOVATE AND INCREASING AWARENESS OF GREEN ECONOMY THROUGH DIGITAL TOOLS: RESULTS FROM THE EVALUATION PROCESS IN VET TEACHERS S. Kasola, G. Santamaria, L. Lizama	4628
AN ACTIVE KNOWLEDGE SERVICE FOR ART EDUCATION K. Igarashi, S. Seino, R. Yoshioka	4636
EDUCATION EVALUATION IN STUDENTS WITH SEVERE MULTIPLE DISABILITIES J. Kantor, J. Chrastina, L. Ludíková	4645
BEYOND THE HARMONIZATION OF THE EUROPEAN PHD EDUCATION: REPORTING ON A NORWEGIAN-RUSSIAN EXPERIMENT AIMING AT HANDLING DIFFERENCES IN RESEARCH TRADITIONS IN BUSINESS STUDIES N. Nazarova, A. Bourmistrov	4656
A WEB PORTAL FOR MOBILE BASED RESPONSE SYSTEMS K. Arnesen, J.B. Stav, T. Talmo	4664

THE RELATIOSHIP BETWEEN LEARNING APPROACHES AND ACADEMIC PERFORMANCE IN SECOND-YEAR PHYSIOTHERAPY STUDENTS G. Rodríguez-Fuentes, I. Machado de Oliveira	4670
CHALLENGES FACING EMERGENT BILINGUAL LEARNERS' ENGLISH LITERACY DEVELOPMENT IN SOUTH AFRICA AND SPAIN A. van Staden, N. Jeftha, F. Serrano	4675
DIFFERENCES BY GENDER IN ACADEMIC GOALS IN SECOND YEAR PHYSIOTHERAPY STUDENTS AT UNIVERSITY OF VIGO I. Machado de Oliveira, G. Rodríguez-Fuentes	4684
IS THERE STILL A NEED TO ENHANCE E-COMMUNICATION SKILLS AND E-MODERATION SKILLS OF STUDENTS AT A TECHNICAL UNIVERSITY? I. Herbst, G. Rakoczi	4689
FACTORS INFLUENCING SERVICE QUALITY AMONG DISTANCE LEARNERS IN KENYA. A CASE STUDY OF KCA UNIVERSITY DISTANCE LEARNING STUDENTS W. Nyaribo	4695
LINKIN SPACES A NEW FRAMEWORK FOR BUILDING THIRD MILLENNIUM LEARNING ENVIRONMENTS F. Mokhtar Noriega, C.M. Vizoso Martin	4705
HOW DO CURRENT STUDENTS FACE MATH PROBLEMS SOLVING? C. Jordán, A. Cordero, J.R. Torregrosa	4716
EVALUATION OF THE CURRICULAR EXTERNAL INTERNSHIPS AT THE FACULTY OF EXPERIMENTAL SCIENCES AT THE UNIVERSITY OF JAÉN P. Lorite, G. Liébanas, P. Arranz, G.A. de Gea, R. Caballero, E. Ruiz, A.M. Carreras, F. Aranda	4722
THE USE OF PEDAGOGIC LANGUAGE IN MBA PROGRAMMES J. Alokluk, B. Allan	4728
INTEGRATING E-PORTFOLIOS INTO ENGINEERING DESIGN COURSES D. Pusca, H. Eiliat	4733
EARLY INTERVENTION FOR FIRST-GRADE STUDENTS AT RISK FOR DEVELOPING MATHEMATICAL LEARNING DIFFICULTIES: EXPLORING THE ROLE AND INTER-RELATEDNESS OF COGNITIVE FACTORS, VISUAL PERCEPTUAL AND EARLY NUMERACY SKILLS L. Eksteen, A. van Staden, A. Tolmie	4741
THE GREEN ACCOUNTING APPLIED IN ORDER TO IDENTIFY NATURAL CAPITAL AND ITS FORTRESSES IN COUNTRIES J.G. de la Vega Meneses, M.J. Rivero Villar	4749
UNDERSTANDING THE CREATIVE ECONOMY: AN IMPORTANT INDUSTRY ABLE TO ENCOURAGE JOB CREATION, INNOVATION, TRADE, SOCIAL INCLUSION, CULTURAL DIVERSITY AND SUSTAINABILITY J.G. de la Vega Meneses, M.J. Rivero Villar	4755
CLASSROOM CLIMATE IN GREEK SCHOOL - PRIMARY AND SECONDARY EDUCATION: DIFFERENTIATIONS AMONG STUDENTS BASED ON GENDER T. Babalis, C. Koutouvela, N. Stavrou	4762
THE IMPACT OF AUTHENTIC PEDAGOGY IN ENHANCING UNDERGRADUATE LEARNING AND THINKING OUTCOMES IN ONLINE UNDERGRADUATE PSYCHOLOGY COURSES M. Killen	4769
THE EVOLUTION OF HIGHER EDUCATION IN PORTUGAL: THE EXPANSION AND REGIONALISATION OVER THE LAST DECADES L. Cerdeira, J.T. Patrocinio, B. Gil Cabrito, M.L. Machado-Taylor	4778
FACULTY DEVELOPMENT FOR ENGAGING IN ONLINE DISCUSSION PARTICIPATION IN HIGHER EDUCATION L. Bedford	4791
LEARNING FROM CONFLICT IN HIGHER EDUCATION E. Simoes, P. Rosado Pinto, F. Almeida	4797
INSTITUTIONAL AND LEARNER READINESS FOR E-LEARNING IN THE MALDIVES F. Thaufeega, N. Crowe, M. Watts	4807
THE ADDED VALUE; A FOUR DIMENSIONAL PERSPECTIVE INTO JOINT INDUSTRIAL/EDUCATIONAL COLLABORATION LINKS P. Juskiw	4817

M. Molina-Alarcón, M. Molina, R. Garriga, F. García-Alcaraz, R. Varón, M. García-Moreno, J.L. Blanco, M. López-Molina, J. Sotoca, A. Terrones, M. López, M.L. Amo, F. García-Sevilla, J. Masiá, M. del Rey, M.D. Masiá	4825
DIVERSIFICATION STRATEGIC MODULAR METHOD FOR SME: DISMEM J. Ganzarain, N. Errasti, L. Markuerkiaga	4831
A MASSIVE OPEN ONLINE COURSE FOR ACADEMIC LITERACY M.D. Jiménez-López, M.D. Gimeno-Puyol, M. Herrera-Rodrigo, M.J. Rodríguez-Campillo	4840
STUDENTS' GUIDE AS A REFERENCE FOR A COMMON CASE STUDY IN A MASTER DEGREE IN CONSTRUCTION MANAGEMENT J. Jiménez, S. Segado, V. Yepes, E. Pellicer	4850
COMPETENCES DEVELOPMENT FROM TWO PERSPECTIVES: BUSINESSMEN VS. GRADUATES	4858
L. Duque, M. Pujol Jover, C. Riera Prunera	
INTEGRATION OF EDUCATIONAL RESOURCES ON THE ORGANIZATION OF TEACHING MATERIALS EAD: OUTLINING POTENTIAL A. Terçariol, F. Mello	4870
THE LAST PLANNER SYSTEM OF CONSTRUCTION PLANNING AND CONTROL AS A TEACHING AND LEARNING TOOL E. Pellicer, F. Cerveró, A. Lozano, J.L. Ponz-Tienda	4877
THE DEVELOPMENT OF ELECTRONIC COURSEWARE ENTITLED "ENGLISH VOCABULARY" BY USING MOTHER TONGUE-BASED FOR PRATHOM SUKSA 4 STUDENTS IN THE MULTICULTURAL SCHOOL P. Saiwongpanya, S. Sengsri	4885
THE EUROPEAN HIGHER EDUCATION AREA AND THE UNIVERSITY STUDENTS M.J. Colmenero, M.I. Torres, T. Palomeque, G. Liébanas, P. Lorite	4895
THE AUTHENTICATION METHODS ACCEPTANCE AMONG EMPLOYEES OF SMES AND ITS INCREASING BY EDUCATION M. Juszczyk, G. Koziel	4899
SATISFACTION OF POSTGRADUATE ALUMNI IN NEW INFORMATION TECHNOLOGIES – RESEARCH RESULTS M. Miłosz, G. Koziel, S. de Juana Espinosa	4908
GROUP GAMES IN MATHEMATICS LEARNING: A RESOURCE FOR EVERYONE P. Caballero García, M.J. Carretero Cenjor, P. Fernández Palop	4918
ACQUISITION OF CRITICAL THINKING COMPETENCY THROUGH THE INTERDISCIPLINARY IN THE DEGREE IN PHYSICAL ACTIVITY AND SPORT SCIENCE C. Ferragut, M.D. Gonzalez-Rivera, A. Villalba, H. Vila, M.L. Rodriguez	4924
INDICATORS OF GENDER EQUALITY AS AN ASPECT OF EDUCATION EVALUATION J. Djermanov, M. Djukic, J. Vukicevic	4930
NEW CHALLENGES FOR HIGHER EDUCATION: COLLABORATION BETWEEN LECTURERS-STUDENTS-COMPANY	4939
R. Lostado Lorza, M. Corral Bobadilla, F. Somovilla Gómez, M.A. Martínez Calvo	
INSERTING ERGONOMICS AND HUMAN FACTORS INTO A PEDAGOGY FOR DIGITAL WORK L. Chaves, L. Fagundes, L. Guimarães	4948
ACTIVATION OF THE VOCATIONAL AND PERSONAL DEVELOPMENT (ADVP): AN INNOVATIVE EDUCATIONAL ORIENTATION METHODOLOGY L. Longo	4956
MICROPIL: A COLLABORATIVE UNIVERSITY-INDUSTRY LEARNING EXPERIENCE TO DEVELOP INNOVATION MANAGEMENT CAPABILITIES IN SMES J.I. Igartua, J. Ganzarain, M. Ruiz	4963
TEACHING OCCUPATIONAL RISK PREVENTION FOR UNDERGRADUATE COURSES IN CIVIL ENGINEERING M.A. Sanz, A. Lozano, C. Torres-Machí, E. Pellicer	4971
RE(HAB)APP – A APP FOR HELPING MENTAL STRUGGLE OF THE STUDENTS S. Natarajan	4977
SOFTWARE ARCHITECTURE IMPLEMENTATION BASED ON OPENSIM D. Contreras, D. Fernández-Avilés, J.C. Salazar Calderón	4982

LICENSING OR SPIN-OFFS? A COMPARISON OF THE SCANDINAVIAN COUNTRIES TECHNOLOGY-TRANSFER REGIMES L. Bengtsson	4988
TEACHER MEDIATION OF STUDENTS LEARNING USING VISUAL REPRESENTATIONS DISPLAYED BY COMPUTER SIMULATIONS E. Saraiva, J.B. Lopes, J.P. Cravino, C. Santos, A.E. Cunha	4996
THE COMPETENCES REQUIRED FOR MANUFACTURING ENGINEERS TO MANAGE THE INDUSTRIAL IMPLEMENTATION OF THE INCREMENTAL FORMING PROCESS M. Tera	5006
ACADEMIC CHAIRS AND THEIR NEW ROLE AS CORPORATE MANAGERS Y. Amani, C. Strez	5014
MULTI-SENSORY ACTIVITIES FOR TEACHING PHYSICS E. Bossio, C. Rizzuti	5015
MULTIMODAL PRODUCTION OF SIGNS IN THE APPROPRIATION OF RELATIONS BETWEEN A FUNCTION AND ITS DERIVATIVE E. Quintero, P. Salinas	5023
DESIGN OF E-BOOK AS AN ONLINE TOOL FOR WINE CONTROL ANALYSIS M.D. Tenorio Sanz, I. Mateos-Aparicio, M.L. Perez Rodriguez, M.A. Zapata, J.M. de Prádena Lobón, A. Redondo, M. García-Mata, M.J. Villanueva	5033
FOSTERING VISUALIZATION FOR THE LEARNING OF CALCULUS THROUGH AUGMENTED REALITY P. Salinas, E. Quintero, E. González-Mendívil	5039
FAMILY INFLUENCE AND OTHER RELATED ISSUES WITHIN INTERNATIONAL COMPARATIVE VIEW OF EDUCATIONAL SYSTEMS WITH A FOCUS ON THE CZECH REPUBLIC D. Vrabcová	5047
EXAMPLE OF APPLICATION OF THE "CASE STUDY" METHODOLOGY IN THE TEACHING OF ANALYTICAL CHEMISTRY D. Airado-Rodríguez, M.D. Víctor-Ortega	5054
COMPARATIVE STUDY OF EMPLOYABILITY BETWEEN SPANISH AND FRENCH STUDENTS IN CIVIL ENGINEERING C. Torres-Machí, A. Dahan, V. Yepes, E. Pellicer	5060
AN ONLINE COMMUNITY OF PHYSICS TEACHERS AS A PROFESSIONAL DEVELOPMENT FRAMEWORK M. Harris, F. Pagora, H. Pargar, P. S. Friday, S. Lagra, F. Magora, I. Shriparghand, I. Vaignaga, M. Waltar	5068
M. Hans, E. Bagno, H. Berger, B.S. Eylon, S. Levy, E. Magen, J. Shvarzbord, I. Veisman, M. Walter MOBILE LEARNING IN HIGHER EDUCATION - THE RECEPTIVITY AND PREDISPOSITION OF STUDENTS AND TEACHER: A CASE OF STUDY A. Sousa, M. Pinto	5078
IMPLEMENTATION OF BLENDED LEARNING AT THE PHD LEVEL OF STUDY ON THE EXAMPLE OF THE FACULTY OF PHILOLOGY (UNIVERSITY OF BELGRADE) A. Vranes, L. Markovic	5086
ASSESSING AND TRAINING LANGUAGE SKILLS WITH MOBILE TECHNOLOGIES AND METHODS E. Einum	5093
TEACHERS' BELIEFS, ATTITUDES AND INTENTIONS ABOUT USING DYNAMIC SOFTWARE IN THEIR MATHEMATICS CLASSROOM G. Stols	5099
SIMULATION TOOLS AS ACTIVE METHODOLOGIES FOR THE LEARNING OF ELASTICITY AND STRENGTH OF MATERIALS A. Lapuebla-Ferri, F. Giménez-Palomares, A.J. Jiménez-Mocholí, A. Espinós-Capilla, J.A. Monsoriu-Serrá	5109
ERASMUS ACTIONS FOR THE EUROPEAN ENVIRONMENT C. Calderón-Guerrero, M.P. Arraiza Bermúdez-Cañete, J.L. García, J.V. López, M.C. Giménez, J.C. Santamarta, F. Ioras, I. Abrudan, B. Gálos, G. Zaimes	5120
THE IMPLEMENTATION OF THE BOLOGNA PROCESS AND ACADEMIC OUTCOMES: AN EXPLORATORY STUDY AT REY JUAN CARLOS UNIVERSITY J.A. Zúñiga-Vicente, F.J. Forcadell-Martínez, S. Medina-Salgado, M. Sacristán-Navarro	5130
TUTORIAL PLANS ON CHANGING SCENARIOS C. Calderón-Guerrero, M.P. Arraiza Bermúdez-Cañete, J.V. López Álvarez	5138
FLIPPED CLASSROOM AS A STEPPING STONE FOR INTEGRATING TPACK MINDSET IN TEACHER EDUCATION I.B. Log, H. Swensen	5142

