## CONTENTS

## Editorial

PAST, PRESENT AND FUTURE OF JOURNAL OF BALTIC SCIENCE EDUCATION  Muhammet Usak	364
Articles	
STUDENTS' VIEWS OF SCIENTIFIC INQUIRY IN A CREATIVE DRAMA ACTIVITY Aslı Sarışan-Tungaç, Süleyman Yaman, Belgin Bal-Incebacak	367
PRACTICALITY AND EFFECTIVENESS OF THE IBMR TEACHING MODEL TO IMPROVE PHYSICS PROBLEM SOLVING SKILLS loko Siswanto, Endang Susantini, Budi Jatmiko	201
SAUDI CHILDREN'S TAXONOMIC KNOWLEDGE OF ANIMAL SPECIES	381
ayadh Hamed Alanazi	395
THE IMPACT OF CARICATURE DRAWINGS IN THE ACQUISITION OF SCIENTIFIC CONCEPTS AND ATTITUDES OF 4TH GRADE STUDENTS FOR BASIC EDUCATION TOWARDS SCIENCE Sheikha Al-Araimi, Abdullah Ambusaidi, Mohammed Selim, Mohammed Al Amri	
DIFFERENTIATION IN SAUDI PRE-SERVICE SCIENCE TEACHER PROGRAM Amani K. Hamdan Alghamdi, Saiqa Azam	428
THE EFFECTS OF ELECTIVE COURSE DESIGNED WITH DIFFERENT CONTENTS ON PRE-SERVICE SCIENCE TEACHERS' SELF-EFFICACY BELIEFS AND KNOWLEDGE ABOUT ORGANIZING CURRICULUM BASED FIELD TRIPS  Aykut Emre Bozdoğan	
THE COGNITIVE STRUCTURE OF PRE-SERVICE SCIENCE TEACHERS ABOUT ENERGY METABOLISM	
Yeşim Yener, Mehmet Bahar, Naciye Somuncu Demir, Mustafa Yılmaz, Dündar Yener	462
BIOLOGY EDUCATION STUDENTS' MENTAL MODELS ON GENETIC CONCEPTS  Tri Jalmo, Tri Suwandi	474
A DESCRIPTION OF VISUAL LITERACY AMONG THIRD YEAR BIOCHEMISTRY STUDENTS Lindelani Mnguni	486
EDUCATIONAL SHORT VIDEOS TO UTILIZE IN THE BIOCHEMISTRY LABORATORY: DPINIONS OF UNIVERSITY STUDENTS Melis Arzu Uyulgan, Nalan Akkuzu	496
FEACHING ABOUT ROLLING MOTION: EXPLORING THE EFFECTIVENESS OF AN EXTREME CASE REASONING APPROACH	
Andrej Vidak, Nataša Erceg, Elvedin Hasović, Senad Odžak, Vanes Mešić	511
Information	
NFORMATION FOR CONTRIBUTORS	525
PROBLEMS OF PSYCHOLOGY IN THE 21ST CENTURY	526
QUALITY ISSUES AND INSIGHTS IN THE 21ST CENTURY	527