Abstracting / Indexing

ESCI - Emerging Sources Citation Index
ERIC - Education Resources Information Center
Scopus
EBSCOhost
Index Copernicus™
Cabell's Directory
DOAJ - Directory of Open Access Journals
Academic Journals Database
EdNA Online Database
ERA - Educational Research Abstracts Online
Electronic Journals Library
Genamics JournalSeek
Ulrich’s Periodicals Directory

Note: International Journal of Instruction has a wide range of abstracting/indexing services. However, the index services have the right of one-sided termination of the contracts and not to publish any of the articles. Therefore, we do not accept any responsibilities caused by indexing problems.
The authors are responsible for the errors, if any, in their published articles.
<table>
<thead>
<tr>
<th>Name</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assoc. Prof. Fasasi Yunus Adebunmi</td>
<td>NIGERIA</td>
</tr>
<tr>
<td>Asst. Prof. Abdelrahman Mohamed Ahmed</td>
<td>OMAN</td>
</tr>
<tr>
<td>Prof. Abdurrahman Kilic</td>
<td>TURKEY</td>
</tr>
<tr>
<td>Assoc. Prof. Orhan Akınoglu</td>
<td>TURKEY</td>
</tr>
<tr>
<td>Dr. Mohammad Akram</td>
<td>SAUDI ARABIA</td>
</tr>
<tr>
<td>Assoc. Prof. Nor A. Alias</td>
<td>MALAYSIA</td>
</tr>
<tr>
<td>Prof. Akmatali Alimbekov</td>
<td>KYRGYZSTAN</td>
</tr>
<tr>
<td>Assoc. Prof. Ali Al-Issa</td>
<td>OMAN</td>
</tr>
<tr>
<td>Prof. Khaled Al-Ajlouni</td>
<td>JORDAN</td>
</tr>
<tr>
<td>Asst. Prof. Hussain Alkharusi</td>
<td>OMAN</td>
</tr>
<tr>
<td>Prof. Isela Almaguer</td>
<td>USA</td>
</tr>
<tr>
<td>Assoc. Prof. Abu Mohammed Al-Mekhla</td>
<td>OMAN</td>
</tr>
<tr>
<td>Assoc. Prof. Remzi Y. Kuncal</td>
<td>TURKEY</td>
</tr>
<tr>
<td>Assoc. Prof. Val Klenowski</td>
<td>AUSTRALIA</td>
</tr>
<tr>
<td>Assoc. Prof. Prof. Yee Lai Kelly</td>
<td>HONG KONG</td>
</tr>
<tr>
<td>Assoc. Prof. Colin Lankshear</td>
<td>AUSTRALIA</td>
</tr>
<tr>
<td>Assoc. Prof. Kar-Tin Lee</td>
<td>AUSTRALIA</td>
</tr>
<tr>
<td>Assoc. Prof. Hsin-Chih Lin</td>
<td>TAIWAN</td>
</tr>
<tr>
<td>Assoc. Prof. Feng-Jung Liu</td>
<td>TAIWAN</td>
</tr>
<tr>
<td>Assoc. Prof. Manuel Lucero</td>
<td>SPAIN</td>
</tr>
<tr>
<td>Assoc. Prof. Zdena Lustigova</td>
<td>CZECH REPUBLIC</td>
</tr>
<tr>
<td>Prof. Ian Macdonald</td>
<td>AUSTRALIA</td>
</tr>
<tr>
<td>Prof. Lazarus Ndiki Makewa</td>
<td>KENYA</td>
</tr>
<tr>
<td>Asst. Prof. MD. Saiful Malak</td>
<td>BANGLADESH</td>
</tr>
<tr>
<td>Prof. Robin D. Mason</td>
<td>UNITED KINGDOM</td>
</tr>
<tr>
<td>Assoc. Prof. Mark A. Minott</td>
<td>CAYMAN ISLANDS</td>
</tr>
<tr>
<td>Dr. Norma T. Nemeh</td>
<td>JORDAN</td>
</tr>
<tr>
<td>Assoc. Prof. Nel Noddings</td>
<td>USA</td>
</tr>
<tr>
<td>Assoc. Prof. Yngve Troye Nordkvelle</td>
<td>NORWAY</td>
</tr>
<tr>
<td>Assoc. Prof. Ngboawaji Daniel Nte</td>
