Journal of
Information and Learning

Volume 34 Issue 2 May-August 2023

ISSN 2697-6587 E-ISSN 2730-2202

Aims and Scope

Journal of Information and Learning [JIL] is a scholarly journal that addresses the following themes: library and information science, information management and knowledge management, library and information center management, information technology and information system, instructional systems design, educational technology, instructional media and innovations, learning environment and resource administration, and other related fields.

Publication Frequency

Issue 1 January-April
Issue 2 May-August
Issue 3 September-December

Sources of Support

Office of Academic Resources,
Prince of Songkla University, Patttani Campus

Publisher

Division of Technology and Learning Innovation,
Office of Academic Resources,
Prince of Songkla University, Patttani Campus

Mailing Address

Journal of Information and Learning, Office of Academic Resources, Prince of Songkla University, Patttani Campus
181 Charoenpradit Road, Rusamilae Subdistrict, Mueang District, Pattani Province 94000, Thailand

Submission

https://so04.tci-thaijo.org/index.php/jil

Peer Review Process

Any manuscript to be accepted for publication must have been reviewed and approved by at least three peer reviewers in that particular field or related fields. The journal has a double-blind peer review policy which means that neither the peer reviewer nor the author knows the identity of each other.

Types of articles

Research Article
Review Article
Book Review

Languages for Publication

English and Thai

Publication Fee

Authors are required to pay a publication fee for their articles at a rate specified by the journal, with a maximum fee of 4,000 baht.

Open Access Policy

This journal provides immediate open access to its content on the principle that making research freely available to the public supports a greater global exchange of knowledge.

Copyright Notice

The Journal of Information and Learning is operated by the Office of Academic Resources, Prince of Songkla University. All articles published in the journal are protected by Thailand copyright law. This copyright covers the exclusive rights to share, reproduce and distribute the article, including in electronic forms, reprints, translations, photographic reproductions, or similar. Authors own copyrights in the works they have created as well as the Office of Academic Resources. The Journal reserves the right to edit the language of papers accepted for publication for clarity and correctness, as well as to make formal changes to ensure compliance with the journal's guidelines. All authors must take public responsibility for the content of their paper.

Editorial Team

Journal of Information and Learning

Adviser

Prof.Sanit Aksornkoae, Ph.D.
Chairman of the National Economics and Social Development Council of Thailand

Asst.Prof.Montira Leelakriangsak, Ph.D.
Vice President for Academic Affairs, Prince of Songkla University, Thailand

Editor-in-Chief

Asst.Prof.Somporn Chuai-aree, Ph.D.
Faculty of Science and Technology, Prince of Songkla University, Thailand

Assistant Editors

Asst.Prof.Saranlita Chotirat, Ph.D.
Faculty of Humanities and Social Sciences, Prince of Songkla University, Thailand

Chamaiporn Inkaew, Ph.D.
Faculty of Education, Prince of Songkla University, Thailand

Editorial Board

Prof.Chutima Sacchanand, Ph.D.
School of Liberal Arts, Sukhothai Thammathirat Open University, Thailand

Prof.Farok Bin Zakaria, Ph.D.
College of Islamic Studies, Prince of Songkla University, Thailand

Prof.Jaitip Nasongkhla, Ph.D.
Faculty of Education, Chulalongkorn University, Thailand

Prof.Jittavee Khlaisang, Ph.D.
Faculty of Education, Chulalongkorn University, Thailand

Prof.Kulthida Tuamsuk, Ph.D.
Faculty of Humanities and Social Sciences, Khon Kaen University, Thailand

Prof.Prachyanun Nilsook, Ph.D.
Faculty of Technical Education, King Mongkut's University of Technology North Bangkok, Thailand

Prof.Sumalee Chaijaroen, Ph.D.
Faculty of Education, Khon Kaen University, Thailand

Jane L. Howland, Ph.D.
University of Missouri, Columbia

Assoc.Prof.Anirut Satiman, Ph.D.
Faculty of Education, Silpakorn University, Thailand

Assoc.Prof.Jantima Kheokao, Ph.D.
School of Communication Arts, University of the Thai Chamber of Commerce, Thailand

Assoc.Prof.Lampang Manmart, Ph.D.
Faculty of Humanities and Social Sciences, Khon Kaen University, Thailand

Assoc.Prof.Namtip Wipawin, Ph.D.
School of Liberal Arts, Sukhothai Thammathirat Open University, Thailand

