Contents

Editorial

TEXTBOOKS, FOUNDATIONS, HISTORY OF SCIENCE AND SCIENCE EDUCATION
Raffaele Pisano ........................................................................................................ 5

Articles

E-ASSESSMENT OF STUDENTS BASED ON PERSONAL RESPONSE SYSTEM
Paweł Bernard, Paweł Broś, Anna Migdal-Mikutli ................................................. 11

SOME ASPECTS REGARDING CONTINUED TEACHER TRAINING FROM BIHOR
COUNTY, ROMANIA, USING E-LEARNING
Valentin Cosmin Blândul .......................................................................................... 17

E-LEARNING IN EFL METHODOLOGY EDUCATION: EVALUATION OF LEARNING
PERFORMANCE
Ivana Cimermanová .................................................................................................... 25

MATLAB AND SIMULINK LABORATORY – A BASIS FOR LEARNING REAL
CONTROL APPLICATIONS
Nitza Davidovich, Gregory Agranovich, Yuri Ribakov, Ido Halperin .......................... 36

ANALYSIS OF EXPERIENCE IN ENVIRONMENTAL PROJECT TEACHING USING
ESSAY AS A FEEDBACK
Zuzana Dzurišinová, Miroslav Prokša ........................................................................ 46

KNOWING MATHEMATICS-FOR-TEACHING: THE CASE OF PLANNING
LEARNING ACTIVITIES
Thomas Falkenberg .................................................................................................... 58

IN AND AGAINST RADICAL MONOPOLY: CRITICAL EDUCATION AND
INFORMATION AND COMMUNICATION TECHNOLOGIES
Petar Jandric ................................................................................................................. 70

THE EFFECT OF THE MATHEMATICAL SKILLS ACQUIRED IN WOODWORK
ON STUDENTS’ ACHIEVEMENT IN MATHEMATICS
Richard P. Kimiti, Samuel N. Waweru, David M. Mulwa, Elizabeth N. Muema, Titus M. Kituka ..... 85

THE GRAPHICAL REPRESENTATION REGISTER AS SUPPORT IN
UNDERSTANDING CONCEPTS OF CALCULUS
Elena Fabiola Ruiz Ledesma ......................................................................................... 97

RESEARCHING SCIENCE TEACHER PEDAGOGICAL CONTENT KNOWLEDGE
Danuše Nezvalová ....................................................................................................... 104

DIAGNOSTIC OF INFORMATION AND COMMUNICATION TECHNOLOGIES’
USE IN VOCATIONAL GUIDANCE: ANALYSIS OF AN EXPERIENCE
Luis Martin Sobrado, Cristina Ceinos, Rebeca Garcia .................................................. 119
LEARNING ENVIRONMENT EFFECT AND USE OF TECHNOLOGY IN THE STUDY OF ENGLISH LANGUAGE
Valbona Sofia ................................................................. 127

EFFECT OF TRACK POSITION ON STUDENTS’ ATTITUDE TOWARDS SCIENCE
Chin Sook Fui, Lim Hooi Lian ................................................... 138

DISABILITY AND THE USE OF ICT IN EDUCATION: DO STUDENTS WITH SPECIAL NEEDS RECOGNISE THE SUPPORT GIVEN BY TEACHERS WHEN USING TECHNOLOGY
Raquel Suriá Martinez .......................................................... 149

Information

INSTRUCTIONS FOR AUTHORS .................................................. 159

JOURNAL OF BALTIC SCIENCE EDUCATION ................................. 161

PROBLEMS OF MANAGEMENT IN THE 21st CENTURY ...................... 162

PROBLEMS OF PSYCHOLOGY IN THE 21st CENTURY ....................... 163