<td>NIGERIA</td>
</tr>
<tr>
<td>Prof. Eylem Oruç</td>
<td>TURKEY</td>
</tr>
<tr>
<td>Prof. M. Çağatay Özdemir</td>
<td>TURKEY</td>
</tr>
<tr>
<td>Assoc. Prof. Dr. Deborah Osberg</td>
<td>UNITED KINGDOM</td>
</tr>
<tr>
<td>Assoc. Prof. Serkan Padem</td>
<td>TURKEY</td>
</tr>
<tr>
<td>Assoc. Prof. Prof. Santosh Panda</td>
<td>INDIA</td>
</tr>
<tr>
<td>Assoc. Prof. Dr. Heri Retnawati</td>
<td>INDONESIA</td>
</tr>
<tr>
<td>Assoc. Prof. Prof. Sushanta Kumar Roul</td>
<td>INDIA</td>
</tr>
</tbody>
</table>
Asst. Prof. Şahin Danişman, TURKEY
Asst. Prof. Ajay Das, USA
Prof. Estella De Los Santos, USA
Asst. Prof. Ibrahim Delen, TURKEY
Prof. Ugur Demiray, TURKEY
Assoc. Prof. Esra Dereli, TURKEY
Assoc. Prof. Yannis Dimitriadis, GREECE
Asst. Prof. Mohamed Elsaadani, EGYPT
Prof. Noriko Fujioka-Ito, ABD
Prof. M. Jayne Fleener, USA
Assoc. Prof. Kristin A. Gansle, USA
Assoc. Prof. Lynn Keting-Gibson, USA
Prof. Margarita Victoria Gomez, BRAZIL
Prof. Lena Green, SOUTH AFRICA
Asst. Prof. Semra GÜNGÖR, TURKEY
Prof. Carol Hall, UNITED KINGDOM
Prof. Amani Hamdan, SAUDI ARABIA
Assoc. Prof. Jace Hargis, USA
Asst. Prof. Seyed Ahmad Hashemi, IRAN
Dr. Mark van’t Hooft, USA
Dr. Ghazi Adib Mustafa Husnieh, JORDAN
Asst. Prof. Irshad Hussain, PAKISTAN
Jaya Nur Iman, INDONESIA
Prof. Majed Abu Jaber, JORDAN
Assoc. Prof. Jason D. Johnson, UAE
Asst. Prof. Troy Jones, USA
Prof. William E. Doll, Jr., USA
Norma A. Juarez Collazo, BELGIUM
Prof. Gregory J. Kelly, USA
Assoc. Prof. Shahadat Hossain Khan, BANGLADESH
Asst. Prof. Muhammad Imran Yousuf, PAKISTAN
Prof. Abdalla Mohamed Khataybeh, JORDAN
Prof. Peter A. Rubba, USA
Prof. Despina Sapountzi-Kreppia, CYPRUS
Prof. Barbara Seidemann, SWITZERLAND
Assoc. Prof. Yilfashewa Seyoun, ETHIOPIA
Dr. Afsaneh Sharif, CANADA
Nadia Sharif, PAKISTAN
Prof. Ramesh Chander Sharma, INDIA
Asst. Prof. Laurie A. Sharp, USA
Prof. Ju-Ling Shih, TAIWAN
Asst. Prof. Mahesh B. Shinde, INDIA
Assoc. Prof. Hosin Shirvani, ABD
Assoc. Prof. Harison Mohd Sidek, MALAYSIA
Assoc. Prof. Parhindungan Sinaga, INDONESIA
Assoc. Prof. Richard B. Speaker, Jr., USA
Prof. N. Suzanne Standerford, USA
Prof. Howard Stevenson, UNITED KINGDOM
Dr. Simon Stobart, UNITED KINGDOM
Assoc. Prof. Pei-Chen Sun, TAIWAN
Prof. Karen Swan, USA
Prof. Jim Taylor, AUSTRALIA
Prof. Siew Ming Thang, MALAYSIA
Prof. Y. Gürcan Ültanir, TURKEY
Dr. Muhammad A. Wahid Usmani, SAUDI ARABIA
Prof. Erwin Wagner, GERMANY
Assoc. Prof. Michael Whitacre, USA
Asst. Prof. Julia Wilkins, USA
Dr. Kung Teck Wong, MALAYSIA
Asst. Prof. Chia Jung Yeh, USA
Prof. Ali Yıldırım, TURKEY
Prof. Allan E. Young, CAYMAN ISLANDS
Assoc. Prof. Muhammad Imran Yousuf, PAKISTAN
Dr. Yunisrina Qismullah Yusuf, INDONESIA
Prof. Galip Yüksel, TURKEY
Assoc. Prof. Eleni Zetou, GREECE
Contents

