

# YILDIZ JOURNAL OF EDUCATIONAL RESEARCH

YILDIZ EĞİTİM ARAŞTIRMALARI DERGİSİ

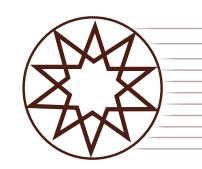
**Year** 2025

Volume 10

Number 1







#### Volume 10 Number 1 Year 2025

#### **Managing Editor**

On behalf of Faculty of Education, Yıldız Technical University

Dr. Mehmet Engin DENİZ, Dean of Faculty of Education, Yıldız Technical University, Istanbul, Türkiye

#### **Founding Editor**

**Dr. Hasan Basri GÜNDÜZ**, Department of Educational Administration and Supervision, Yıldız Technical University, Istanbul, Türkiye

#### **Editor-in-Chief**

Dr. Suzan KAVANOZ, Department of Foreign Languages, Yıldız Technical University, Istanbul, Türkiye

#### Co-Editors

Dr. M. Betül YILMAZ, Faculty of Education, Yıldız Technical University, Istanbul, Türkiye

Dr. Emre ER, Faculty of Education, Yıldız Technical University, Istanbul, Türkiye

#### **Language Editor**

Dr. Selahattin YILMAZ, School of Foreign Languages, Yıldız Technical University, Istanbul, Türkiye

#### **Editorial Board**

Dr. Adnan Baki, Department of Mathematics Education, Fatih Faculty of Education, Trabzon University, Trabzon, Türkiye

Dr. Ali Çağatay Kılınç, Faculty of Letters, Karabük University, Karabük, Türkiye

Dr. Deanna Lankford, The Institute of ReSTEM, College of Education, University of Missouri, Columbia, MO, USA

**Dr. Ece Zehir Topkaya**, Department of Foreign Language Education, Faculty of Education, Çanakkale 18 Mart University, Çanakkale, Türkiye

Dr. Feza Orhan, Faculty of Educational Sciences, Bahçeşehir University, İstanbul, Türkiye

Dr. Hatice Gülru Yüksel, Faculty of Education, Yildiz Technical University, İstanbul, Türkiye

Dr. Hikmet Yazıcı, Fatih Faculty of Education, Trabzon University, Trabzon, Türkiye

Dr. Joanna Madalinska-Michalak, Faculty of Pedagogy, University of Warsaw, Warsaw, Poland

Dr. Martha Nyikos, Literacy, Culture, and Language Education, School of Education, Indiana University, Bloomington,

Dr. Mehmet Gürol, Department of Educational Sciences, Faculty of Education, Yildiz Technical University, İstanbul, Türkiye

Dr. Nemira Mačianskienė, Institute of Foreign Languages, Vytautas Magnus University, Kaunas, Lithuania, Nemira

**Dr. Mukadder Boydak,** Department of Educational Administration, Faculty of Education, Elazığ Fırat University, Elazığ, Türkiye

Dr. Mustafa Özcan, Faculty of Education, MEF University, Istanbul, Türkiye

**Dr. R. Cengiz Akçay,** Department of Psychological Counseling and Guidance, Faculty of Education, İstanbul Aydın University, İstanbul, Türkiye

Dr. Şener Büyüköztürk, Faculty of Education, Hasan Kalyoncu University, Gaziantep, Türkiye

**Dr. Yasemin Koçak Usluel**, Department of Computer Education and Instructional Technology, Faculty of Education, Hacettepe University, Ankara, Türkiye

Dr. Yavuz Akbulut, Department of Educational Sciences, Faculty of Education, Anadolu University, Eskişehir, Türkiye

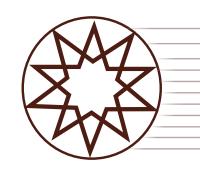
Dr. Yavuz Erişen, Department of Educational Sciences, Faculty of Education, Yildiz Technical University, Istanbul, Türkiye