AUTHORING TOOLS AS INSTRUMENTS FOR A NEW APPROACH OF EDUCATIONAL PLANNING A. Maia, J.B. Lopes, P. Martins, T. Pessoa	5149
FROM STORYTELLING TO PICTURETELLING IN ART DIRECTION. A CROSS-MEDIA EXPERIMENT TO DEVELOP PRODUCTS FOR REAL CLIENTS L. Cortés-Selva	5159
IS IT IMPORTANT TO USE TECHNOLOGY IN PRE-SERVICE TEACHERS' GEOMETRY COURSES? G. Stols	5165
INTENSIVE PROGRAMME HERCULES EXPERIENCE AT PAVIA J.A. Martínez, J.T. Garfella Rubio, A. Salandin	5166
A VIRTUAL LABORATORY FOR THE STUDY OF CONTINUOUS PROBABILITY DISTRIBUTIONS	5175
F. Giménez-Palomares, M.J. Marín-Fernández, J.A. Monsoriu-Serrá DEVELOPING PEDAGOGICAL PRACTICES IN PRIMARY SCHOOLS: PEER LEARNING TO IMPROVE SCHOOL AS A COMMUNITY F. Pedone	5182
TEACHING DIFFERENT TYPES OF AIR CONDITIONING SYSTEMS USING SIMULATION SOFTWARE A. Gómez-Moreno, J.M. Palomar Carnicero, F. Cruz-Peragón	5183
EXPLORING A NARRATIVE GAME-BASED LEARNING PLATFORM AS A VEHICLE FOR INCLUSION L. Gjedde	5193
ENHANCING INCLUSION THROUGH TEACHERS' SELF-ASSESSMENT F. Pedone	5194
DIGITAL STORYTELLING AT THE UNIVERSITY G. Cappuccio	5204
OBSERVING HABITS OF MIND IN PRIMARY SCHOOL G. Cappuccio	5211
DATA ACQUISITION SYSTEMS IN RENEWABLE ENERGY A. Gómez-Moreno, J.M. Palomar-Carnicero, F. Cruz-Peragón	5220
COMMUNITY MANAGER: FORMATIVE EXPERIENCE INTERNATIONAL LEARNING COMMUNITIES IN HIGHER EDUCATION M.D. Díaz Noguera, A.I. Zanfrillo	5221
METHODOLOGY APPLIED TO DIDACTIC TOOLS DEVELOPMENT: AN INDUSTRIAL DESIGN APPROACH SOLUTION M.A. Parra Mazuera, J.J. Cardozo Vásquez	5227
A TEACHING STRATEGY INVOLVING THE USE OF CLICKERS IN HIGHER EDUCATION MASTER CLASS S. Llorens, E. Arribas Garde, M.M. Arroyo-Jiménez, E. Artacho-Pérula, M. Carmona, M. Fernández, M.F. Galindo, R. Insausti, J. Jordán, M.E. Legidos-García, P. Marcos, A. Mohedano-Moriano, M. Muñoz, A. Nájera, E. Nava, C. Fernández Vaquero, B. Domingo	5236
AN EXPERIMENT IN FLIPPED LEARNING IN HIGHER EDUCATION. THE STUDY OF THE INFLUENCE OF FLIPPED LEARNING IN THE MOTIVATION OF ENGINEERING STUDENTS G. Castilla, J.J. Escribano, M. Romana	5246
EVIDENCE – BASED MEDICINE AND EVIDENCE – BASED MIDWIFERY PRACTICE – KNOWLEDGE AND ATTITUDES OF STUDENTS OF MIDWIFERY J. Belowska, M. Panczyk, A. Zarzeka, J. Gotlib	5255
ACTUAL LEGAL BACKGROUND CONCERNING CURRICULAR SEA SERVICES IN SPAIN I. Basterretxea, A. Basterretxea, I. Sotes, E. Lopez, J.I. Uriarte, I. Pellon, I. Alcedo	5265
NEW ECTS EXPERIENCES IN MATERIALS ENGINEERING DEGREE M. Sanchez, S. Gonzalez Prolongo, A. Jimenez-Suarez, R. Moriche, M. Campo, A. Ureña	5270
JOB PROFILE MODELLING WITH A TOOL "COMPETENCE PROFILER AND ADVISOR" B. Kaucic, S. Avsec	5279
BEST PRACTICES FOR TEACHING BOYS G. Zanniello	5289
TOUCH TEACH LEARN. UNLOCKING THE POTENTIAL OF TOUCH ENABLED MOBILE DEVICES FOR HIGHER EDUCATION J. Lievens, T. Van Daele	5298

CURRICULAR SEA SERVICE IN MARINE ENGINEERING STUDIES A. Basterretxea, I. Basterretxea, I. Sotes, E. Lopez, J.I. Uriarte, I. Pellon, I. Alcedo	5305
INFLUENCE OF NON-TEXTUAL GEOGRAPHIC INFORMATION AND TEXT DIFFICULTY FOR CHOOSING THE APPROPRIATE TEXTBOOKS OF GEOGRAPHY P. Simbartl	5311
PATHS TO UPGRADE SOCIAL AND CULTURAL COMPETENCE OF STUDENTS LEARNING FOREIGN LANGUAGES S. Kurbakova, A. Kurchenko	5317
USE OF LOW COST ARCHITECTURAL GRAPHIC EXPRESSION TOOLS FOR TRAINING IN TECHNICAL ARCHITECTURE BACHELOR'S DEGREE M.J. Mañez Pitarch, J.T. Garfella Rubio, J.A. Martinez Moya, D. Alemany Julia	5324
COGNITIVE SCHEME TO DEVELOP SKILLS OF LISTENING AND READING S. Kurbakova	5330
USING EDUCATIONAL ONLINE GAMES TO DEVELOP LINGUISTIC COMPETENCES IN FOREIGN LANGUAGE LEARNING P. Krystalli	5338
TEACHER DECISIONS AND DIDACTICAL INTENTIONALITY USING COMPUTER SIMULATIONS IN PHYSICAL SCIENCE CLASSROOMS C. Santos, J.B. Lopes, E. Saraiva, A.E. Cunha	5347
CONVERGENCE BETWEEN TWO DIFFERENT ENGINEERING DEGREES THROUGH PRACTICES AND THE GUIDED PROJECT M.J. Mañez Pitarch, J.T. Garfella Rubio, J.A. Martinez Moya, D. Alemany Julia	5357
WHY STUDENTS FAIL TO GRADUATE ICT-RELATED CURRICULA AT UNIVERSITY LEVEL H. Altin, R. Rantsus	5364
CLOUDING COMPUTERS? THE REPORTING OF ICT USE WITHIN A DISCOURSE OF INEVITABILITY O. McGarr, A. McDonagh	5369
RECEPTIVE MUSIC ACTIVITIES FOR STUDENTS WITH MULTIPLE DISABILITIES S. Drlíčková, J. Kantor	5375
EU COHESION POLICY IN THE POST-CRISIS EUROPEAN UNION: CONVERGENCE AND COMPETITIVENESS A. Bargaoanu, L. Radu	5384
SELF-ASSESSMENT AND SELF-LEARNING IN AUDIO ENGINEERING L.P. Garcia Morales, A. Minguez Olivares, J. Grundman Isla, F.J. Tabernero Gil	5390
TRIGGER - TRIGGER TEACHERS AND LEARNERS BY INCLUDING NEW SKILLS AND CFEC DOMAINS IN THEIR EDUCATIONAL PROGRAMME FOR SECONDARY EDUCATION K. Kaleja, M. Kroese	5395
USE OF WRITTEN TESTS BEFORE/AFTER LECTURES TO IMPROVE COMPREHENSIVE READING BY USING COMPLEMENTARY SOFTWARE L. Parras, C. del Pino, J.F. Velazquez-Navarro	5403
THE USE OF BIG-DATA AND META-DATA FROM THE SO.RE.COM. "A.S. DE ROSA" @-LIBRARY FOR GEO-MAPPING THE SOCIAL REPRESENTATION THEORY'S DIFFUSION OVER THE WORLD AND ITS BIBLIOMETRIC IMPACT A.S. de Rosa	5410
TECHNICAL SUPPORT OF INNOVATION IN PRE-GRADUAL PREPARATION OF VOICE PROFESSIONALS IN EDUCATIONALLY ORIENTED UNIVERSITY STUDENTS L. Šebková, K. Vitásková, A. Říhová	5426
AN ACTIVITY THEORY BASED SOCIAL SKILLS INTERVENTION FOR CHILDREN WITH AUTISM SPECTRUM DISORDER S. Gadalla, F. Gadalla	5436
KORACH'S FALL: A GAME BASED LEARNING ENVIRONMENT FOR INFORMAL JEWISH EDUCATION B. Goldberg, M. Wagner	5442
THE EUROPEAN/INTERNATIONAL JOINT PHD IN SOCIAL REPRESENTATIONS AND COMMUNICATION: A PIONEER CASE OF TRIPLE "I" (INTERNATIONAL, INTERDISCIPLINARY, INTERSECTORAL) NETWORKED JOINT DOCTORATE A.S. de Rosa	5449
SOPHISTICATED THINKING: TEXT, TASK, AND SITUATION E. Tikhonova, N. Kudinova, E. Golubovskaya	5461

A CONCEPT FOR REPRESENTATION OF LEARNING CONTENT BY KEYWORDS IN LEARNING MANAGEMENT SYSTEMS N. Englisch, H. Heller, W. Hardt	5471
TEACHING AND LEARNING METHODOLOGIES APPLIED TO A POSTGRADUATE EUROPEAN MASTER DEGREE IN CONSTRUCTION PROJECT MANAGEMENT J.M. Cardoso Teixeira, P.O. Nowak, A. Minasowicz, E. Pellicer	5478
MEXICAN STUDENTS AT PRIMARY SCHOOL AND THEIR PERCEPTION AND ATTITUDE TOWARDS SCIENCE A. Cuevas Romo, M. Vega, R. Hernández Sampieri	5489
INNOVATIVE TECHNOLOGIES TO MAKE SCIENCE EDUCATION ATTRACTIVE TO DYSLEXICS CHILDREN G. Andruseac, C. Rotariu	5495
FACTORS AFFECTING UNIVERSITY STUDENT SELF-ASSESSMENT AND INDUSTRY EXPECTATIONS IN ROMANIA: A VALUES MISMATCH ANALYSIS S. Echevarria, D. Neagoie, I. Fotea, S. Vaduva	5504
ASSESSMENT OF PROJECT BASED LEARNING IN SOFTWARE ENGINEERING J. Daňa, P. Štěpánek, J. Ráček	5516
COMPARISON BETWEEN THE OPINION OF SECONDARY AND HIGH SCHOOL STUDENTS ABOUT THE USE OF THE PLATFORM "MOODLE" M.D. Víctor-Ortega, D. Airado-Rodríguez	5522
THE EDUCATIONAL GRID D. Giannias, E. Sfakianaki	5535
EDUCATION MANAGEMENT STRATEGIES FOR THE PURPOSE OF LIFELONG LEARNING V. Pestean	5539
LEARNING FROM Z'S: "WEVLIE", A PLATFORM THAT FACILITATES KNOWLEDGE EXCHANGE BETWEEN GENERATIONS, TOWARDS A COLLABORATIVE LIFESTYLE F. Del Conte, S. Celik	5544
TEACHING SKILLS FOR LISTENING IN IELTS TEST PREPARATION E. Golubovskaya, E. Tikhonova	5553
INSTITUTIONAL SUPPORT OF INDIVIDUALS WITH MULTIPLE DISABILITIES IN THE CZECH REPUBLIC FROM THE PERSPECTIVE OF SPECIAL EDUCATION M. Friedlová, J. Kantor, J. Chrastina	5563
THE SEMINARS ON RHETORIC AS A CREATIVE LABORATORY FOR IDEAS. OPPORTUNITIES FOR IMPLEMENTATION OF THE KNOWLEDGE MANAGEMENT IN THE TEACHING OF RHETORIC L. Parijkova	5572
RELATIONSHIP BETWEEN EDUCATORS' PROFESSIONAL AND DEMOGRAPHIC CHARACTERISTICS AND THEIR ATTITUDES TOWARD GIFTED EDUCATION M. Ozturk, A. Ficici	5580
THE EFFECTIVENESS OF BUILDING A CULTURE OF LINGUISTIC SELF-EDUCATION AMONG STUDENTS IN LEARNING A FOREIGN LANGUAGE IN HIGH SCHOOL K. Hakobyan, N. Mekeko, E. Smygunova, G. Khorokhorina	5587
ATTITUDES TOWARD USING ENGLISH AS A MEDIUM OF INSTRUCTION AMONG EMIRATI MALE AND FEMALE FRESHMAN ENGINEERING STUDENTS N. Ayish	5596
EDUCATIONAL SOCIAL LIFE ENVIRONMENTS OF BASIC EDUCATION IN THE METROPOLITAN AREA OF NATAL- RN/BRAZIL: 2000 – 2010 M. Calle Aguirre, M. Xavier Aguirre, A. Santos de Pinho, C. Vivacqua, J.E. Ferreira Nunes Júnior	5597
STUDENT CONSULTING: WHERE QUALITY EDUCATION AND BENEFICIAL PRACTICE GO HAND IN HAND P. Marcin	5605
USING MOBILE DEVICES IN HIGHER EDUCATION - EXAMPLES AND TECHNICAL CHALLENGES O. Herden	5613
FLIPPING THE CLASSROOM WITH TECHNOLOGY C. Weiss, C. Blue	5623
EXPERIENCE FROM USING SPEECH AND LANGUAGE THERAPY SOFTWARE IN THE ASSESSMENT AND SPEECH EDUCATION OF CHILDREN WITH AUTISM SPECTRUM DISORDER K. Vitásková, A. Říhová	5629