From the Editor: Summer University on Federalism, Decentralisation and Conflict Resolution
Yvonne Heiter, Asim Ari

Students’ Views on Strategic Note-taking and its Impact on Performance, Achievement, and Learning
Issa I. Salame, Ashley Thompson

Variables that Influence the Intention to Persist in Vocational Education
Thanapat Sripan, Chuchai Sujivorakul

Implementation of Technology-based Guided Inquiry to Improve TPACK among Prospective Biology Teachers
IRDALISA, PAIDI, DJUKRI

The Influence of Adolescent-Parent Career Congruence and Counselor Roles in Vocational Guidance on the Career Orientation of Students
Bambang Suryadi, Dian Ratna Sawitri, Bahrul Hayat, M. Dwirifqi Kharisma Putra

Strategies of Metacognition Based on Behavioural Learning to Improve Metacognition Awareness and Mathematics Ability of Students
Mohamad Salam, LA MISU, UTH RAHIM, Nanik Hindaryatiningish, Abd Rahman A. Ghani

Study of the Quality of Applicants’ Admission to Universities Based on the Results of the Unified State Exam in Russia
Lilyana M. Toomsalu-Stefanova, Elena N. Fokina, Alla V. Molchanova, Oksana N. Berduygina

PBLPOE: A Learning Model to Enhance Students’ Critical Thinking Skills and Scientific Attitudes
Apriza Fitriani, Siti Zubaidah, Herawati Susilo, Mimien Henie Irawati Al Muhdhar

Reading and Critical Thinking Techniques on Understanding Reading Skills for Early Grade Students in Elementary School
Trio Ardhian, Inayatul Ummah, Siti Anafiah, Reza Rachmadullah

Student Perceptions Towards the use of YouTube as An Educational Tool for Learning and Tutorials
Eugine Tafadzwa Maziriri, Parson Gapa, Tinashe Chuchu

The Effect of Advance Statistics Learning Integrated Minitab and Excel with Teaching Teams
Jackson Pasini Mairing

Foreign Language Writing in the Context of Modern Language Education in Non-Linguistic Majors
Irina Melikhova, Anna Skorobogatova

Students’ Result of Learning at Chemistry Department through Assessment of, for, and as Learning Implementation
Muchlis, Suhadi Ibnu, Subandi, Siti Marfuah

Exploring the Implementation of Local Wisdom-Based Character Education among Indonesian Higher Education Students
Nur Alfin Hidayati, Herman J. Waluyo, Retno Winarni, Suyitno
A Comparison Study of Learner Autonomy and Language Learning Strategies among Thai EFL Learners
Tirada Iamudom, Supong Tangkiengsirisin.............................................................199-212

Analysis of Language and Scientific Literacy Skills for 4th Grade Elementary School Students through Discovery Learning and ICT Media
Endang Widi Winarni, Daimun Hambali, Endina Patri Purwandari...........................................213-222

The Relationship between Reading Strategies and Reading Achievement of the EFL Students
Leonardus Par...........................................................................................................223-238

Mathematics Teachers’ Conceptions of Assessment: Gender and Academic Qualification Comparisons
Bibi Mahdieh Mirian, Hatemri Zulnaiid.................................................................239-252