**Dr. Yusuf Cerit**, Department of Elementary Education, Faculty of Education, Abant İzzet Baysal University, Bolu, Türkiye

Dr. Youngkyun Baek, Department of Educational Technology, Boise State University, Boise, ID, USA

**Dr. Zekeriya Nartgün,** Department of Educational Sciences, Faculty of Education, Abant İzzet Baysal University, Bolu, Türkiye





#### Volume 10 Number 1 Year 2025

#### **Section Editors**

Dr. Ali Fuat Arıcı, Turkish Education, Yildiz Technical University, İstanbul, Türkiye

Dr. Aydın Balyer, Educational Administration, Yildiz Technical University, İstanbul, Türkiye

Dr. Fulya Yüksel Şahin, Psychological Counseling and Guidance, Yildiz Technical University, İstanbul, Türkiye

Dr. Hasan Ünal, Mathematics Education, Yildiz Technical University, İstanbul, Türkiye

Dr. Mehmet Nur Tuğluk, Pre-school Education, Yildiz Technical University, İstanbul, Türkiye

Dr. M. Sami Topçu, Science Education, Yildiz Technical University, İstanbul, Türkiye

Dr. Mustafa Sağdıç, Social Studies Education, Yildiz Technical University, İstanbul, Türkiye

Dr. Serhat Bahadır Kert, Computer Education and Instructional Technology, Yildiz Technical University, İstanbul, Türkiye

Dr. Sertel Altun, Curriculum and Instruction, Yildiz Technical University, İstanbul, Türkiye

Dr. Burcu Ünal, Foreign Language Education, Yildiz Technical University, İstanbul, Türkiye

Dr. Turan Sağer, Art Education, Yildiz Technical University, İstanbul, Türkiye

#### **Journal Contacts**

Editor-in-Chief: Suzan KAVANOZ, Department of Foreign Languages, Yıldız Technical University, Istanbul, Türkiye

Owner on behalf of Yıldız Technical University: Prof. Dr. Eyüp Debik

Journal Description: The journal is supported by Yildiz Technical University officially, and is a blind peer-reviewed

free open-access journal, published two times a year. **Publisher:** Yildiz Technical University - YTU Press

Language of Publication: English

Frequency: Two issues

Publication Type: Online e-version

Press Date: June 2025





#### Volume 10 Number 1 Year 2025

#### **About Us**

YILDIZ Journal of Educational Research (YJER) is an international, open-access, peer-reviewed academic journal publishing research manuscripts in all fields of education.

YJER has a vision of "quality education for all" in the world. YJER publishes both theoretical as well as empirical and methodological contributions to educational research focusing on current developments in all areas of educational sciences, research methodology, and design. YJER prioritizes studies that can offer different approaches to researchers, policy makers, professionals, and practitioners in the field. The journal welcomes submissions from a variety of disciplinary perspectives across all levels of education including early childhood, primary and secondary school education, adult education, vocational education and training, and university education, and alternative education.

YJER is published biannually by the Faculty of Education at Yıldız Technical University, Istanbul, Turkey. All papers submitted for publication are subject to rigorous blind peer-review.

#### No fees are charged for the publication and submission of the papers.

#### Aim & Scope

YILDIZ Journal of Educational Research publishes two issues (June and December) per year. New and original articles in all areas of Instructional Technology and Technology Education, Arts Education, Curriculum and Instruction, Educational Administration, Educational Science, Elementary Education, Language Teaching, Mathematics Education, Linguistics, Physical Education, Pre-school Education, Psychological Counseling and Guidance, Science Education, Social Studies Education, Special Education, Educational Statistics, and Turkish Education are considered for publication. The journal encourages qualitative, quantitative, and mixed method approaches to empirical research.

YJER accepts manuscripts in Turkish or English. Submission of an article implies that the work described is original, has not been published previously, and is not considered for publication elsewhere.