SELF-EFFICACY CONCEPT AS A TOOL REFLECTING PROFESSIONAL DEVELOPMENT OF FUTURE TEACHERS K. Juklova	5638
QUAL4T - QUALITY CULTURE THROUGH EFFECTIVE INSTRUMENTS FOR TEACHERS AND TRAINERS A QUALITY TOOLKIT IS NOW PRESENTED, FILLED WITH USEFUL QUALITY INSTRUMENTS ON TODAYS EUROPEAN QUALITY THEMES M. Kroese, K. Kaleja	5645
QUIZ GAME APPLICATIONS TO REVIEW THE CONCEPTS LEARNT IN CLASS: AN APPLICATION AT THE UNIVERSITY CONTEXT B. Andres, R. Sanchis, R. Poler	5654
FACEBOOK IN THE UNIVERSITY ENVIRONMENT: TO WHAT EXTENT DO STUDENTS MAKE USE OF SOCIAL NETWORKING SITES AND INSTANT MESSAGING APPLICATIONS FOR UNIVERSITY-RELATED WORK AND STUDYING? P. Mir Bernal, J.F. Fondevila-Gascón	5663
INTERDISCIPLINARY EDUCATION AGENDA PROJECT: STUDENTS MOBILITY PROGRAMME B. Andres, R. Poler, R. Sanchis	5669
INTERNATIONAL COLLABORATION THROUGH A POSTGRADUATE EUROPEAN MASTER DEGREE IN CONSTRUCTION PROJECT MANAGEMENT P.O. Nowak, E. Pellicer, L. Ustinovicius, J.M.C. Teixeira, J. Paslawski, P. Nowak, T. Vilutiene, M. Ksiazek, A. Barvidas, A. Lozano, A. Minasowicz	5679
AN EXAMPLE OF GENERIC COMPETENCES INTEGRATION WITHIN TECHNOLOGICAL DEGREES N. Errasti, L. Markuerkiaga, N. Zabaleta	5686
THE USE OF INFORMATION TECHNOLOGY AMONG TURKISH UNIVERSITY STUDENTS M. Sozer, Z. Zeybekoglu, F. Cagan	5693
PECHAKUCHA NIGHT ON HUMAN RIGHTS: AN INTERDISCIPLINARY EXPERIENCE FROM THE COMPLUTENSE UNIVERSITY OF MADRID S.D. Paredes, M.I. Blázquez, M. Cornejo, A. González, R. Gredilla, E. Isorna, I. Marc, J.I. Pichardo, C.M. Simón, I. Solbes	5697
THE USE OF COMPUTERS AND NEW TECHNOLOGIES IN MUSIC EDUCATION AND MUSIC THERAPY OF INDIVIDUALS WITH PHYSICAL DISABILITIES J. Koucun, M. Friedlová, J. Kantor	5702
INNOVATIVE APPROACH TO BUSINESS INFORMATICS CURRICULUM REDESIGN V. Pavlicevic, P. Tumbas, P. Matkovic, M. Sakal	5711
ACQUISITION OF CROSS-CURRICULAR SKILLS IN THE FIELD OF ENGINEERING AT ETSID	5718
F. Romero Forteza, E. Ballester Sarrias, J.A. Monsoriu-Serrá	
A QUALITY INDICES-BASED PEDAGOGIC PROPOSAL FOR TRAINING VIRTUAL TUTORS L. Digion, S. Figueroa	5723
THE EMERGENCE OF PROPORTIONAL REASONING FROM EMBODIED INTERACTION WITH A TABLET APPLICATION: AN EYE-TRACKING STUDY S. Shayan, D. Abrahamson, A. Bakker, C. Duijzer, M. van der Schaaf	5732
NEW EDUCATIONAL PARADIGM: STUDENTS' ATTITUDES TOWARD ONLINE EDUCATION K. Kacapor, A. Rizvic	5742
EFFECTIVENESS OF OBPP AND SAVE PROGRAMS IN THE BULLYING REDUCTION AT PUBLIC SCHOOLS OF BUCARAMANGA, COLOMBIA Y.I. Beltrán Villamizar, L.J. Herrera Díaz	5749
SCHOLARS' USE OF DIGITAL TOOLS: OPEN SCHOLARSHIP AND DIGITAL LITERACY P. Cardoso, N.R. Oliveira	5756
EVALUATION OF AN INNOVATIVE TEACHING & LEARNING STRATEGY: INTERDISCIPLINARY PECHAKUCHA NIGHT ON HUMAN RIGHTS I. Solbes, M.I. Blázquez, M. Cornejo, A. González, R. Gredilla, E. Isorna, I. Marc, J.I. Pichardo, C.M. Simón, S.D. Paredes	5764
WISDOM IN HIGHER EDUCATION	5773

TOWARDS DESIGNING A COMPUTER APPLICATION FOR ENGLISH SIMPLE SENTENCES ANALYSIS: PEDAGOGICAL APPLICATION F. Khelout	5781
MECHATRONICS: A PRAKTIKUM EXPERIENCE FOR PROSPECTIVE STUDENTS APPROACH TO THE ETSID F. Romero Forteza, E. Ballester Sarrias, J.A. Monsoriu-Serrá	5784
WORKING TOGETHER TO PRODUCE A SCHOOL MAGAZINE M.B. Cabaleiro, M.I. Cortés	5789
USE OF APPLIED PRACTICAL WORK AND MULTIMEDIA MATERIAL IN ENGINEERING TEACHING: IMPROVEMENT IN LEARNING TURBOMACHINE AND WATER SUPPLY NETWORK DESIGN L. Parras, C. del Pino, J.F. Velazquez-Navarro	5799
FLIPPING TODAY'S CLASSROOM TO MEET THE NEEDS OF 21ST CENTURY NEO- MILLENIAL COLLEGE STUDENTS J. Kelly, B. Pohl	5805
PHYSIO-SQAT: A NEW TOOL IN THE PHYSICAL THERAPY DEGREE J. Casaña, M. Zarzoso, J. Madera, G.V. Espí-López, R. Ortega, J. Benítez, Y. Ezzatvar	5806
INTERVENTION IN THE LEARNING PROCESS OF THIRD YEAR PHYSICAL THERAPY STUDENTS	5809
J. Casaña, L. Such, Y. Alakhdar, F. Martínez, R. Ortega, Y. Ezzatvar	5 04 0
IMPROVING AN EDUCATIONAL MOBILE APPLICATION THROUGH USABILITY EVALUATION W. Coutinho, E. Couto, C. Biase, P. Silva Fernandes, B. Bonifacio	5812
CHALLENGES TO PROMOTE SOCIAL INCLUSION AND DIVERSITY IN A BRAZILIAN PUBLIC UNIVERSITY	5821
J.B. Barreto Oliveira, L.D. Colvara, S.Z. Pinho, M.L. Spazziani, V.N. Leal de Souza Oliva	
HIGH-IMPACT SERVICE-LEARNING IN AN URBAN TEACHER PREPARATION PROGRAM: FINDINGS OF A GRANT FUNDED LITERACY PROJECT CONDUCTED WITH INCARCERATED YOUTH J. Kelly, B. Pohl	5822
TO BLEND OR NOT TO BLEND: BLENDED COURSES CONTENT AND DESIGN ANALYSIS I. Jemrić Ostojić, A. Skledar Matijević, P. Krčelić	5823
STRUCTURAL DESIGN PROCESS VERSUS CREATIVE PROCESS: AN OPEN DISCUSSION IN TERMS OF LEARNING AND TEACHING J. Bernabeu Larena, J. Conde Conde, A. Bernabeu Larena	5831
TEACHING STRUCTURAL DESIGN ENGINEERING IN THE FIELD OF ARCHITECTURE: A CLASSROOM EXPERIENCE A. Bernabeu Larena, J. Conde Conde, J. Bernabeu Larena	5840
LEARNING TOOL BASED ON A GAME ENGINE TO STUDY AND SIMULATE REACTIONS AND PHYSICAL PROPERTIES OF STRUCTURES G. Tercete, R. Real, R. Maia	5847
TABLETS CHANGE THE FACE OF THE SPECIAL EDUCATION. A CASE STUDY IN GREECE EARLY RESULTS – EARLY FINDINGS A. Petrou	5853
EFFECTIVE CAREER MANAGEMENT: EXPERIENCE IN A CHILEAN PUBLIC UNIVERSITY E. Plaza, P. Opazo	5861
EVALUATION OF STUDENTS WHO USED A WEBSITE DIRECTED TO TEACHING HISTOLOGY AND EMBRYOLOGY: THE LEARNING PROCESS MAY BE BETTER THROUGH SOCIAL NETWORKS F.R. Pereira da Silva, A.C. Cardoso Guimarães Vasconcelos, D.F. Pereira Vasconcelos	5869
TEACHING MATERIALS IN ENVIRONMENTS GRAPHICS J.C. Axotla, D. Marquez Ortega, M.N. Pineda Becerril, A. Aguilar Marquez, O. García León	5874
THE USE OF 3D ENVIRONMENT TO TEACH LIGAND-PROTEIN INTERACTIONS C. Rius-Alonso, Y. González Quezada	5880
FLASH LECTURES IN A FLIPPED ARCHITECTURAL HISTORY CLASS J.K. Irwin	5903
LEARNING OBJECTS LABORATORY: THE INSTRUCTIONAL DESIGN PROCESS AS A METHOD TO PRODUCE BILINGUAL LEARNING OBJECTS FOR THE DEAF B. Velloso, F. Bubniak, L. Moraes, C. Beck, S. Figueiredo, D. Kaminski	5907