Assoc.Prof.Nattaphon Rampai, Ph.D.
Faculty of Education, Kasetsart University, Thailand

Assoc.Prof.Wichai Napapongs, Ph.D.
Faculty of Education, Prince of Songkla University, Thailand

Assoc.Prof.Imjit Lerttongsonbat
Retired Government Official, Prince of Songkla University, Thailand

Assoc.Prof.Panyarak Ngamsritragul
Retired Government Official, Prince of Songkla University, Thailand

Asst.Prof.Denpong Soodphakdee, Ph.D.
Faculty of Engineering, Khon Kaen University, Thailand

Asst.Prof.Pimrumpai Premsmit, Ph.D.
Faculty of Arts, Chulalongkorn University, Thailand

Supoet Srinutapong, Ph.D.
Advanced Info Service Public Company Limited, Thailand

Academic Section

Asst.Prof.Salang Musikasuwan, Ph.D.
Faculty of Science and Technology,
Prince of Songkla University, Thailand

Chanuwan Phetkla, Ph.D.
Faculty of Humanities and Social Sciences,
Prince of Songkla University, Thailand

Journal Manager

Khanitsorn Rakjitr
Office of Academic Resources,
Prince of Songkla University, Thailand

Management Section

Amornpan Pattaro
Kulwadee Saraporn
Jutarat Panphadung
Nichada Nualla-ong
Nusra Tokse
Patt Emmawat
Salisa Leamsuwan
Vitchayaporn Fuengfukajorn
Office of Academic Resources,
Prince of Songkla University, Thailand

JIL

Table of Contents

Volume 34, Issue 2, May - August, 2023

Research Article

Synthesis of a Virtual Learning Environment Model With Engineering Design Process to Enhance Students' Creative Thinking Skills 1
Phongampai Thammaariyasakun, Wichai Napapongs, Jirawat Tansakul, and Chamaiporn Inkaew

The Development of Microlearning Inquiry Questions on the Topic of Ecosystem to Enhance Science Concepts for Ninth Grade Students 16
Panisara Sarakai and Jakkrit Jantakoon

Development of Online Project-Based Learning Model Integrated With Design Thinking to Enhance Creative Problem-Solving Abilities and Creative Products of Undergraduate Students 25
Pattaraporn Chaleoychanya, Thapanee Thammetar, Anirut Satiman, and Eknarin Bangtamai

Development of Virtual Learning Environment Based on Constructivism to Enhance Computational Thinking Skills in Grade 10 Students Taking Computing Science Course 1 40
Ismaal Pooyang, Ophat Kaosaiyaporn, and Afifi Lateh

Developing Indicators of Digital Technology Competencies of Student Teachers 52
Rujroad Kaewurai, Aumporn Lincharoen, Mayuree Phitthayasenee, Rongrop Noysakun, and Chartchavalit Wannakhao

The Development of Online Digital Intelligence Quotient Assessment System for Junior High School Students: A Case Study Area of Mueang District in Nakhon Pathom Province 64
Uraiwan Srichailard

A Study of Opinions on Emergency Remote Teaching With Technology-Supported Learning in a Course on Robot Technology, Artificial Intelligence, and Gaming Projects in Education for Undergraduate Students in Faculty of Education at Phuket Rajabhat University 77
Danaisak Karo

The Information Behavior of Researchers on the Culture of the Greater Mekong Subregion 87
Suwannee Hoaihongthong and Kanyarat Kwiecien

The Development of a Web Application for Promoting Community-Based Tourism in Roatonchan and Banwanghat Villages in Sukhothai Province 99
Fa Wilaikum and Nongpanga Sukosot

The Development of Information System for Supporting the Administration of the Office of Academic Resources, Prince of Songkla University 108
Shareef Lamak

Utilizing the Zoom Application for Online University Admissions Interviews 122
Tippawan Pinthongpan

Development of a Digital Marketing Advertising Film Creation Model for Generation Z 133
Sutee Julakarn

Confirmatory Factor Analysis of News Organization Brand Credibility Indicator Model in Thailand 142
Narumon Singhaprasert, Pairote Wilainuch, and Mana Treelayapewat

Community Knowledge: Local Wisdom in Folk Handicrafts of Barahom Community in Pattani 158
Virintorn Auksornnit, Chanda Pitagsalee, Montakan Atthasongkrow, Songtham Kaewprathom, Mukda Thammakirati, and Kajohnpong Noothong