

CONTENTS

Editorial

ELEGANCE IN SCIENCE AND SCIENCE EDUCATION

Boris Aberšek 420

Articles

COGNITIVE INTEREST: PROBLEMS AND SOLUTIONS IN THE ACQUISITION OF SCIENCE AND MATHEMATICS IN SCHOOLS OF LATVIA

Dagnija Cēdere, Inese Jurgena, Ineta Helmane, Inta Tiltiņa-Kapele, Gunita Praulīte 424

CONTEXT-BASED LESSONS WITH 5E MODEL TO PROMOTE CONCEPTUAL UNDERSTANDING OF CHEMICAL REACTIONS AND ENERGY CONCEPTS

Ceyhan Cigdemoglu, Omer Geban 435

CHANGES IN THE NUMBER OF IDEAS DEPENDING ON TIME WHEN CONDUCTING SCIENTIFIC CREATIVITY ACTIVITIES

Daehyeok Kang, Jongwon Park, Hanghwa Hong 448

NEW NATURAL SCIENCE LITERACIES OF ONLINE RESEARCH AND COMPREHENSION: TO TEACH OR NOT TO TEACH

Metka Kordigel Aber ek, Kosta Dolenc, Andrej Flogie, Ana Koritnik 460

COGNITIVE BASIS AND SEMANTIC STRUCTURE OF PHENOMENOLOGICAL REASONING ON SCIENCE AMONG LOWER SECONDARY SCHOOL STUDENTS: A CASE OF INDONESIA

Johanes Pelamonia, Aloysius Duran Corebima 474

THE CONTRIBUTION OF LEARNING MOTIVATION AND METACOGNITIVE SKILL ON COGNITIVE LEARNING OUTCOME OF STUDENTS WITHIN DIFFERENT LEARNING STRATEGIES

Arsad Bahri, Aloysius Duran Corebima 487

PROSPECTIVE SCIENCE TEACHERS' LEVELS OF UNDERSTANDING AND EXPLANATION OF ANIMAL AND PLANT CELLS: DRAW-WRITE

Huriye Deniz Çeliker 501

ANALYSIS AND INTERVENTION OF STUDENT KNOWLEDGE OF NUTRITION AND SEXUALITY AT A PENAL INSTITUTION

Agustín Pozo Tamayo, Lina Viviana Melo Niño, Javier Cubero Juárez 513

EXPLORING THE RELATIONSHIP BETWEEN COGNITIVE STRUCTURE OUTCOMES AND TEST ACHIEVEMENTS OF PRE-SERVICE SCIENCE TEACHERS ON CHEMICAL BONDING VIA FLOW MAPPING

Elif Atabek-Yigit 524

TERTIARY ECONOMY AND MANAGERIAL STUDY FIELDS AND ISSUES OF SCIENCE EDUCATION AIMED AT DATABASE SYSTEMS

Ján Záhorec, Alena Hašková, Michal Munk, Martin Bílek 535

Information

INFORMATION FOR CONTRIBUTORS 556

PROBLEMS OF PSYCHOLOGY IN THE 21ST CENTURY 557

QUALITY ISSUES AND INSIGHTS IN THE 21ST CENTURY 558

SCIENCE AND TECHNOLOGY EDUCATION: ENGAGING THE NEW GENERATION 559

