

CONTENTS

Editorial

THE CONCEPT OF INERTIA: AN INTERDISCIPLINARY APPROACH Paolo Bussotti	4
--	---

Articles

THE ROLE OF MATH AND SCIENCE EXPOSURE ON THE EFFECT OF 5E INSTRUCTIONAL MODEL IN PHYSICS CONCEPTIONS Michael Allan A. Bahtaji	10
---	----

THE EFFECTS OF STEM ACTIVITIES ON 6TH GRADE STUDENTS' CONCEPTUAL DEVELOPMENT OF SOUND Ayşegül Dedetürk, Aslı Saylan Kırmızıgül, Hasan Kaya	21
--	----

DEVELOPING A SELF-EFFICACY SCALE TOWARD PHYSICS SUBJECTS FOR LOWER-SECONDARY SCHOOL STUDENTS Mustafa Fidan, Meric Tuncel	38
--	----

IMPACT OF INSTRUCTION ON SCIENCE PERFORMANCE: LEARNING INITIATIVE AS A MEDIATOR AND GENDER AS A LIMITED MODERATOR Tao Jiang, Ji-gen Chen, Yin-yin Wu	50
--	----

STUDENT, PARENT AND TEACHER PERCEPTIONS ON THE BEHAVIORAL CHARACTERISTICS OF SCIENTIFIC CREATIVITY AND THE IMPLICATIONS TO ENHANCE STUDENTS' SCIENTIFIC CREATIVITY Insun Lee, Jongwon Park	67
--	----

THE CONCEPTUAL STRUCTURE OF CHEMICAL EQUILIBRIUM IN UPPER-SECONDARY SCHOOL STUDENTS: EVIDENCE FROM FACTOR ANALYSIS Yuhua Mai, Yangyi Qian, Linshen Li, Haihang Lan	80
--	----

PEDAGOGICAL MODEL FOR DECOLONISING, INDIGENISING AND TRANSFORMING SCIENCE EDUCATION CURRICULA: A CASE OF SOUTH AFRICA Maxwell Jnr Opoku, Angela James	93
---	----

THE PREDICTORS OF NINTH GRADE STUDENTS' ATTITUDES TOWARDS PLANTS Meryem Selvi, Emel Çelepçıkay İslam	108
--	-----

GRADE 6 & 9 STUDENT AND TEACHER PERCEPTIONS OF TEACHING AND LEARNING APPROACHES IN RELATION TO STUDENT PERCEIVED INTEREST/ENJOYMENT TOWARDS SCIENCE LEARNING Moonika Teppo, Regina Soobard, Miia Rannikmäe	119
--	-----

EFFECT OF A STEM-ORIENTED COURSE ON STUDENTS' MARINE SCIENCE MOTIVATION, INTEREST, AND ACHIEVEMENTS Liang-Ting Tsai, Cheng-Chieh Chang, Hao-Ti Cheng	134
--	-----

ANALYSIS OF TWO-TIER QUESTION SCORING METHODS: A CASE STUDY ON THE LAWSON'S CLASSROOM TEST OF SCIENTIFIC REASONING Shao-Na Zhou, Qiao-Yi Liu, Kathleen Koenig, Qiu-ye Li, Yang Xiao, Lei Bao	146
--	-----

Information

INFORMATION FOR CONTRIBUTORS	160
---	-----

PROBLEMS OF PSYCHOLOGY IN THE 21ST CENTURY	161
---	-----

NATURAL SCIENCE EDUCATION	162
--	-----

EDUCATION POLICY, MANAGEMENT AND QUALITY	163
---	-----