Local Culture-based Storybook and Its Effect on Reading Competence
Ni Made Ratminingsih, I Gede Budasi, Wira Dharma Asha Kurnia......................................253-268

Facilitating the Acquisition of Receptive Vocabulary Knowledge among EFL Undergraduates Using a Cognitive Approach
Abeer Hameed Albashtawi, Paramaswari Jaganathan, Manjot Kaur Mehar Singh......................269-284

The Effect of Learning Models and Multiple Intelligences on Mathematics Achievement
La Ndia, Eti Solihatin, Zafliai Syahrial........................................................................285-302

The Use of Critical Thinking Aspects on Module to Enhance Students’ Academic Achievement
Yoga Dwija Wicaksana, Sri Widoretno, Sri Dwiastuti..................................................................303-314

The Influence of Reflection in an Introductory Security Course: A Single Case Study

The Effect of Learning with Reversible Problem-Solving Approach on Prospective-Math-Teacher Students’ Reversible Thinking
Syarifatul Maf’ulah, Dwi Juniati..................................................................................329-342

Transformation of Classroom Teaching in Modern Russian Schools: State of the Art
Natalya Andreeva, Irina Aizova, Elena Mitina, Anastasia Ischenko........................................343-364

Dimensions of Early Childhood Character Education Based on Multicultural and Community Local Wisdom
Harun, Amat Jaedun, Sudaryanti, Abdul Manaf........................................................................365-380

Receptiveness of Spanish and Flamenco Professional Dancers in Their Training and Development
Rosa de las Heras-Fernández, Mª Virginia García Coll, María Espada........................................381-392

The Effectiveness of Computer-Based Problem Solving to Improve Higher Order Thinking Skills on Prospective Teachers
Yarniwati, Dudung Amir Soleh................................................................................393-406

Students’ Habits of Mind Profiles of Biology Education Department at Public and Private Universities in Pekanbaru, Indonesia
Nurkhairo Hidayati, Tengku Idris................................................................................407-418

The State of Legal Consciousness Formation of Russian Students
Elvir M. Akhmetshina, Lilija M. Allanina, Elena N. Morozova, Natalia V. Volynkina, Lionella N. Nazarova...........................................................................................................419-430
The Influence of Problem-Based Learning Model as Learning Method, and Learning Motivation on Entrepreneurial Attitude
Munawaroh...........................................................................................................................................431-444

High School Teachers’ Perceptions and Implementations of Group Work in English Speaking Classes
Do Minh Hung, Le Thi Tuyet Mai............................................................................................................445-462

The Effectiveness of STEAM-Based Biotechnology Module Equipped with Flash Animation for Biology Learning in High School
Anjar Putro Utomo, Luthfiyatul Hasanah, Slamet Hariyadi, Erlia Narulita, Surano, Nural Umamah.................................................................463-476

Participants’ Perceptions of the Effectiveness of Online Continuing Professional Development for Principals in Central Java, Indonesia
Sukarno, Sumarwati......................................................................................................................................477-492

Online Social Presence “OSP” Patterns Correlation with Students’ Academic Performance among Master of Education Program Students
Yahya M. Al-dheleai, Zaidatun Tasir.........................................................................................................493-506

The Quality of Test Instruments Constructed by Teachers in Bima Regency, Indonesia: Document Analysis
Syahrul Ramadhan, Rudy Sumiharsono, Djemari Mardapi, Zuhdan Kun Prasetyo......................................507-518

Effects of Worksheets Base the Levels of Inquiry in Improving Critical and Creative Thinking
Marikke Muskita, Bambang Subali, Djukri.................................................................................................519-532

On the Effectiveness of Differentiated Instruction in the Enhancement of Jordanian Students’ Overall Achievement
Ibrahim Suleiman Ibrahim Magableh, Amelia Abdullah...........................................................................533-548

The Levels of Students’ Feeling of Rightness (FOR) in Solving Polygon Perimeter Problems
Puguh Darmawan, Purwanto, I Nengah Parta, Susiswo............................................................................549-566

Creating a Digital Writing Classroom: A Mixed Methods Study about a First-year Composition Tablet Initiative
Tara Hembrough, Jerrica Jordan...............................................................................................................567-586

