CONTENTS

ISSN 1648-3898 /Print/ ISSN 2538-7138 /Online/

CONTENTS

Editorial		
PUBLIC SCIENCE EDUCATI	ON: SOME MORE ROLES	AND CONTRIBUTIONS

Todar Lakhvich	864
Articles	
THE EFFECT OF REACT STRATEGY ON ACHIEVEMENT IN SCIENCE EDUCATION: A MIXED RESEARCH SYNTHESIS	
Cenk Akay, Sedat Kanadli	868
STUDENTS' ATTITUDES TOWARDS SCIENCE: THE CONTRIBUTION OF A CITIZEN SCIENCE PROJECT FOR MONITORING COASTAL WATER QUALITY AND (MICRO)PLASTICS José Luís Araújo, Carla Morais, João Carlos Paiva	881
PRE-SERVICE SCIENCE TEACHERS' EXPERIENCES OF HOME-BASED PRACTICAL WORK UNDER EMERGENCY REMOTE TEACHING Tamirirofa Chirikure	894
COMPREHENSIVE ANALYSIS OF THE FORT INSTRUMENT: USING DISTRACTOR ANALYSIS TO EXPLORE STUDENTS' SCIENTIFIC REASONING BASED ON ACADEMIC LEVEL AND GENDER DIFFERENCE	
Minsu Ha, Yustika Sya'bandari, Ai Nurlaelasari Rusmana, Rahmi Qurota Aini, Sarah Meilani Fadillah	906
ASSESSING THE VALIDITY AND RELIABILITY OF SCIENCE MULTIPLE CHOICE TEST USING RASCH DICHOTOMOUS MEASUREMENT MODEL	00.4
Najah Hazirah Mohd Dzin, Yoon Fah Lay	924
THE EFFECTS OF AUTONOMY-SUPPORTIVE AND CONTROLLING TEACHING BEHAVIORS ON PRIMARY STUDENTS' STEM LEARNING PERFORMANCE AND FLOW EXPERIENCE Chu-yu Ou, Shao-Rui Xu, Chu-ting Lu, Shao-Na Zhou, Hua Xiao	942
•	772
THE EFFECTS OF CONCEPT CARTOONS AND ARGUMENTATION BASED CONCEPT CARTOONS ON STUDENTS' ACADEMIC ACHIEVEMENTS	
Feyzi Osman Pekel	956
IMPLEMENTATION OF SSI CONCEPT MAPPING AS A DYNAMIC LEARNING ENVIRONMENT TO ENHANCE STUDENTS' SCIENTIFIC PERFORMANCE	060
King-Dow Su	969
EFFECT OF TEACHING AND LEARNING-SCRUM ON IMPROVEMENT PHYSICS ACHIEVEMENT AND TEAM COLLABORATION ABILITY OF LOWER-SECONDARY SCHOOL STUDENT	
Jia-Wen Xiang, Cai-Qin Han	982
Information	
INFORMATION FOR CONTRIBUTORS	1001