The manuscripts published in this journal are archived in DergiPark system

#### **Abstracting and Indexing**

YILDIZ Journal of Educational Research is covered by the following abstracting/indexing services:

- · Turkish Education Index
- ASOS Index
- · Modern Language Association (MLA) Index
- Scilit
- EBSCO
- IdealOnline

#### **Instructions for Authors**

The articles to be published in the Journal of Yıldız Educational Research should follow the below guidelines:

- 1. Manuscripts should be original and written, considering the academic and ethical rules. They should not be previously published or should not be under review elsewhere. Authors should consult APA Manual 6th (http://www.apa.org) while writing the manuscript.
- 2. Manuscripts can be submitted in Turkish or English. The title of the article should be short and should not exceed 15 words. The abstract should not be more than 250 words. Furthermore, 3 to 5 keywords should be included.
- 3. The problem of the study should be clearly stated in the Introduction, followed by methods, findings, discussion, and conclusion.
- 4. Articles should not exceed 7000 words.
- 5. Format of the articles should be arranged according to YJER template and the template can be downloaded from the link provided below.





#### Volume 10 Number 1 Year 2025

#### **Ethics & Policies**

#### **Open Access Policy**

#### Yıldız Journal of Educational Research

supports the Budapest Open Access Initiative statement of principles that promotes free access to research literature. The declaration defines open access to academic literature as free availability on the internet, permitting users to read, record, copy, print, search, or link to the full text, examine them for indexing, use them as data for software or other lawful purposes without financial, legal, or technical barriers. Information sharing represents a public good, and is essential to the advancement of science. Therefore, articles published in this journal are available for use by researchers and other readers without permission from the author or the publisher provided that the author and the original source are cited. The articles in Yıldız Journal of Educational Research are accessible through search engines, websites, blogs, and other digital platforms.

Additional details on the Budapest Open Access Initiative and their guidelines are available at <a href="https://www.budapestopenaccessinitiative.org/">https://www.budapestopenaccessinitiative.org/</a>, including a Turkish translation of the recommendations at <a href="https://www.budapestopenaccessinitiative.org/boai-10-translations/turkish-translation">https://www.budapestopenaccessinitiative.org/boai-10-translations/turkish-translation</a>.

#### Fee - Charges

This journal assesses NO submission fees, publication fees (article processing charges), or page charges.

#### **Creative Commons License**

A Creative Commons license is a public copyright license that enables the free distribution of copyrighted work. **Yıldız Journal** • **of Educational Research** articles are licensed under the Attribution-NonCommercial 4.0 International (CC BY-NC 4.0) version. The author grants the right to share and use original work with the condition that it be appropriately credited, it may not be used for commercial purposes, and secondary products must also be made available under the same terms of use. Specific details can be found at <a href="https://creativecommons.org/">https://creativecommons.org/</a> • <a href="https://creativecommons.org/">licenses/bv-nc/4.0/</a>.

**Yıldız Journal of Educational Research** is committed to encouraging dissemination of academic work and interdisciplinary cooperation.

#### **Ethics Policy**

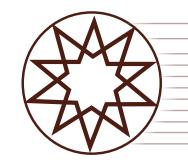
The observance of ethical principles throughout the research and publication process is fundamental to ensuring the integrity of the work and furthering the goal of contributing to and sharing high-quality, objective, reliable, and useful information.

Yildiz Journal of Educational Research has adopted ethical principles based on the guidelines prepared by the Committee on Publication Ethics (COPE) (https://publicationethics.org/). We implement these processes to ensure appropriate support for our authors and their institutions, as well as our readers. It is crucial that all of the stakeholders in the process (authors, readers and researchers, publishers, reviewers, and editors) comply with ethical principles.

