

Table of Contents

International Journal of Web-Based Learning and Teaching Technologies

Volume 13 • Issue 2 • April-June-2018 • ISSN: 1548-1093 • eISSN: 1548-1107

An official publication of the Information Resources Management Association

Research Articles

- 1 **An Examination of High School Students' Online Engagement in Mathematics Problems**
Woong Lim, Department of Teacher Education, Educational Leadership & Policy, University of New Mexico, Albuquerque, NM, USA
Ji-Won Son, Department of Learning and Instruction, University at Buffalo, The State University of New York, Buffalo, NY, USA
Susan Gregson, Department of Curriculum and Instruction, University of Cincinnati, OH, USA
Jihye Kim, Department of Secondary and Middle Grades Education, Kennesaw State University, Kennesaw, GA, USA

- 16 **The Optimization by Using the Learning Styles in the Adaptive Hypermedia Applications**
Lamia Hamza, Badji Mokhtar University, Annaba, Algeria
Guiassa Yamina Tlili, Badji Mokhtar University, Annaba, Algeria

- 32 **SVM and PCA Based Learning Feature Classification Approaches for E-Learning System**
Aditya Khamparia, Lovely Professional University, Jalandhar, India
Babita Pandey, Lovely Professional University, Jalandhar, India

- 46 **Too Many Words, Too Little Support: Vocabulary Instruction in Online Earth Science Courses**
Mary F. Rice, Department of Language, Literacy, & Sociocultural Studies, University of New Mexico, Albuquerque, USA
Donald D. Deshler, Center for Research on Learning, University of Kansas, Lawrence, USA

- 62 **Blog Phenomenology: Student Teachers' Views of Learning to Teach Economics**
Micheal M. van Wyk, University of South Africa, Pretoria, South Africa

COPYRIGHT

The *International Journal of Web-Based Learning and Teaching Technologies (IJWLTT)* (ISSN 1548-1093; eISSN 1548-1107), Copyright © 2018 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The *International Journal of Web-Based Learning and Teaching Technologies* is indexed or listed in the following: ACM Digital Library; Applied Social Sciences Index & Abstracts (ASSIA); Bacon's Media Directory; Burrelle's Media Directory; Cabell's Directories; CSA Illumina; DBLP; ERIC – Education Resources Information Center; Gale Directory of Publications & Broadcast Media; GetCited; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; Norwegian Social Science Data Services (NSD); PsycINFO®; SCOPUS; The Index of Information Systems Journals; The Standard Periodical Directory; Ulrich's Periodicals Directory