A COMPUTATIONAL MODEL FOR FORECASTING UNDERGRADUATE STUDENT PERFORMANCE BASED ON ABSENCES AND EVALUATION GRADES F. Barbieri, G. Taroco, R. Maia	5915
INCLUSION OF DISABLED STUDENTS INTO HIGHER EDUCATION: THE CASE OF THE COMPUTER SCIENCE SCHOOL OF THE NATIONAL UNIVERSITY OF LA PLATA F.J. Diaz, A. Ungaro, I. Harari	5924
AN APPROACH TO PUBLISH STATISTICS FROM OPEN-ACCESS JOURNALS USING LINKED DATA TECHNOLOGIES M. Hallo, S. Luján-Mora, J. Trujillo	5940
THE USE OF VIRTUAL CLASSROOMS AS TEACHERS' AND STUDENTS' PORTFOLIOS: A CASE STUDY M. Peñafiel, L.M. Vintimilla, Z. Hermosilla, S. Luján-Mora	5949
CURRICULUM DESIGN METHODOLOGY USING LEARNING OUTCOMES M. Peñafiel, N. Espín, Z. Hermosilla, N. Rosas	5959
CUSTOMIZATION PROCESS OF MOODLE FOR A UNIVERSITY EXTENSION COURSE: AN EXPERIENCE REPORT J.G. Barbosa, S.R. de Sá, E.H. Olímpio de Gusmão, R.A. de Medeiros Valentim, W.M. Ramos, R.N. Morais Bicalho	5969
FINANCIAL LITERACY AMONG POSTGRADUATE STUDENTS IN BRAZIL C. Bernardes, F. Soares	5981
THE IMPACT OF INFORMATION AND COMMUNICATION TECHNOLOGIES IN IMPROVING 21ST CENTURY SKILLS IN PRIMARY AND SECONDARY STUDENTS IN SOUTHEAST MEXICO P. Baptista, A. Almazán	5989
FINANCIAL EDUCATION: A STUDY ON CREDIT CARDS USE AND COMPULSIVE BUYING AMONG COLLEGE STUDENTS L. Tavares, F. Soares	5999
STATISTICAL EVALUATION AND FOLLOW-UP OF ONLINE COURSES O. Anglas Tarumoto, M.H. Tarumoto, E. Moriya Schlunzen, K. Schlunzen	6006
ENDING PLAGIARISM: USING TECHNOLOGY TO SCAFFOLD ARTICLE REVIEW AND EFFECTIVE SOURCE MATERIAL INTEGRATION INTO STUDENT'S WORK A. Monceaux	6014
LOCAL KNOWLEDGE AND SUSTAINABLE LEARNING SYSTEMS: A ZAMBIAN PROTOTYPE L. Ilon	6021
A MODEL OF PROJECT-BASED STRATEGY FOR EDUCATION IN TECHNOLOGY TO 10TH AND 11TH GRADES IN COLOMBIAN SCHOOLS L. Romero, M. Calvo, J. Ramirez, F. Olarte	6028
UNDERSTANDING AND IMPROVING THE USE OF TECHNOLOGY IN CLASSROOM ASSESSMENT $\textit{C.S.L.}\ \textit{Ng}$	6035
A QUESTIONNAIRE TO ASSESS WRITTEN JOKE COMPREHENSION IN THE ENGLISH FOREIGN LANGUAGE CLASSROOM: A RELEVANCE THEORETIC APPROACH D. Calvo-Carmona	6040
HUMOR ACTIVITIES IN L2 TEACHING: EFFECTS OF MODE OF PRESENTATION ON JOKE COMPREHENSION D. Calvo-Carmona	6041
EDUCATIONAL USE OF FACEBOOK IN HIGHER-EDUCATION ENVIRONMENTS: CURRENT PRACTICES AND GUIDELINES C. Rojas-Kramer, I. Esquivel-Gámez, A. García-Santillán	6042
IMPACT OF THE ECONOMIC CRISIS ON THE HIGHER EDUCATION: THE CASE OF PORTUGAL F. David, R. Abreu, L. Segura, H. Formigoni, F. Mantovani	6053
LEARNING AND EVALUATION OF TERMINAL VELOCITY IN A COLLEGE PHYSICS C.P. Suarez Rodriguez, C. Mora Ley, M.H. Ramirez Diaz, E. Arribas Garde	6064
THE ARCHITECTURAL DRAWING: A METHOD OF BUILDING ANALYSIS, A STUDY OF UNIQUE BUILDINGS M. Valiente López, J.R. Osanz Díaz, M.C. Sanz Contreras, I. Higuera Gutiérrez, S. Herrero del Cura, P.L. Mayor Lobo, R. Lozano Díez, O. López Zaldívar	6075
TEACHING DRAWING IN ENGINEERING DEGREE IN THE UNIVERSIDAD POLITECNICA MADRID M. Valiente Lónez	6082

ENGAGING USERS IN DISTANCE EDUCATION - THE CASE OF THE OPEN UNIVERSITY OF CYPRUS	6092
M. Epiphaniou, C. Rodosthenous, P. Christoforou, S. Mavrotheris, C. Christodoulides	
ASSESSING THE EFFECTIVENESS OF VIRTUAL EXPERIMENTS AND 3D VISUALIZATION SOFTWARE AS DOCENT TOOLS TO IMPROVE MOTIVATION AND LEARNING IN TECHNOLOGICAL AREAS S. Cuesta-Lopez, R. Serrano-Lopez, L. Romero-Santacreu	6102
EFFICIENT COLLECTION OF SIMILAR SPORT SCENES OF INTEREST FOR EFFECTIVE	6103
COACHING F. Yoshikawa, Y. Watanabe	
DEPLOYING NEW SERVICES IN THE OPEN UNIVERSITY OF CYPRUS ELEARNING PLATFORM – OUR EXPERIENCES P. Christoforou, C. Rodosthenous, M. Epiphaniou, S. Mavrotheris, C. Christodoulides	6108
AN ANALYSIS TOOL FOR REVEALING THE RELATIONSHIP BETWEEN LEARNING CONTENT AND GAME STRUCTURE IN MATHEMATICAL EDUCATIONAL DIGITAL GAMES M. Wikholm	6117
INCLUDING THE SOCIOCULTURAL PERSPECTIVE TO A UBIQUOUS LEARNING ENVIRONMENT MODEL S. Figueroa, R. Cordero	6124
SERVICE SCIENCE AS THE BASEMENT FOR TRANSDISCIPLINARY COOPERATION L. Walletzký	6130
TRAINING AND ICT TO DEVELOP COMPETENCES: A MULTIVARIATE ANALYSIS IN ENGINEERING STUDENTS C. Ruizazcárate-Varela, C. Pascual-Adell, J.L. Casado-Sánchez	6138
THE NEW TREND OF DISCIPLINE PRACTICES IN THAILAND: THE 101S POSITIVE DISCIPLINE INTERVENTION PROGRAM FOR PROMOTING POSITIVE-TEACHING PRACTICES AND CHILD'S EXECUTIVE FUNCTION DEVELOPMENT P. Thanasetkorn, V. Chumchua, N. Chutabhakdikul	6146
ASSESSMENT OF PUBLIC TRUST IN QUALIFICATIONS AWARDED BY WEST AFRICAN EXAMINATION COUNCIL AND NATIONAL EXAMINATION COUNCIL A.M. Akwa, C.I. Enunwah	6156
AUTOMATIC EXTRACTION OF VISUAL MOTION CHARACTERISTICS FOR EFFECTIVE COACHING F. Yoshikawa, Y. Watanabe	6162
THE EFFECT OF GSM ON THE WRITING SKILL OF SENIOR SECONDARY SCHOOLS IN NIGERIA A.M. Akwa, V.J. Effiong, A.A. Akwa	6166
THE IMPORTANCE OF RELATIONAL COORDINATION TO IMPROVE UNIVERSITY RESULTS: THE CASE OF THE STATE BOLIVAR UNIVERSITY C. De Pablos-Heredero, M. Lara-Olalla, J. Perea Muñoz, A. García-Martínez	6170
EFFECTIVE COMMUNICATION MECHANISMS AND FINAL RESULTS AT UNIVERSITY EDUCATION CONTEXT C. De Pablos-Heredero, J.G. Torres-Navarrete, J. Perea Muñoz, A. García-Martínez	6178
GLOBAL RESEARCH ENGAGEMENT: A CASE STUDY C. Van Vooren, A. Bueno Villaverde, V.R. Steffen, L. Chun, S. Ledger	6189
ASSESSMENT OF KNOWLEDGE OF LEGAL ACTS REGULATING NURSING PROFESSION AMONG FINAL YEAR BACHELOR'S DEGREE STUDENTS A. Zarzeka, M. Stacharska, J. Belowska, J. Gotlib	6198
ASSESSMENT OF KNOWLEDGE OF LEGAL ACTS REGULATING NURSING PROFESSION AMONG FINAL YEAR MASTER'S DEGREE STUDENTS A. Zarzeka, M. Stacharska, J. Belowska, J. Gotlib	6207
THE NEW CHALLENGE IN HIGHER EDUCATION: INNOVATION BASED RESEARCH G. Sart	6214
BRAIN DRAIN OR BRAIN GAIN: TECHNOLOGY PARKS AS CENTERS OF ATTRACTIONS FOR TALENTS G. Sart	6215
"OMG THAT IS DISGUSTING!": HARNESSING THE POWER OF REVULSION IN TEACHING INFECTION CONTROL AND HAND WASHING TO NEW RADIOGRAPHY STUDENTS N. Crohn, M. Ellwood	6216

TREATING MEDICAL TERMINOLOGY AS A SECOND LANGUAGE: USING LANGUAGE SOFTWARE WITH UNDERGRADUATE RADIOGRAPHERS N. Crohn, M. Ellwood	6217
EXPECTATIONS FROM CURRICULUM OF RELIGIOUS EDUCATION IN CONTEXT OF COMMUNICATION WITH DIFFERENT RELIGIOUS GROUPS (IN CASE OF TURKS WHO LIVE IN WESTERN COUNTRIES) B. Gurer	6218
ELICITING STUDENT PRECONCEPTIONS AS A MEANS TO DESIGNING INFORMED TEACHING INTERVENTIONS IN THE CONTEXT OF THE TACTICAL MODEL IN PHYSICAL EDUCATION P. Antoniou, I. Mastrogiannis, K. Kasimatis	6226
SMART GRID LABORATORY FOR IMPROVING THE ELECTRICAL AND MECHANICAL ENGINEERING CURRICULA P. Ponce, A. Molina, I. Villanueva, L. Ibarra, O. Mata	6233
MEISTER AS STANDARD FOR CORPORATE UNIVERSITY IN A HYDROELECTRIC COMPANY C.B. de Mattos, F.S. Pedro Filho, J.B. da Silva, I. Lobo Braga, J. Vasconcelos de Melo, J.M. da Silva Neto	6242
IMPROVING SECURITY OF MOBILE WEB ENABLED DEVICES F. Vakil	6252
INNOVATING ENGLISH TEACHING AND LEARNING OF UNIVERSITY STUDENTS' WRITING SKILLS BY USING NEW TECHNOLOGIES AND CALL (COMPUTER-ASSISTED LANGUAGE LEARNING) PRINCIPLES I. Cirkovic-Miladinovic, I. Golubovic-Ilic	6257
HOW WE EDUCATE FUTURE LEADERS IN SUSTAINABILITY? A. Draghici, G. Fistis, C. Borca, C. Luminosu	6267
UNIVERSITY-INDUSTRY COLLABORATION IN OPEN INNOVATION A. Draghici, L.V. Ivascu, C.F. Baban, L. Bacali	6278
OPPORTUNITIES AND CHALLENGES FOR THE INTEGRATION OF 1:1 TECHNOLOGY IN LOWER SECONDARY SCHOOLS S. Comiskey, E. McLoughlin, O. Finlayson	6288
«WRITING FOR PUBLICATION» LANGUAGE ENHANCEMENT COURSE AS AN INSTRUMENT OF DEVELOPING SCIENTIFIC WRITING SKILLS OF UNIVERSITY FACULTY AND STAFF	6297
L. Goryanova, C. Sinclair, I. Slesarenko	(202
INNOVATIVE LEARNING FOR GREEN ECONOMY AND SUSTAINABLE DEVELOPMENT Z. Palkova	6303
TEACHING TECHNOLOGY MANAGEMENT BASED ON LSP: A PRACTICAL EXPERIENCE J. Albors-Garrigós, M. de-Miguel-Molina, B. de-Miguel-Molina, M.V. Segarra-Oña, A. Peiró-Signes	6309
FOSTERING ENGLISH-TAUGHT HIGHER EDUCATION PROGRAMS IN A SPANISH	6314
UNIVERSITY: THE 'TECHENGLISH' INNOVATIVE PROJECT I. Blanco, A. Alises, I. Allona, I. Argüelles Álvarez, G. Arribas, J.R. Astillero, J.M. Atienza, C. Batalla, M. Blanco, C. Chaya, O. de Abril, M. Delgado, C. Diéguez, M. González Guerrero, S. González Rodrigo, P. González-Melendi, C. Hontoria, L. Jordá, J. Lisazo, D. Magistrali, I. Mariscal-Sancho, S. Mira, A. Moliner, J.F. Padial, J. Pérez Arias, J. Pierce, D. Redondas, L. Rey, M.M. Robisco, L. Rodríguez - Sinobas, S.L. Rueda, F. San José, C. Sancho, J.M. Vassallo, M. Villaroel, C. Zanuy	0314
ACCELERATED CROSS-CULTURAL AWARENESS TRAINING "AN AGREEMENT TO CROSS CULTURAL TEAM BUILDING: THE IMPORTANCE OF BOTH THE JOURNEYAND THE DESTINATION C.A. George	6321
BLENDED LEARNING IN BRAZIL: PERSONALIZATION AND TECHNOLOGY IN THE CLASSROOM A. Tanzi Neto, L. Bacich	6322
DEVELOPING A PSYCHO-PEDAGOGIC MODEL FOR INCLUSIVE CLASSES IN DISADVANTAGED-RURAL PRIMARY SCHOOLS IN SOUTH AFRICA A. Buka, J.M. Molepo	6324
INNOVATION AT THE MARGINS: THE NOTTINGHAM OPEN ONLINE COURSE S. Speight, A. Bowman	6329
SERIOUS GAMES IN MARKETING EDUCATION: DEVELOPING HIGHER ORDER COGNITIVE SKILLS THROUGH COLLABORATION IN A SIMULATION GAME A. Devitt, M. Brady, M. Lamest, G. Dalton, N. Newman, S. Gomez	6340

