

# Contents

## Editorial

THE EVALUATION STRATEGIES OF INTEGRATED SCIENCE TEACHING AND LEARNING Vincentas Lamanauskas .....	5
--	---

## Articles

EFFECTIVENESS OF TEACHING PREPARATIONS ON MATHEMATICS ACHIEVEMENT: THE CASE OF KENYA Maurice Musasia Amadalo, Duncan Wekesa Wasike, Joseph Mulei Wambua .....	7
DISPARITIES IN THE PHYSICS ACADEMIC ACHIEVEMENT AND ENROLMENT IN SECONDARY SCHOOLS IN WESTERN PROVINCE: IMPLICATIONS FOR STRATEGY RENEWAL Jane K. Amunga, Musasia Maurice Amadalo, Geoffrey Musera.....	18
ON USAGE OF INDUCTIVE APPROACH IN MATHEMATICAL TEXTBOOKS AT SECONDARY SCHOOL Jiří Břehovský, Petr Emanovský .....	33
DIRICHLET'S PRINCIPLE AS AN ELEMENTARY MATHEMATICAL MODEL IN MATHEMATIC EDUCATION Sona Ceretkova, Lubica Korenekova .....	45
THE CHARACTERISTIC FREQUENCY BANDS ANALYSIS OF BRAIN WAVE DURING LEARNING Fu-Chien Kao, Wei-De Li, Han-Chieh Hsien, Chih-Hung Wang .....	56
BLOGGING TO SUPPORT INQUIRY-BASED LEARNING AND REFLECTION IN TEACHER STUDENTS' SCIENCE EDUCATION Jari Kukkonen, Sirpa Kärkkäinen, Teemu Valtonen, Tuula Keinonen .....	73
CHALLENGES OF THE EDUCATION FOR SUSTAINABLE DEVELOPMENT WITH PARTICULAR FOCUS ON THE SUB-SAHARAN AFRICA CONTEXT Liliana Mammino .....	85
GENDER DIFFERENCES IN SPORTS INVOLVEMENT AND MOTIVATION FOR ENGAGEMENT IN PHYSICAL EDUCATION IN PRIMARY SCHOOL Dragan Martinović, Jelena Ilić, Dragoljub Višnjić .....	94
TECHNICAL TEACHERS' FACTORS THAT INFLUENCE STUDENTS' ACADEMIC PERFORMANCE IN INDUSTRIAL EDUCATION Suobere T. Puyate, Iheanyi Nwokanma Okwakpam .....	101
MODERN TOOLS FOR POPULARIZATION AND MOTIVATION STUDENTS IN PHYSICS TEACHING Marie Volná, František Látal, Veronika Kainzová, Jan Říha .....	112

THE POPULARITY OF GEOGRAPHY IN POLAND AS A SCIENTIFIC DISCIPLINE TO STUDY INTRODUCTORY REPORT OF THE RESEARCH Bożena Wójtowicz .....	119
--	-----

**Information**

INSTRUCTIONS FOR AUTHORS .....	129
JOURNAL OF BALTIC SCIENCE EDUCATION .....	131