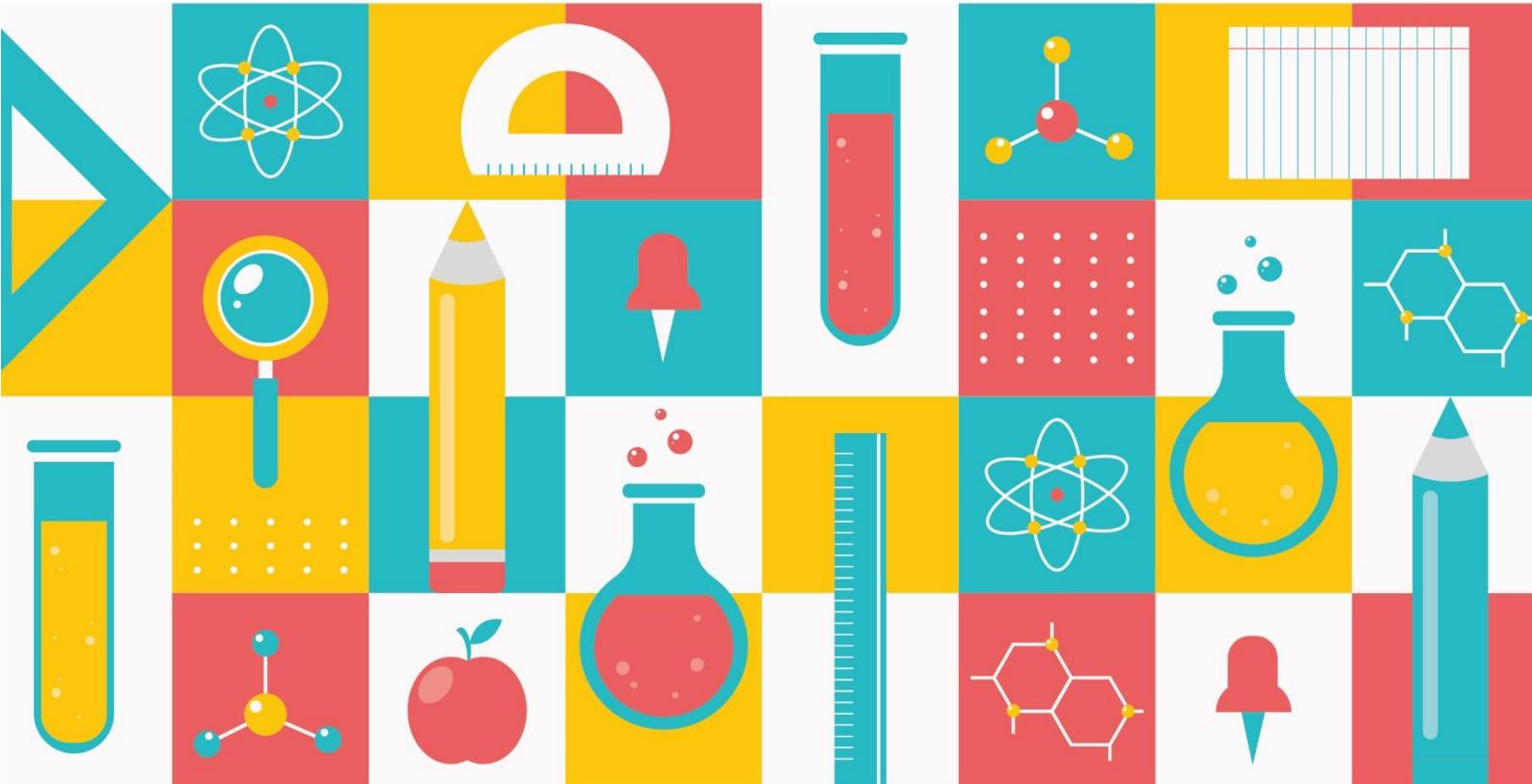


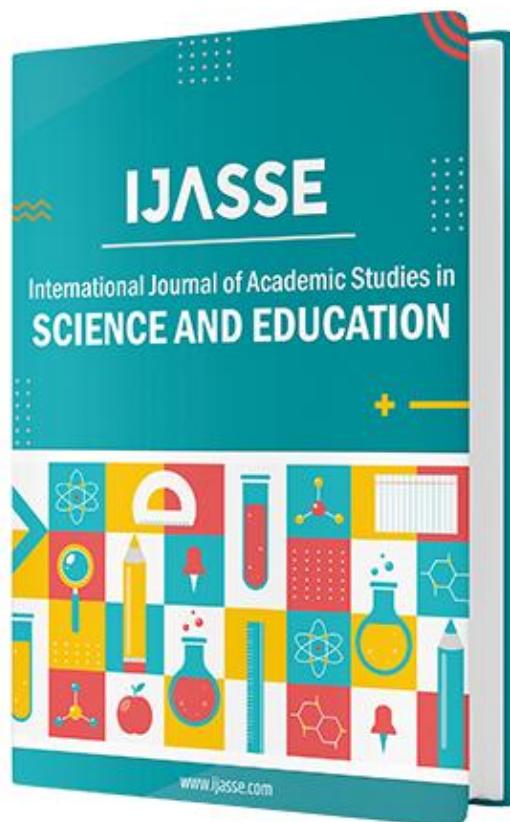
IJASSE

International Journal of Academic Studies in **SCIENCE AND EDUCATION**

Vol 3, No 2 - Year 2025



International Journal of Academic Studies in Science and Education (IJASSE)