EUROPEAN PROJECT FOR EDUCATION IN OSTEOSYNTHESIS FOR SURGICAL MANAGEMENT OF FRACTURES FOR ORTHOPEDIC SURGEONS AND BIOMEDICAL ENGINEERS S. Tzanova, Z. Daliana, K. Tokmakova, C. Atienza	6350
INTERNATIONAL COLLABORATION FOR DEVELOPMENT OF CONTINUOUS EDUCATION IN ENERGY EFFICIENCY S. Tzanova, A. Guiavarch, C. Schaeffer, G. Coppola, M. Marinov	6356
TECHNOLOGY AND TEACHING METHODS K. Norley	6361
PROJECT WEBRANGERS - THE EXAMPLE OF COOPERATION OF ACADEMIC AND COMMERCIAL SECTOR K. Kopecký, R. Szotkowski, L. Hejsek	6366
EXPERIMENTAL INORGANIC CHEMISTRY SUBJECT IN THE CHEMISTRY GRADE OF THE SCIENCE AND TECHNOLOGY FACULTY OF THE UNIVERSITY OF THE BASQUE COUNTRY J.L. Mesa, E. Serrano Larrea, J.M. Arrieta	6368
MOODLE MONITORING BEST PRACTICES J. Barber, R. Matos, S. Leitão	6369
AN INVESTIGATION TO EXAMINE THE MOST APPROPRIATE METHODOLOGY TO CAPTURE HISTORICAL AND MODERN PRESERVED ANATOMICAL SPECIMENS FOR USE IN THE DIGITAL AGE TO IMPROVE ACCESS - A PILOT STUDY I. Jocks, D. Livingstone, P. Rea	6377
INTEGRATED TASKS IN TESTING: A FAD OR NECESSITY? J.R. Rufo-Sánchez	6387
DEVELOPING HARDWARE-IN-THE-LOOP SIMULATORS FOR A COMPREHENSIVE HIGH-EDUCATION COURSE OF INDUSTRIAL SYSTEMS SIMULATION I.E. Ivanov, V. Gueorguiev, E. Markov, V. Mladenov	6388
COMPETENCE ACQUISITION THROUGH COLLABORATIVE PROBLEM-BASED LEARNING P.J. Cárdenas-García, J.I. Pulido-Fernández, I. Carrillo-Hidalgo	6393
EVALUATING ACCESSIBILITY OF OPEN EDUCATIONAL RESOURCES WEBSITES WITH A HEURISTIC METHOD R. Navarrete, S. Luján-Mora	6402
LEXICAL APPROACH AS A COMBINATION OF APPLIED LINGUISTICS, CORPUS LINGUISTICS AND LANGUAGE TEACHING METHODOLOGY G. Madieva, I. Orazbekova, R. Tayeva	6413
THE IMPACT OF PERSONAL FACTORS ON INSTRUCTORS ATTITUDE TOWARD E- LEARNING SYSTEM IN KUWAIT UNIVERSITY USING TECHNOLOGY ACCEPTANCE MODEL TAM A. Ashkanani, J. O'Hara, J. Lovatt, A. Abeer, A. Tamtam	6421
METHODOLOGY OF MODEL IMPLANTATION OF STRATEGIC KNOWLEDGE MANAGEMENT N.J. Cruz Hinojosa	6431
AN EXAMPLE OF COLLABORATION BETWEEN A UNIVERSITY AND A PRIVATE HEALTH COLLEGE TO INVESTIGATE THE VALUE OF ACUPUNCTURE TREATMENT P. Bidgood, J. Shaw, N. Saebi	6445
ONLINE TEACHING PRACTICES & ENGLISH AS A FOREIGN LANGUAGE LEARNING: PUTTING THEORY INTO PRACTICE T. Liontou	6446
PLAY2LEARN & LEARN2PLAY: THE BENEFITS OF USING COMPUTER GAMES IN TEACHING ENGLISH TO YOUNG LEARNERS T. Liontou	6449
RESEARCH COLLABORATION OF ACADEMICS AND PRACTITIONERS IN DEVELOPING SERVICE LOGIC BUSINESS MODEL CANVAS J. Ojasalo, K. Ojasalo	6451
DESCRIPTION OF A SESSION TO ASSESS THE EFFECTIVENESS OF APPS IN MEDICAL EDUCATION L. Briz-Ponce, J.A. Juanes-Méndez, F.J. García-Peñalvo	6461
REVIEW OF THE CUTTING-EDGE TECHNOLOGY EMPLOYED IN MEDICAL EDUCATION I. Briz-Ponce, I.A. Juanes-Méndez, F.I. García-Peñalvo	6468

OPEN EDUCATIONAL RESOURCES - A VETERINARY CASE STUDY N. Short	6474
ONE MILLION LIGHTS: SOLVE AUTHENTIC PROBLEMS THROUGH MULTI-AGE STUDENT COLLABORATION, INNOVATIVE ENGINEERING, AND 3D PRINTING. ENGINEERING AND HUMANITY MERGE TO MAKE THE WORLD A BRIGHTER PLACE T. Winey, J. Howe, I. Fogarty	6475
FOREIGN LANGUAGE AND MEDIATION SKILLS TRAINING IN THE CLOUD TO OVERCOME KNOWLEDGE DIVIDE A. Atabekova	6482
NON-FORMAL CONTENT AND LANGUAGE INTEGRATED LEARNING: TOWARDS STUDENT'S ASSESSMENT METHODOLOGY A. Atabekova	6486
SELF-EXPLANATION ON LEARNING BY TEACHING SIMSTUDENT: DOES IT IMPROVE LEARNING? J. Partosa, L. Limpin, J. Aureus, N. Caayaman	6491
DESIGNING A LEARNING AID TO ASSIST THE DYSLEXIC CHILDREN WITH WRITING DIFFICULTIES R. Tariq, S. Latif	6502
WORKSHOPS IN "CONSTRUCTION OF STRUCTURES I": A NEW TEACHING METHODOLOGY IN THE BUILDING ENGINEERING DEGREE J.C. Pérez-Sánchez, B. Piedecausa-García, J.M. Mateo-Vicente	6512
THE COMPARISON OF KNOWLEDGE AND ATTITUDES OF STUDENTS OF NURSING AND MIDWIFERY STUDIES WITH RESPECT TO PRACTICE BASED ON SCIENTIFIC FACTS J. Belowska, M. Panczyk, A. Zarzeka, J. Gotlib	6521
FACTORS INVOLVED IN THE ACADEMIC PERFORMANCE OF STUDENTS OF TECHNICAL ARCHITECTURE DEGREE FROM THE UNIVERSITY OF ALICANTE R.T. Mora-García, M.F. Céspedes-López, J.C. Pérez-Sánchez, R. Pérez-Sánchez, E. García-González	6532
OVERCOMING MISCONCEPTIONS AND IMPROVING KNOWLEDGE OF ARITHMETIC IN ELEMENTARY EDUCATION UNDERGRADUATES: A LONGITUDINAL STUDY M. Green, J. Piel	6541
CREATION OF A 3D MODEL OF AN INFANT MAXILLA AS TOOL FOR PEDIATRIC DENTISTRY TEACHING A. Adanero, B. Gómez, V. Gómez, M. Mateos, E. Martínez, P. Planells	6547
NARRATIVES OF LEARNING: PORTFOLIO APPROACH TO TEACHING AND LEARNING P. Leslie	6553
PRE-SERVICE TEACHERS AND THE RELATIONAL CONSTRUCTION OF TEACHING KNOWLEDGE P. Leslie	6564
PROMOTING ACTIVE LEARNING THROUGH THE USE OF CASE STUDIES: EXPERIMENTS IN ACTIVE TEACHING IN GRAPHIC DESIGN COURSES M. Medhat, H. Aldin	6574
EXPERIENCES OF SOCIAL MEDIA USE IN BUSINESS T.O. Olsen	6584
A PROPOSAL FOR THE COMPREHENSIVE MANAGEMENT OF BACHELOR FINAL PROJECTS L.M. López-Ochoa, L.M. López-González, J. Las-Heras-Casas, C. García-Lozano	6589
RETROSPECTIVE STUDY TO IMPROVE SUPERVISION OF BACHELOR FINAL PROJECTS L.M. López-Ochoa, L.M. López-González, J. Las-Heras-Casas, C. García-Lozano	6597
LEARNERS' UNDERSTANDING: INTERRELATION BETWEEN KNOWLEDGE BASE AND LEARNING ACTIVITY G. Menlibekova, K. Sagindykov, ZH. Tleshova	6607
AN EVALUATION AND DEVELOPMENT OF MUSIC TEACHERS' COMPETENCE ON STUDENTS' ACADEMIC ACHIEVEMENT IN MUSIC IN SOUTH WEST NIGERIAN JUNIOR SECONDARY SCHOOLS A. Odunuga	6613

VIRTUAL MUSEUM LEARNING STORY: AN ENGAGING EXPERIENCE IN A COLLABORATIVE ENVIRONMENT G. García Fernández	6622
INNOVATIONS IN UNIVERSITIES IN FRANCE IN BACHELOR DEGREES DEVELOPED WITH COMPANIES AROUND A "MEDIATOR ARTIFACT" (E-BOOKLET FOR STUDENTS' PATHWAYS) C. Bourret, K. Fraoua, B. Simon	6633
ACADEMIC SERVICE LEARNING ENHANCES CIVIC RESPONSIBILITY IN FIRST YEAR COLLEGE STUDENTS M. Dono-Koulouris	6642
REFLECTION AND INTENTIONALITY FOR TEACHERS AND EDUCATORS IN A NEUROPHENOMENOLOGICAL KEY M.R. Strollo, A. Romano	6648
COMPARATIVE REVIEW OF WORKING ALLIANCE IN SUPERVISION IN WESTERN AND ASIAN CULTURES: IMPLICATIONS FOR PRACTICE S. Jang, D. Griffin	6658
ELEARNING IN ART AND DESIGN: THE ELEPHANT IN THE ROOM N. Souleles	6659
DIGITAL SIGNAGE FOR LEARNING MATERIAL DELIVERY FOCUSING ON STUDENT FRIENDSHIP H. Mitsuhara, H. Kangawa, K. Manabe, M. Shishibori	6666
INTERACTIVE DIGITAL SIGNAGE USING KINECT AND ITS EXPERIMENTAL USE K. Manabe, H. Mitsuhara, M. Shishibori	6674
USING AR AND HMD FOR DISASTER PREVENTION EDUCATION S. Iwama, H. Mitsuhara, K. Iwaka, K. Tanaka, Y. Kozuki, M. Shishibori	6681
GAME-BASED EVACUATION DRILL SYSTEM USING AR, HMD, AND 3DCG J. Kawai, S. Iwama, H. Mitsuhara, K. Iwaka, Y. Kozuki, K. Tanaka, M. Shishibori	6688
LEARNING BY SCENARIO AUTHORING: WEB-BASED SCENARIO AUTHORING SYSTEM FOR DISASTER PREVENTION EDUCATION H. Mitsuhara, T. Inoue, K. Yamaguchi, Y. Takechi, M. Morimoto, K. Iwaka, Y. Kozuki, M. Shishibori	6699
APPLICATIONS OF MIND MAPPING AND CONCEPT MAPPING IN TEACHING, RESEARCH, HUMAN RESOURCES AND PUBLIC RELATIONS D.M. Cismaru, C. Novac	6707
SPECIAL NEEDS EQUIPMENT AND ASSISTIVE TECHNOLOGY IN EDUCATION PROCESS F. Aldhaheri	6718
CHALLENGES OF ADAPTING ENGLISH MEDIUM INSTRUCTION INTO THE SPANISH UNIVERISTY CURRICULA AND SOME NOVEL SOLUTIONS: TECHENGLISH J. Pierce, I. Argüelles Álvarez, G. Cuadrado, M.M. Robisco, M. Millán, M. Villarroel, I. Álvarez, C. Sancho, I. Salto-Weis, L. Dochao, J. Blanco, A.B. García, M.M. González, M. Martínez Nuñez, F. San José, S. González Rodrigo, D. Menoyo, E. Benavente, J.J. Rodríguez Herva, M. Quemada, L. Rodríguez-Sinobas, E. Rosado, C. Hontoria	6723
LEARNING ACTIVITIES FOR COMMUNITY PROBLEM SOLVING Y. Naruse, M. Shimizu, I. Miyaji	6729
DO IT AGAIN. A COMMUNITY CENTERED DESIGN ACTIVITY ON UPCYCLING D. Fassi, Y. Wenqing	6735
GENDER STEREOTYPES IN TECHNOLOGICAL STUDIES: UNIVERSITY OF A CORUÑA CASE STUDY M. Novas, A. Filgueira, M.P. Fiorucci, A. López	6745
ANALYSIS OF PROFESSOR/STUDENT PERCEPTION ON THE ACQUISITION OF CREATIVITY AND TEAMWORK SKILLS IN THE TECHNICAL UNIVERSITY OF MADRID C. González, R. Martínez, A. García, M. Ortega, P. Campoy	6752
THE USE OF SCIFINDER AS AN EDUCATIONAL TOOL TO INCENTIVE STUDENTS MOTIVATION IN THE MEDICINAL CHEMISTRY 1 SUBJECT O. Cruz-López, M.C. Nuñez-Carretero, A. Conejo-García, J.F. Dominguez-Seglar, F. Ocaña Peinado, E. Garcia-Rubiño, J. Tamayo-Torres	6760
DIVULGATIVE TECHNICAL VIDEOS BY UNIVERSITY STUDENTS AS A PROCESS FOR THE ACQUISITION OF CROSS-CURRICULAR SKILLS IN THE CONTEXT OF EHEA DEGREES A.I. García, J.M. Fuentes, A. Ramírez-Gómez, P. Aguado, F. Ayuga	6767

