

CONTENTS

Editorial

WHO IS AND SHOULD BE A SCIENCE TEACHER

Martin Bílek 520

Articles

UPPER-SECONDARY SCHOOL STUDENTS' APPROACHES TO SCIENCE EXPERIMENTS IN AN EXAMINATION DRIVEN CURRICULUM CONTEXT

Tamirirofa Chirikure 523

THE INFLUENCE OF INTERACTION WITH NATURE IN CHILDHOOD ON FUTURE PRO-ENVIRONMENTAL BEHAVIOR

Šárka Doležalová Křepelková, Jan Krajhanzl, Roman Kroufek 536

TRENDS AND FOUNDATIONS IN RESEARCH ON STUDENTS' CONCEPTUAL UNDERSTANDING IN SCIENCE EDUCATION: A METHOD BASED ON THE STRUCTURAL TOPIC MODEL

Shuaishuai Mi, Shanshan Lu, Hualin Bi 551

PHYSICS TEACHERS' PERCEPTIONS ON SUSTAINABLE PHYSICS EDUCATION

Nurfaradilla Mohamad Nasri, Nurfarahin Nasri, Mohamad Asyraf Abd Talib 569

TEACHERS' PERCEPTIONS OF USING THE BLENDED LEARNING APPROACH FOR STEM-RELATED SUBJECTS WITHIN THE FOURTH INDUSTRIAL REVOLUTION

Jayaluxmi Naidoo, Asheena Singh-Pillay 583

THE IMPACT OF PHYSICAL MOLECULAR MODELS ON STUDENTS' VISUO-SEMIOTIC REASONING SKILLS RELATED TO THE LEWIS STRUCTURE AND BALL & STICK MODEL OF AMMONIA

Thobile Nkosi, Lindelani Mnguni 594

THE SCIENCE LEARNING ENVIRONMENT PRIMARY SCHOOL STUDENTS' IMAGINE

Demet Şahin Kalyon 605

DEVELOPMENT OF SCIENTIFIC INQUIRY SKILLS OF SCIENCE TEACHING THROUGH ARGUMENT-FOCUSED VIRTUAL LABORATORY APPLICATIONS

Aysegul Kınık Topalsan 628

EXPLORING THE EFFECTS OF GUIDANCE IN A COMPUTER DETECTIVE GAME FOR SCIENCE EDUCATION

Fu-Hsing Tsai, I-Ying Hsu 647

DEFINING TEACHER OWNERSHIP: A SCIENCE EDUCATION CASE STUDY TO DETERMINE CATEGORIES OF TEACHER OWNERSHIP

Ana Valdmann, Jack Holbrook, Miia Rannikmäe 659

INFLUENCING FACTORS OF 10TH GRADE STUDENTS' SCIENCE CAREER EXPECTATIONS: A STRUCTURAL EQUATION MODEL

Jingying Wang, Mingyue Yang, Beibei Lv, Feixiong Zhang, Yonghe Zheng, Yihong Sun 675

Information

INFORMATION FOR CONTRIBUTORS 687