The Analysis Factor of Self-Confidence of Buddhist Religious Teachers in Indonesia
Hesti Sadtyadi................................................................................................................................................587-600

An In-depth Qualitative Study of Teachers’ Role Identities: A Case of Iranian EFL Teachers
Pouria Aghaei, Mohammad Bavali, Fatemeh Behjat................................................................................601-620

Students’ Evaluation on Teaching in Vocational and Technical Schools
Edy Supriyadi, Yuwono Indro H., Eko Priyanto, Faranita Surwi...............................................................621-636

The Pupil’s Creativity is inspired by Experience through Electronic Media: Empirical Study in Yogyakarta
Suparmi, Siti Partini Suardiman, C. Asri Budiningtish............................................................................637-648

Saudi Education Preparation Providers Achieving CAEP Standards: Challenges, Recommendations, and Solutions
Mohammed S. Alkathiri..........................................................................................................................649-662
Self Efficacy and Emotional Quotient in Mediating Active Learning Effect on Students’ Learning Outcome
K. Kustyarini........................................................................................................................................663-676

Developing an Alternative Listening Comprehension Test to Benchmark Malaysian Undergraduates’ Listening Performances
Irma Ahmad, Mohamed Jafre Zainal Abidin...................................................................................677-690

The Bullying Behavior in Vocational Schools and its Correlation with School Stakeholders
Achmad Dardiri, Farida Hanum, Setya Raharja..............................................................................691-706

Work-integrated Learning Competencies: A Case Study in a Food Engineering Practice School Program
Ekarut Ruayruay, Krissananpong Kiritkara, Montira Nopharatana, Komkrit Chomsuwon, Sasitorn Sawannathep...............................................................................................707-720

Potential of E-CoPAL Strategy to Improve Analytical Problem Solving and Teamwork Skills in Accounting Education
Sri Sumaryati, Soetarno Wirayawan, Nunuk Suryani..................................................................721-732

Science Teachers’ Views about Inclusion of Socio-Scientific Issues in UAE Science Curriculum and Teaching
Sara Samir El Arbid, Hassan H. Tairab............................................................................................733-748

Teacher Practice and Integration of ICT: Why Are or Aren’t South African Teachers Using ICTs in Their Classrooms
Marien Alet Graham, Gerrit Stols, Ruan Kapp................................................................................749-766

Dimensionality and Predictive Validity of Schommer Epistemological Questionnaire among Philippine Pre-service Teachers
Rudolf T. Vecaldo............................................................................................................................767-782

The Employment of Listening Teaching Strategies in Elementary Classrooms by Jordanian Arabic Teachers
Mohammed Al-Badawi, Abdessalam Aljaafreh, Reda S. Al-Mawdieh..........................................783-796

Establishing the Profesionalism of Geography Teacher through Authentic Assessment Field Study
Aris Munandar, Enok Maryani, Dede Rohmat, Manat Rukinat......................................................797-818

Grade 12 Students’ Proficiency in Solving Probability Problems Involving Contingency Tables and Tree Diagrams
Francis K. Awuah, Ugorji I. Oghonmaya.........................................................................................819-834

A Meta-Analysis of Constructivism Learning Implementation towards the Learning Outcomes on Civic Education Lesson
Candra, Heri Retnawati.....................................................................................................................835-846

The Effect of Metacognitive Strategies Implementation on Students’ Reading Comprehension Achievement
Abdul Muhid, Eka Rizki Amalia, Hilda Hilaliyah, Nia Budiana, Muh Barid Nizaruddin Wajdi.................................................................................................................................847-862

The Use of L1 in English Reading Lessons of Hong Kong Chinese-Medium Secondary Schools
Ching Yau Wong...............................................................................................................................863-880

Meta-Analysis on the Effects of Teaching Methods on Academic Performance in Chemistry
Shalom Grace C. Siagano, Edna B. Nabau.......................................................................................881-894
The Effect of GeoGebra in Three-Dimensional Geometry Learning on Students’ Mathematical Communication Ability
Yaya S. Kusumah, Dedek Kustiawati, Tatang Herman.................................895-905