EDUCATION EDUCATION	6774
N.J. Elizabeth Margaret, N.V. Kavitha, S.R. Amrutha	
A COMPARATIVE ANALYSIS OF GROWTH AND DEVELOPMENT RATES OF CHILDREN 12 TO 15 YEARS OLD M. Scurt, M. Neamtu, C. Scurt	6781
THE PERSISTENCE OF "THINK MANAGER-THINK MALE" PHENOMENON AMONG UNIVERSITY STUDENTS S. Agut, R. Peris, F.A. Lozano	6790
USING TABLETOPS TO REDUCE INTERGROUP CONFLICT IN A SCHOOL CONTEXT A. Ioannou, C. Antoniou, A. Kafkaridou	6798
STUDY OF THE DIFFICULTIES PRESENTED BY TEENAGERS REGARDING THE TRANSLATION OF PROBLEMS INTO ALGEBRAIC LANGUAGE D. Ferrandez, C. Moron, A. García	6808
STUDENTS WITH SPECIFIC LEARNING DIFFICULTIES AT POLITECNICO DI MILANO: ICF* PROFILES, INNOVATIVE ICT SOLUTIONS, AND CURRICULAR RESULTS L. Sbattella, G. Cordaro, D. Forloni, S. Sbattella, R. Tedesco	6814
GAME BASED LEARNING N. Soldatic, D. Ristic, B. Petric, L. Markovic	6825
TEACHING BIOCHEMISTRY TO NURSING STUDENTS R.M. Martínez-Espinosa	6830
CUSTOMIZED ENVIRONMENTAL ACCESSIBILITY FOR STUDENTS WITH DISABILITY AT POLITECNICO DI MILANO S. Sbattella	6836
EXAMINING CURRICULUM OF OPTIONAL RELIGIOUS EDUCATION COURSES IN TURKEY B. Gurer, E. Keskiner	6845
USING THE ANALYTICAL HIERARCHY PROCESS (AHP) TO ASSESS STUDENTS PERFORMANCE IN ENGINEERING CAPSTONE PROJECTS S. Salhieh, G. Cormier	6846
THE IMPACT OF A DIGITAL WRITING TOOL ON LEARNERS' SECOND LANGUAGE ACQUISITION: AN EXPLORATORY STUDY IN HIGHER EDUCATION D. Laire, J. Casteleyn, A. Mottart	6855
THE NEW E-BOOKS AND "PHOTODENTRO" LEARNING OBJECT REPOSITORY IN GREECE: TEACHERS' PERCEPTIONS AND PRACTICES IN THE ARTS' CLASSROOMS S. Chrysostomou	6861
VIDEOGAME COMPANIES STRUGGLE TO FIND QUALIFIED PROFESSIONALS TO COVER POSITIONS IN DIGITAL BUSINESS AREAS, REGARDLESS OF THEIR ACADEMIC BACKGROUND J. Gonzalo, A. Bueno Villaverde	6867
IMPROVEMENT OF SPREADSHEET SKILLS IN BUSINESS-ORIENTED UNIVERSITY COURSES L. Rakovic, M. Sakal, P. Tumbas, P. Matkovic, V. Pavlicevic	6874
SELF-DIRECTED LEARNING IN INTERCULTURAL CONTEXT. CASE STUDY C. Dörfer	6883
OPPORTUNITIES FOR THE USE OF INTERNET AND SOCIAL MEDIA IN HOSPITALS D. Vazquez-Torres, P. de Frias-Tejada, Y. Pepin	6888
AUGGEXER: AN R LIBRARY FOR AUTOMATIC GENERATION AND GRADING OF EXERCISES A. Santana del Pino, C.N. Hernández Flores, J. Rocha Martín, J.J. González Henríquez, N. Guerra Quintana, M.P. Quintana Montesdeoca, B. González Landín, A. Artiles, C. Herrera	6893
THE ANALYSIS FOR DEVELOPING ADDITIVE MANUFACTURING CENTRES IN UNIVERSITIES L.G. Popescu	6902
CHALLENGES FOR CURRICULA DEVELOPMENT FOR ERASMUS MOBILITY PROJECTS L.G. Popescu	6910
DETERMINANTS OF SCHOOL PERFORMANCE IN ADOLESCENTS L. Pestana, J. Duarte, E. Coutinho	6918

OF MEDIA ARTS G. Winterfeldt, R. Studt	6926
THE COLLABORATIVE CLASSROOM: INTENTIONAL TECHNOLOGY USAGE TO INCREASE ACHIEVEMENT THROUGH STUDENT COMMUNICATION, COLLABORATION, CREATIVITY, CRITICAL THINKING AND GLOBAL OUTREACH I. Fogarty, T. Winey, J. Howe	6933
LEARNING BY DIGITAL GAMES DESIGN IN THE CHILDREN'S TEACHING AND LEARNING PROCESS: ISSUES AND CHALLENGES M.N. Masran, L.F. Md Ibharim	6934
FEMALE LANGUAGE LEARNING STRATEGIES IN SAUDI ARABIA K. Johnson, L. Wells	6942
PROMOTING STUDENTS' UNDERSTANDING ON HUMAN EYE CONCEPTS THROUGH HANDS-ON MODEL BASED LEARNING CYCLE UNIT T. Yangki, P. Jittam, W. Ketpichainarong	6950
THREE PERSPECTIVES OF MOBILE LEARNING INTEGRATION AT A TERTIARY INSTITUTION IN THE UAE T. Waller, J. Balanyk, E. Thornquist	6956
REACH ALL MATHEMATICS STUDENTS BY DIFFERENTIATING YOUR TEACHING J. Herrelko	6966
FLAGSHIP GAME: A PAN-EUROPEAN CROWDCODING EDUCATIONAL EXPERIMENT A. Bogliolo	6977
EXPLORING THE USE OF TABLET DEVICES IN DIFFERENTIATED LEARNING E. Konstantinidou	6981
NAO AS AN ASSISTANT IN ASD THERAPY SESSIONS: THE CASE OF JOE I. Kartapanis, A. Ioannou, P. Zaphiris	6990
OPEN EDUCATIONAL PRACTICES IN SCHOOL EDUCATION T. Kretschmer, T. Richter	6998
BLENDED TUTORING: AN EXPLORATION OF TUTOR EMOTIONAL COMPETENCES VALUED BY LEARNERS IN A HIGHER EDUCATION CONTEXT A. Youde	7006
THE STUDENTS' MINI-CONFERENCES FOR THE SPECIALIZATION "NANOMATERIALS AND NANOTECHNOLOGIES" A. Sadykova, V. Sisoev, L. Ovsienko	7016
THE EFFICACY OF USING SOCIAL APPLICATIONS (GOOGLE HANGOUTS) TO ENHANCE TEAM-BASED LEARNING C. Chen, J. Marti-Parreño	7019
EDUTRAC IN UGANDA: HIGHLIGHTS FROM THE DESIGN, DEVELOPMENT AND DEPLOYMENT OF A MOBILE-BASED DATA COLLECTION SYSTEM K. Mulloy, E. Pakkala	7027
INNOVATIVE DESIGN FOR LEARNING SPACES: WHY ARE EMERGING NEW SHAPES FOR SCHOOL FURNITURE? J. Vale	7033
MASTER'S DEGREES AND BACHELOR'S DEGREES: HOW TO INCREASE EMPLOYABILITY FOR FORMER STUDENTS J.R. Burriel Calvet, M.I. Beas-Collado	7041
ICT COMPETENCY AND TECHNOLOGY UTILIZATION OF PHILIPPINE SCIENCE HIGH SCHOOL TEACHERS J. Bingcang	7050
THE IMPACTS OF ONLINE EDUCATION ON THE EDUCATIONAL ADVANCEMENT IN NIGERIA: A STUDY OF NATIONAL OPEN UNIVERSITY OF NIGERIA (NOUN) O. Fayomi, O. Adepoju, C. Ayo	7061
UJI EMPRÈN: HOW TO ENHANCE ENTREPRENEURSHIP FROM THE UNIVERSITY SIDE?	7070
P. García-Agustín, M.I. Beas-Collado, M. Ripollés-Meliá INVESTIGATING THE BENEFITS OF MENTORING-BASED INDUCTION FOR ADJUNCT LECTURERS IN A DISTANCE LEARNING UNDERGRADUATE DEGREE PROGRAMME M. Tan	7079

AUTONOMOUS WORK IN ECONOMICS DEGREE: APPLICATION IN A B-LEARNING CONTEXT	7087
C.M. Llorca-Rodríguez, A.C. Casas-Jurado, R.M. García-Fernández, J.L. Sáez-Lozano	
TRANSFORMING EDUCATION SPACES TO SUSTAIN PEDAGOGICAL CHANGE A. van der Zanden	7095
TRIPARTITE MODEL IN MASTER'S DEGREE PROGRAMMES AT TURKU UNIVERSITY OF APPLIED SCIENCES - "TEACHERS AT MASTER'S LEVEL AS BRIDGE BUILDERS BETWEEN EDUCATION AND WORKING LIFE" P. Ahonen, R. Nurminen	7106
EMOTIONAL INTERACTION MODEL FOR LEARNING A. Faria, A. Almeida, C. Martins, C. Lobo, R. Gonçalves	7114
TEACHING ANATOMY AND EMBRYOLOGY BY THE INCLUSION OF TEAM-WORKS AS AN INTERACTIVE LECTURE	7121
A. Mohedano-Moriano, R. Insausti, M. Muñoz-López, S. Llorens, M.M. Arroyo-Jiménez, P. Marcos, M.E. Legidos-García, J.C. Delgado, S. Cebada-Sánchez, M. Córcoles-Parada, A. Viñuela, B. Domingo, E. Arribas Garde, C. Fernández Vaquero, M. Fernández, M.F. Galindo, J. Jordán, A. Nájera, M. Carmona, E. Nava, E. Artacho-Pérula	
WHAT HAPPENS WHEN STUDENTS HAVE THE LEADING ROLE IN THE LEARNING PROCESS? LEARNING BY TWEETING AND EVALUATING BY PEER ASSESSMENT M. Fernández, E. Cano	7127
AN OPEN-SOURCE LEARNING PLATFORM APPLIED TO LEARN EARTH SCIENCES S. Pozo, M.P. Fiorucci, A.J. López	7136
A DEVELOPMENT OF EDUCATION TECHNOLOGY FOR SMART LEARNING PROGRAM	7146
M.N. Norzaliza, S.S. Sheikh Hussain, I. Kamarulafizam, H. Arief A., W.A.A. Wan Siti Nur Aminah, S.H. Sheikh Hussain, S.B. Samdin, A. Mohd Noor	
SKILLS, USE AND PERCEPTIONS OF ICT BY SECONDARY SCHOOL STUDENTS THROUGH RESULTS IN THE ICILS 2013 TEST IN THE CANTON OF TICINO, SWITZERLAND S. Zampieri	7156
A CURRENT OVERVIEW OF RECOGNITION OF PRIOR LEARNING (RPL) IN IRISH HIGHER EDUCATION P. O'Leary, D. Goggin, I. Sheridan	7163
INNOVATION IN TEACHING PRACTICES OF STUDENT TEACHERS A. Salinas, T. Rozas, P. Cisternas	7170
TEACHERS' EXPERIENCE WITH INTEGRATED EDUCATION OF STUDENTS WITH VISUAL IMPAIRMENT IN MAINSTREAM PRIMARY SCHOOLS IN THE CZECH REPUBLIC AND IN SLOVENIA O. Malinovska, H. Majerova, L. Ludíková, E. Smelova	7179
SERIOUS GAMES TO SUPPORT LEARNING OF RARE 'INTANGIBLE' CULTURAL EXPRESSIONS	7184
F.M. Dagnino, M. Ott, F. Pozzi, E. Yilmaz, F. Tsalakanidou, K. Dimitropoulos, N. Grammalidis	
GREEN READINESS OF CHEMICAL ENGINEERING STUDENTS S. Avsec, B. Kaucic	7195
HANDS-ON ACTIVITIES TO LINK GENE MUTATIONS WITH THREE-DIMENSIONAL PROTEIN STRUCTURES FOR HIGH SCHOOL STUDENTS K. Dorji, N. Sriwattanarothai	7205
HOW TO DESIGN AND IMPLEMENT LOW COST MULTIFUNCTIONAL ROOMS, DESIGNED FOR FLEXIBLE USE AND SEVERAL SCENARIOS, INCLUDING LOCAL AND DISTANT COMMUNICATION AND COLLABORATION R. Støckert	7214
COMPETENCE MODELLING IN AGRICULTURE T. Kretschmer, C. Sgouropoulou, C. Stracke	7224
ENHANCING TEACHING PRACTICE IN LIGHT OF THE TIMSS REPORT: A PBL CASE N. Alreshidi, V. Lally	7225
THE EXPERIENTIAL LEARNING ACTIVITY: BENEFITS AND DIFFICULTIES IN REAL LEARNING ENVIRONMENTS A. Peiró-Signes, M.V. Segarra-Oña, M. de-Miguel-Molina, J. Albors-Garrigós, B. de-Miguel-Molina	7231
IMPROVING THE QUALITY OF OPERATIONAL RESEARCH COURSES BY SIMULATION WITH WINQSB, MAPLE, AND GEOGEBRA A. Bucur	7237