e-ISSN: 3023-5510

IJASSE is double blind peer review international academic journal

Volume 3, No 2

Year 2025

Editor

Dr. Samantha M. Curle, *University of Bath*, United Kingdom

Dr. Mustafa Tevfik Hebebcı, *Necmettin Erbakan University*, Turkiye

Language Editor

Dr. Oya Tunaboylu, *Kırklareli University*, Turkiye

Editorial Board

Dr. Ali Derakhshan, *Golestan University*, Iran

Dr. Ana Kazaishvili, *Georgian National University SEU*, Georgia

Dr. Artur Rada, *University of Tirana*, Albania

Dr. Brian Hibbs, *Dalton State College*, United States

Dr. Danielle Gonçalves de Oliveira Prado, *Federal Technological University of Paraná*, Brazil

Dr. Davide Carneiro, *Polytechnic Institute of Porto*, Portugal

Dr. Enio Deneko, *Polytechnic University of Tirana*, Albania

Dr. Gibson Muridzi, *University of Johannesburg*, South Africa

Dr. Gulzhaina K. Kassymova, *Abai Kazakh National Pedagogical University*, Kazakhstan

Dr. Habibe Güneş, *Fırat University*, Turkiye

Dr. Haruni Machumu, *Mzumbe University*, Tanzania

Dr. Helmut Takahiro Uchida, *Tokai University*, Japan

Dr. Irida Nasufi, *University of Tirana*, Albania

Dr. Irwanto Irwanto, *Jakarta State University*, Indonesia

Dr. Jelena Maksimović, *University of Niš*, Serbia

Dr. Justus Nyamwera Nyagwencha, *United States International University Africa*, Kenya

Dr. Koen DePryck, *Montclair State University*, United States

Dr. Manuel Florindo Alves Meirinhos, *Polytechnic Institute of Bragança*, Portugal

Dr. Mehmet Özaslan, *Gaziantep University, Turkiye*

Dr. Selahattin Alan, *Selçuk University, Turkiye*

Dr. Stamatios Papadakis, *The University of Crete, Greece*

Dr. Takuya Matsuura, *Hiroshima University, Japan*

Dr. Vera Arezina, *University of Belgrade, Serbia*

Dr. Victoria I. Marín Juarros, *University of Lleida, Spain*

Desing and Layout

Ahmet Kurnaz, *Adana Science and Technology University, Turkiye*

Hasan Gökhan Can, *Ministry of National Education, Turkiye*

Technical Support

Naci Küçükgençay, *Ministry of National Education, Turkiye*

About the Journal

The International Journal of Academic Studies in Science and Education (IJASSE) is a peer-reviewed scholarly online journal. The IJASSE is published quarterly in Winter and Summer. The IJASSE is published biannual as an international scholarly, peer-reviewed online journal. There is no publication fee in the IJASSE. The IJASSE is an international journal and welcomes any research papers on science and education using techniques from and applications in any technical knowledge domain: original theoretical works, literature reviews, research reports, social issues, psychological issues, curricula, learning environments, book reviews, and review articles.

The articles should be original, unpublished, and not in consideration for publication elsewhere at the time of submission to the IJASSE. Authors are solely responsible for ensuring that their articles comply with scientific and ethical standards and for the content of the article. The journal holds the copyright for all published articles. The publisher disclaims any liability for loss, actions, claims, proceedings, demands, or costs or damages whatsoever arising directly or indirectly in connection with or arising out of the use of the research material. Authors, applicable copyright laws and treaties should be observed. Copyrighted material (e.g. tables, figures or large quotations) should be used with appropriate permission and acknowledgment. All authors are required to disclose any actual or potential conflicts of interest, including financial, personal, or other relationships with individuals or organizations related to the submitted work. The work of other authors, contributors or sources cited should be used appropriately and acknowledged in the references.

Submissions

All submissions should be in electronic (.Doc or .Docx) format. Submissions in PDF and other non-editable formats are not acceptable. Papers are accepted only in English. Manuscripts can be submitted through the journal website (<https://www.ijaste.com>). All manuscripts should use the latest APA 7 style. The manuscript template for formatting is available on the journal website.

Contact Info

International Journal of Academic Studies in Science and Education (IJASSE)

Email: ijasseoffice@gmail.com

Web: <http://www.ijasse.com>

Table of Contents

Patterns of LLM Weaponization: A Comparative Analysis of Exploitation Incidents Across Commercial AI Systems <i>George Antoniou</i>	125
Empowering Mathematics Teachers Through Geogebra Training On Solids And Nets: A Community Engagement Approach <i>Mufarrido Husnah, Jarnawi Afgani Dahlan, Tatang Herman</i>	147
A Comparative Analysis of Turkey and the US National Artificial Intelligence Strategies in the Context of Strategic Priorities <i>H. Buluthan Çetintas</i>	161
Thinking about Thinking, from Searching to Evaluating: Students' Metacognitive Strategy in Digital Literacy Practices <i>Ade Windiana Argina</i>	185
Investigation of Preservice Elementary Teachers' Conceptual Understanding of Integrated Science Concepts <i>Benjamin Anim-Eduful, Godwin Kwame Aboagye, Obed Baah-Yanney</i>	209