LECTURE UNITS WITH LOW COST EQUIPMENT SET FOR A HIGH SOPHISTICATED RFID LABORATORY TUTORIAL H. Woellik	7244
AN EXPLORATION OF RPL IN HIGHER EDUCATION IN IRELAND WITH PARTICULAR FOCUS ON QUALITY ASSURANCE D. Goggin, I. Sheridan, P. O'Leary	7249
INCREASING INTERCULTURAL COMPETENCY IN INTERNATIONALLY COLLABORATIVE ONLINE LEARNING PROJECTS S. Whitehead, K. Mangold	7256
HOW TO USE ICT TO HELP STUDENTS TO GAIN IN CONFIDENCE AND EFFICIENCY IN AN ALGORITHMIC AND COMPUTER PROGRAMMING COURSE? C. Castillo-Colaux, H. Soyeurt	7262
PRE-SERVICE TEACHERS' PRACTICAL KNOWLEDGE AS EMERGED FROM TEACHING LESSONS IN THE PRACTICUM J. Mena, M. García, R. Gómez, J. Husu, A. Toom, D. Knezic, Ä. Leijen, R. Allas, M. Pedaste, P. Meijer, L. Heikonen, M. Tiilikainen	7268
USING GAMES AND TOOLS TO MOTIVATE PART-TIME STUDENTS IN BLENDED LEARNING ENVIRONMENTS AND INCREASE THEIR OVERALL PERFORMANCE M. Brickmann, M. Ulm	7274
REFLECTING ABOUT THE PRESENTIAL TUTOR ROLE IN DISTANCE EDUCATION: A CASE STUDY IN AN ASSOCIATED CENTER E. Espirito Santo, A. Lima Cardoso, A. Gomes dos Santos	7280
SOCIAL REPRESENTATIONS OF PORTUGUESE NURSES REGARDING THE ELDERLY C. Albuquerque, M. Morgado, R. Martins, M. Cunha, A. Madureira Dias	7288
LEARNING CELL CYCLE VIA A GAME-BASED LEARNING T. Lham, N. Sriwattanarothai	7297
CLIL IMPLEMENTATION IN BIOCHEMISTRY SUBJECTS AT THE FACULTY OF SCIENCES, UNIVERSITY OF ALICANTE R.M. Martínez-Espinosa, T. Morell Moll	7303
PERCEPTION OF HEALTH PROFESSIONALS ON THE ACCESSION OF PATIENTS TO REHABILITATION PROGRAMS C. Albuquerque, R. Batista, M. Cunha, O. Ribeiro, A. Andrade, A. Madureira Dias	7310
AN EXPLORATORY STUDY OF COMMUNITY OF INQUIRY (COI) CONSTRUCTS TOWARDS COLLABORATIVE AND REFLECTIVE LEARNING IN THE EDUBLOGS S.Z. Tan, I. Lally, P. Moses, H.M. Kok	7317
INTRODUCING COMPETITION ON ENGINEERING PROJECT BASED EVALUATION AND TEACHING R. Vilanova, P. Ponsa	7326
AN IMPROVEMENT AND APPLICATION OF A SOURCE CODE SIMILARITY MEASURING METHOD FOR PROGRAMMING EDUCATION SUPPORT SYSTEM A. Ohno, T. Yamasaki, K.I. Tokiwa	7333
STUDENTS' ATTITUDES, SATISFACTION, AND LOYALTY TOWARDS A COLLABORATIVE LEARNING ACTIVITY ON INTERNATIONAL MARKETING J. Marti-Parreño, S. McDaniel, L. Summerfield, C. Queiro-Ameijeiras	7342
SMART CLASSROOM: USEFULNESS AND IMPACT ON LEARNING AND TEACHING J. Bingcang, A. Narag	7349
WHAT ACADEMICS THINK ABOUT MOOCS? EXPLORING THE MASSIVE OPEN ONLINE COURSES PHENOMENON TROUGH THE EDUCATIONAL TECHNOLOGY SPECIALISTS' POINTS OF VIEW M. Fernández	7357
HEALTH LITERACY AND ITS SOCIOECONOMIC AND DEMOGRAPHIC DETERMINANTS M. Cunha, L. Saboga Nunes, C. Albuquerque, O. Ribeiro, A. Andrade, A. Pereira	7364
SOCIAL MEDIA ADOPTION IN LEARNING AND TEACHING BY HIGHER EDUCATION FACULTY T. Almeshal	7371
ETHICAL/MORAL KNOWLEDGE IN NURSING STUDENTS M. Cunha, C. Albuquerque, A.M. Dias, G. Aparício, I. Bica, S. André, R. Martins	7382
THE METAL FORMING RESEARCH CENTRE OF "LUCIAN BLAGA" UNIVERSITY OF SIBIU – CLOSING THE GAP BETWEEN THE HIGHER EDUCATION RESEARCH AND THE INDUSTRY M. Tera, O.C. Bologa	7386

OPEN BADGES - A NEW WAY OF RECOGNIZING AND VALIDATING INFORMAL LEARNING IN LAHTI UNIVERSITY OF APPLIED SCIENCES J. Meriläinen	7394
THE EXPERIENCE IN HEALTH EDUCATION IN POST-GRADUATION COURSES IN BRAZIL THROUGHOUT 15 YEARS OF EVOLUTION P.H. Battaglin Machado, J. Fogari Cassolato, E. Hartog	7398
THE IMPORTANCE OF PSYCHOLOGICAL WELL-BEING DETERMINANTS IN EDUCATING PATIENTS WITH ANKYLOSING SPONDYLITIS A. Andrade, R. Duro, C. Albuquerque, R. Martins, C. Santos	7405
INTRODUCING COMPUTATIONAL THINKING IN ITALIAN SCHOOLS: A FIRST REPORT ON "PROGRAMMA IL FUTURO" PROJECT E. Nardelli, G. Ventre	7414
EMBEDDING THE INTERNATIONAL DIMENSION INTO SUSTAINABLE ARCHITECTURE'S CURRICULUM AND PROGRAMS I. Gawad	7422
TOWARDS MODELING A TOOL TO GENERATE A COLLABORATIVE CONTENT COMPATIBLE WITH IMS-LD F. El Moudden, S. Aammou, M. Khaldi	7432
THE IMPACTS OF E-LEARNING IN FACILITATING ACADEMIC PERFORMANCE AMONG PRIVATE SECONDARY SCHOOLS AND TERTIARY INSTITUTIONS IN OTA, OGUN STATE, NIGERIA O. Fayomi, C. Ayo, L. Ajayi, U. Okorie	7441
DEVELOPMENT AND IMPLEMENTATION OF PLURILINGUAL/BILINGUAL PROJECTS IN PRE-SCHOOL AND PRIMARY SCHOOLS M. Bobadilla-Pérez, P. Couto-Cantero	7448
STUDENTS' ATTITUDE TOWARDS SOCIAL NETWORKS: A CASE OF INTERNATIONAL COMENIUS PROGRAMME A. Pelegrín, A. González, J. Molina, A. Roca, F. Martínez, J. Madrid	7459
ONLINE LEARNING ENVIRONMENT INFORMATION SYSTEM: ARCHITECTURAL DESIGN BASED ON ONLINE LEARNERS' ACTIVITIES S. Panchoo	7463
RESPONSE TECHNOLOGY USED TO BUILD SELF-REGULATED LEARNERS T.M. Thorseth, M. Mellingsæter	7469
EVALUATION OF ACCEPTANCE AND SATISFACTION LEVEL USING AN ON-LINE INSTANT RESPONSE APPLICATION DEVELOPED BY THE UNIVERSITY OF MURCIA S. Martínez, J. Orengo, F. Hernández, A. Pelegrín, J. Madrid	7474
HOW IN-SERVICE TEACHERS INTEGRATE THE ELECTRONIC LESSON MADE BY THEM IN THE TEACHING/LEARNING PROCESS I. Zsoldos-Marchis, L. Ciascai	7479
USING CLIMATOLOGY AS A GATEWAY SCIENCE B. O'Donnell, H.S. Nguyen, P. Jouy	7486
EDUCATIONAL PERFORMANCE ON A GLOBAL EDUCATION MARKETPLACE: COMPARATIVE STUDY J. Legcevic, R. Abreu, F. David	7490
IMPORTANCE OF INTERNSHIPS IN TECHNICAL STUDIES RELATED TO THE ENVIRONMENT	7496
J.C. Santamarta, F. Ioras, M.P. Arraiza Bermúdez-Cañete, M.D. Peraza, I. Ruiz-Rosa, C. Calderón-Guerrero	
PRACTICE AND EVALUATION OF A STUFFED ANIMAL SLEEPOVER: ANALYSIS OF CHILDREN'S REACTIONS TO PICTURE BOOKS K. Suzuki	7502
USING ICT IN EDUCATION: MEASURING SYSTEMS INTERFACED TO COMPUTERS A. Oujezdský, A. Slíva, R. Brázda	7509
STUDENTS' APPROACHES TO LEARNING L. Ciascai, I. Zsoldos-Marchis	7513
COMPARATIVE ANALYSIS OF UNDERGRADUATE FEMALES AND MALES PERFORMANCES IN SCIENCE AND TECHNOLOGY IN COVENANT UNIVERSITY O. Fayomi, R. Dare-Abel, O. Adepoju	7521
MY PERSONAL IRREGULAR VERBS TOOL-KIT PROJECT P. Couto-Cantero, M. Bobadilla-Pérez	7532

MONITORING OF NURSING STUDENTS IN SMALL GROUPS, THROUGH RUBRICS OF ASSESSMENT	7540
M.D. Guerra-Martín, B. Amador-Marín, J. M. Martínez-Montilla, E.M. Zambrano-Domínguez, J.A. Suffo-Aboza, V. Fernández-Rodríguez	
FILM AND EDUCATION: STARTING OVER AS A REFUGEE IN IDAHO, U.S C. Peralta, F. Orsitto	7543
WEB ACCESSIBILITY TOOL FOR VISUALLY IMPAIRED ACTIVATED THROUGH HTML TAGS J.F. Peraza Garzon, R. Estrada Lizarraga, M.C. Olivarría González, J. Zaragoza González, R. Mendoza Zatarain, J. Ortega Carrillo, J. Cobian Campos	7549
ICT MEDIATOR AS TEACHING TRANSVERSAL COMPETENCES AND DIGITAL INCLUSION R. Morales, M. Dieguez, R. Carrasco, J.P. Cisternas	7553
INSPIRING COMPUTER SCIENCE EDUCATION IN A WIDENING ACCESS CONTEXT WITH TECHNOLOGY J. Campbell, R. Sterritt, G. Moore, R. Bond, S. Fraser, G. Trombino, B. Cleland, P. Hanna	7563
SCHOOL COMMUNITIES KNOWLEDGE IN CHILD DIABETES MELLITUS TYPE 1 B. Bernardo, I. Bica, J. Duarte, M. Cunha, G. Aparício	7571
EVALUATION RETREAT: A SENSIBLE METHOD FOR PROGRAM'S ASSESSMENT R. Rios, E. Estapé, C. Díaz, B. Segarra, M. San Martin	7577
INTERDISCIPLINARY CHARRETTE IN DESIGN EDUCATION V. Volchansky	7585
KWIZOPIA: A 3D QUIZ GAME FOR K-12 EDUCATION R. Morsi, W. Mahmoud, B. Cvijetic	7586
OPTIMIZING AN EAP COURSE THROUGH BLENDED APPROACH O. Zengin Unal	7594
PROFESSIONAL PERSONALITY DEVELOPMENT FOR TOURISM INDUSTRY O.A. Burukina, A.N. Yandovsky	7595
TUTORING IN THE UNIVERSITY OF SPAIN M.D. Guerra-Martín, V. Fernández-Rodríguez, B. Amador-Marín, E.M. Zambrano-Domínguez, M. Lima-Serrano, J.S. Lima-Rodríguez	7605
UNPLUGGED LANGUAGE-NEUTRAL CARD GAMES AS AN INCLUSIVE INSTRUMENT TO DEVELOP COMPUTATIONAL THINKING SKILLS A. Bogliolo	7609
TRAINING TEACHERS IN GENERIC COMPETENCES FOR STUDENTS J. Zorrilla	7616
EFFECT OF AN ENVIRONMENTAL EDUCATION INTERVENTION PROGRAMME ON RURAL WOMEN'S ENVIRONMENTAL KNOWLEDGE A. Amosun, O. Olagbaju	7621
REINTRODUCING PROGRAMMING TO THE SCHOOL ENVIRONMENT R. Sterritt, P. Hanna, J. Campbell	7630
MULTIPLE NATIONS VERSUS PROBLEM-BASED LEARNING - HOW PROBLEM-BASED METHODS SUPPORT INTERNATIONALIZATION PROCESSES D. Piotrowska	7632
QUALITATIVE DEVELOPMENT OF THE LEGAL TRANSLATOR'S PERSONALITY O.A. Burukina, T.B. Kosareva	7637
SYSTEMS METHODOLOGY AS A FUNDAMENTAL OF THE CONTEMPORARY ECONOMIC EDUCATION O.A. Burukina, S.Y. Shchepetova	7638
RESEARCH INSTITUTIONS' STRATEGIC INTEGRATION WITH HIGHER SCHOOLS O.A. Burukina, I.S. Petukhov	7639
STUDENT ORIENTATION OF NEW ACCESS AND ITS IMPACT ON THE ACADEMIC ACHIEVEMENT E. Pons, P. Noguera	7640
HIGHER SCHOOLS' DEVELOPMENT AS SOCIETY AND ECONOMY BOOSTERS O.A. Burukina, A.V. Bandurin	7648
MULTIDIMENSIONAL DEVELOPMENT OF CONTEMPORARY HIGHER SCHOOLS O.A. Burukina, S.V. Petukhov	7649
RELATION BETWEEN SCHOOLING AND HEALTH LITERACY A. Madureira Dias, A. Andrade, M. Cunha, C. Albuquerque, O. Ribeiro	7650

SCHOOL EDUCATION AND ITS IMPORTANCE INFORMATION ABOUT THE MEDICATION	7657
A. Madureira Dias, M. Cunha, A. Andrade, C. Albuquerque, I. Bica	
IMPLEMENTING THE FRAMEWORK OF COMMUNITIES OF INQUIRY IN TEFL D. González Miy, L.E. Herrera Díaz	7664
FROM "LEARNING BY DOING "TO "CREATING BY SHARING" EXPERIENCES: ARE PEOPLE THE FUNDAMENTAL CONNECTIVE TISSUE IN ENHANCING CREATIVITY IN THE PROJECT FORMAT OF THE WORKSHOP? A. De Rosa	7672
CHEMICAL THINKING J.M. Fernández Novell, C. Zaragoza Domènech	7679
EDUCATIONAL TRAINING PROGRAM ON DIABETES MELLITUS TYPE 1 DIRECTED TO TEACHERS	7687
I. Bica, R. Martins, G. Francisco, C. Albuquerque, P. Costa, A. Dias, J. Costa	7/02
CHOOSING A BIOMOLECULE J.M. Fernández Novell, C. Zaragoza Domènech	7693
REFCOMTIC INTERACTIVE MANUAL FOR THE STRENGTHEN OF TRANSVERSAL TEACHING COMPETENCES R. Morales, J.J. Sotomayor, J. Hochstetter, D. Figueroa	7699
CONSTRUCTING LEARNING COMMUNITIES AND DIGITAL RESOURCES IN PHYSICS EDUCATION	7706
C.P. Suarez Rodriguez, E. Arribas Garde, I.M. Escobar Garcia, M. Sandoval Martinez, S. Vidales Felix, D.I. Rivera Cardoso	
VIRTUAL LEARNING OBJECT: EXPANDING CRITICALITY HEALTH PROFESSIONALS FOR DEALING WITH DOMESTIC CHILD ABUSE M. Apostolico, E. Egry	7707
ASSESSING STUDENT LEARNING: RESEARCH-BASED RUBRICS AND EVALUATION INSTRUMENTS FOR MEASURING TECHNOLOGY-AUGMENTED LEARNING B. Mehlenbacher, A. Kelly	7715
EFFECTIVE ONLINE TEACHING: PRINCIPLES, TOOLS, AND BEST PRACTICES S. Anwar, L. Shih	7725
SKILL OF CREATING MACROS AT THE BEGINNING OF UNIVERSITY STUDY Z. Filipi	7729
THE EVOLUTION OF TEACHING CLIMATE SCIENCES USING TWO HYBRID COURSE FORMATS: A CASE STUDY AND RECOMMENDATIONS FOR THE FUTURE G. Ozbay, L. Phalen	7730
LIFE EVENTS, DEPRESSION AND GENDER: THEIR RELATION WITH SCHOOL ADAPTATION P. Ruivo, A.P. Matos, S. Oliveira	7739
ANXIETY, DEPRESSION AND ACADEMIC ACHIEVEMENT AMONG PORTUGUESE ADOLESCENTS: THE MODERATION EFFECT OF NEGATIVE LIFE EVENTS T. Cruz, A.P. Matos, C. Marques	7749
ACADEMIC PERFORMANCE, WELL-BEING AND DEPRESSIVE SYMPTOMS IN PORTUGUESE ADOLESCENTS: THE MODERATOR EFFECT OF NEGATIVE LIFE EVENTS M. Alves, A.P. Matos, M. Pinheiro, D. Marques	7759
A PREVENTION PROGRAM OF DEPRESSION IN AT-RISK ADOLESCENTS: PRELIMINARY RESULTS FROM BASELINE TO FOLLOW-UP A.P. Matos, C. Marques, S. Oliveira, M. Pinheiro, E. Arnarson, E. Craighead	7770
STUDIES ON ATTRITION AND RETENTION OF UNDERGRADUATE STUDENTS: QUANTITATIVE AND QUALITATIVE ASPECTS J.B. Barreto Oliveira, L. Duarte Colvara, M.L. Spazziani, S. Zambello Pinho, V.N. Leal de Souza Oliva, M.H. Tarumoto	7780
CROWDSOURCING EDUCATION: COLLABORATIVE AUTHORING OF DIDACTIC MATERIAL D. Pappa, V. Pitsilis, A. Vidalis, C. Makropoulos, J. Pawlowski, H. Pirkkalainen	7781
CONTRIBUTIONS OF HIGHER EDUCATION TO THE DEGREE IN PUBLIC ADMINISTRATION J. Martín Marín, T. Díez Cabo, N. Portillo Poblador	7790
ENHANCING EFL LEARNERS' INDEPENDENT LEARNING THROUGH PROMOTING NEW SKILLS AND COMPETENCIES N. Kios	7796

COPYRIGHT VS. COPYLEFT: CREATIVE COMMON LICENSES IN ONLINE EDUCATION G. Pedrazzi	7802
A HOLISTIC MODEL FOR SERIOUS GAME DESIGN I. Karasavvidis	7803
TUTORING DEGREE FINAL PROJECT STUDENTS IN INDUSTRIAL ENGINEERING BASED ON BUILDING INFORMATION MODELLING (BIM) M.I. Jiménez Gómez, D. Rodríguez Merino	7812
BUSINESS MODEL DESIGN FOR UNIVERSITY TECHNOLOGY VALORISATION G. Lemaître, A. Bikfalvi, J. Llach, J. Massich, F. Julián	7817
SKILLS EVALUATION SYSTEM FOR TECHNICAL PROJECTS SUBJECT IN INDUSTRIAL ENGINEERING DEGREE M.I. Jiménez Gómez	7826
PERSONALIZING ACCESS TO E-LEARNING CONTENT BASED ON THEIR PREFERENCES R. Basagoiti, I. Arenaza-Nuño	7834
TRAINING FOR TEAMS AS A NEW ERA OF INTERDISCIPLINARY RESEARCH J.D. Wulfhorst, N. Bosque-Pérez, S. Eigenbrode, B. Finegan, L. Waits, J.E. Force, P. Morgan, N. Sibelet, Z. Klos	7839
IT IS TIME TO STOP BLAMING ROBERT MOSES: PROMOTING SELF- DETERMINATION IN THE SOUTH BRONX, NEW YORK L. Tribuzio	7840
USE OF LABSKILLS AS A VIRTUAL INTERACTIVE TOOL TO GUARANTY AN EFFICIENT LEARNING OF EXPERIMENTAL WORK IN THE CHEMISTRY LAB OF FIRST YEAR STUDENTS	7843
R.M. Sanchez-Martin, A. Orte-Gutierrez, M.J. Ruedas-Rama, J.J. Diaz-Mochon, V. Cano Cortés, F. Castello, F.J. Lopez-Delgado, M.A. Luque-González, M.L. Soria-Gila, W.J. Heslop	
GENDER BASED PATTERNS OF MATHEMATICS CLASSROOM INTERACTIONS IN JUNIOR SECONDARY SCHOOLS IN MOZAMBIQUE B. Cassy	7851
A COMPARISON OF THE PERFORMANCE OF NGOS IN EMPOWERING STREET CHILDREN IN TEHRAN T. Allahyari, E. Shalakeh	7856
THE ROLE OF QUALITY ASSURANCE IN DETECTING LACUNAE IN THE ACTIVITIES OF THE ECOSTAR PROJECT AND IMPLEMENTING SUITABLE MODIFICATIONS V. Kalogerou, A.M. Andreou	7864
THE EFFECT OF LOCAL EXPERIENCES AND ILLUSTRATIONS AND REGULAR ASSESSMENT OF INDIVIDUALS LEARNING BACKGROUND IN CLASSROOM INTERACTION ON THE ACADEMIC PERFORMANCE OF PRE-DEGREE STUDENTS M.O. Achigbe	7870
EVERNOTE AND ACTIVE-COLLABORATIVE METHODOLOGIES. A CASE STUDY IN HIGHER EDUCATION J.S. Artal Sevil, J.L. Bernal-Agustín, J.A. Domínguez Navarro	7871
IMPROVE STUDENT KNOWLEDGE THROUGH EXPERIMENTAL LEARNING. AN EXPERIENCE-ORIENTED IN ELECTRICAL AND ELECTRONICS ENGINEERING J.S. Artal Sevil, J.M. Artacho Terrer, E. Romero Pascual	7881
INTERPROFESSIONAL EDUCATION THROUGH UNIVERSITY-HOSPITAL COLLABORATION H. Zitzelsberger, L. Graham, S. Coffey, L. Kleine, B. Murphy, S. Ranganathan, R. Wax, C. Wilkinson	7892
GRADUATING ABORIGINAL AND TORRES STRAIT ISLANDER TEACHERS: THE MATSITI PROJECT K. Price	7898
BUILDING A WORKING MEMORY FOR MULTIMODAL INTERACTION SYSTEMS <i>J. Simon Prates, S. Rigo</i>	7906
MEANINGFUL LIFELONG LEARNING IN NURSING EDUCATION: BARRIERS, FACILITATORS, AND OUTCOMES S. Coffey, G. Lindsay, C. Anyinam, R. Vanderlee, K. Woodend, L. Graham, H. Zitzelsberger, K.	7910
Cummings, M. Cochrane, K. Macdonald, Z. Lulat ASSESSMENT OF THE EFFECTS OF RELIGIOSITY ON PRINCIPLED MORAL REASONING OF A SAMPLE OF GRADUATE STUDENTS IN THE COLLEGE OF EDUCATION AT KUWAIT UNIVERSITY D. Bouhmana	7911

RETHINKING THE PROMOTION OF READING: THE BRIO EZOOMBOOK WORKSHOP C. Evain, C. De Marco	7926
MOBILE TOUCH DEVICES AS AN EFFECTIVE TOOLS OF M-LEARNING AND E- LEARNING K. Kopecký, L. Hejsek	7934
BURNOUT IN PORTUGUESE NURSES: IMPLICATIONS FOR IMPLEMENTING PREVENTIVE AND EDUCATIONAL STRATEGIES A. Andrade, V. Alves, C. Albuquerque, I. Bica, C. Chaves, R. Martins	7937
TRANSITION FROM FACE TO FACE TO ONLINE AND BLENDED TEACHING AND LEARNING AND ITS RELATION TO CLINICAL COMPETENCE IN MEDICAL RADIOGRAPHY PROGRAMS M. Premani	7948
FACEBOOK GROUPS AS A COMMUNITY OF PRACTICE PLATFORM Z. Al-Shidhani	7957
WHAT TEACHERS OF SCIENCES IN CHILE THINK AND HOW THEY USE ICTS. ANALYSIS OF THE RELATION BETWEEN THINKING AND PEDAGOGICAL- CURRICULAR PRACTICE S. Contreras, J. Torres	7958
TEACHING AND LEARNING DIFFICULTIES IN SAUDI SCHOOLS Y. Almarshad	7966
ASSESSMENT OF PROBLEMS AND REMEDIATION OF SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS EDUCATION M.N. Anugwo	7973
AGENTS OF OBEDIENCE EDUCATION: THE ISRAELI JEWISH HISTORY CURRICULUM FOR MIDDLE AND HIGH SCHOOLS R. Firer	7979
PUPILS' GENDER AND ATTITUDE TOWARDS MATHEMATICS AT SECONDARY SCHOOLS IN MOZAMBIQUE B. Cassy, S. Cassy	7986
CHEMISTRY EDUCATION REINVENTED THROUGH FREE AND LOW COST TECHNOLOGY RESOURCES J. Smith	7994
DIGITAL INTEGRATION IN ARTISTIC DISCIPLINES: CHALLENGES AND OPPORTUNITIES N. Volchansky, V. Volchansky	8000
THE ROLE OF THE BUILT ENVIRONMENT IN ENHANCING THE LEARNING AND TEACHING EXPERIENCE M. Ali	8001
THE BLENDED CLASSROOM; HOW TEACHERS CAN USE BLENDED LEARNING TO ENGAGE THEIR STUDENTS IN EXCITING NEW WAYS! P.C. Wilkinson	8007
CASE STUDIES IDENTIFY SAVINGS OF UP TO \$40,000 FOR ACADEMIC RESEARCH LABORATORIES WITH THE USE OF VIDEO JOURNALS M. Stella	8009
AUGMENTED TRAINING FOR WELDING: A GLOBAL SUCCESS STORY J. Huete, B. Marquínez	8010
AUGMENTED TRAINING TECHNOLOGY A. Villarán	8011
DIGITAL LEARNING FUTURES: MIND THE GAP! S. Wheeler	8012
LEARNING TO MAKE A DIFFERENCE: WHAT SHOULD BE THE REAL CORE CURRICULUM OF MODERN SCHOOL C. Leadbeater	8013
THE EFFECT OF USING ELECTRONIC GAMES ON PRESCHOOL CHILDREN'S PROBLEM SOLVING SKILLS R. Moawad	8014
GOOD EXPERIENCE IN SUSTAINABLE ENGINEERING EDUCATION A. Spahiu, L. Dhamo, P. Marango	8015
IMPACT OF INVOLVING ACADEMIC STAFF IN SCIENTIFIC RESEARCH ON IMPROVEMENT OF EDUCATIONAL PROCESS AT ENGINEERING UNIVERSITIES L. Dhamo, A. Snahin, R. Husa	8016

EDUCATION IN A MULTICULTURAL SOCIETY: CROSS-COUNTRY ANALYSIS ON NEIGHBORING MIGRATION POLICY BY THE EXAMPLE OF FINLAND AND RUSSIA M. Pitukhina, S. Sigova

8017