#### **Ethical Responsibilities of the Authors**

- Studies submitted for publication must be original work of the author. References to other studies must be cited and/or quoted completely and accurately;
- Only those who provide a substantial intellectual contribution to the content of the work may be cited as an author. Other contributors may be recognized with acknowledgements at the conclusion of the article:
- All competing interests or relationships that may be perceived to constitute a conflict of interest must be declared and explained;
- All studies involving human or animal subjects must comply with national and international laws and guidelines regarding privacy and ethical conduct (e.g., World Medical Association Declaration of Helsinki, US National Institutes of Health Policy on the Use of Laboratory Animals, EU Directive on the Use of Animals) and the details of approval and observance should be indicated in the Materials and Methods section of the manuscript;
- Authors must be able to provide documentation showing that they have the right to use the data analyzed, all necessary permission related to the research, and appropriate consent;
- Raw data and other material used in the article must be available and may be requested from the author(s) in order to verify the validity of the reporting;
- In the event the author(s) notice an error at any point in the publication process or after publication, they have the obligation to inform the journal editor or publisher and cooperate in appropriate corrective action;
- Authors may not submit their article for publication to more than one journal simultaneously. Each application must be initiated following the completion of any previous effort. Previously published articles, will not be accepted, including translations, without the proper acknowledgement of the original author;





#### Volume 10 Number 1 Year 2025

#### **Ethics & Policies**

 Changes in authorship designation (such as adding authors, changing the printed order of the authors, removing an author) once the evaluation process has begun will not be accepted in order to protect all parties involved.

#### **Ethical Duties and Responsibilities of the Editors**

The editor is responsible for everything published in the journal. In the context of this responsibility, editors have the following duties and obligations:

- · Endeavor to meet the needs of readers and authors;
- · Maintain continuous development to improve the journal;
- Consistently work to ensure quality and academic integrity.
   The editor is responsible for confirming that the publishing policies and standards are upheld;
- · Support freedom of thought;
- Prevent business needs or other considerations from compromising intellectual and ethical standards, including acting in a balanced, objective, and fair manner in the course of their duties without any discrimination based on gender, religious or political beliefs, ethnic or geographical origin, sponsorship, renown, or other influence;
- Apply the publicly defined publication policies created and enforced to ensure a timely and impartial evaluation process for all submissions;
- Protect intellectual property and to defend the rights of the journal and author(s);
- Demonstrate clarity and transparency. The editor is expected to ensure that any errors, inconsistencies, or misleading statements are corrected quickly and appropriately acknowledged;
- Perform a thorough, timely, and objective investigation of any
  complaint or allegation of misconduct, including providing
  the opportunity for the author to present information refuting
  accusations, and to share the findings and conclusions and
  implement appropriate action, which may include, but is not
  limited to rejection of an article.

#### Reader Relationship

The editor is to make publication decisions based on expectations of suitable and desirable material. Studies accepted for publication must be original contributions that benefit the reader, researcher, practitioner, and the literature. In addition, editors are obliged to take into account feedback from readers, researchers, and

practitioners, and to provide an informative response. Readers will also be informed of any funding provided to support published research.

#### Author Relationship

- The decision to accept an article is to be based on the importance, original value, validity, and clarity of expression of the work, and the goals and objectives of the journal;
- Studies accepted for evaluation and publication will not be withdrawn unless serious problems are identified;
- The editor will not disregard positive reviewer comments unless there is a serious problem with the study;
- New editors will not change publishing decisions made by previous editor(s) unless there is a serious problem;
- A description of the submission and evaluation process is publicly available;
- Authors are provided with descriptive and informative feedback

#### Reviewer Relationship

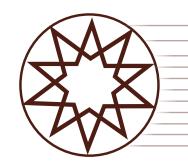
- Reviewers are to be selected according to the subject of the study;
- Information and guidance for the evaluation phase is provided;
- Any conflicts of interest between authors and reviewers will be disclosed and managed appropriately;
- Reviewer identity is to be kept confidential to preserve a blind review process;
- Reviewers are to evaluate the study using unbiased, scientific, and constructive comments. Unkind or unscientific commentary will not be permitted;
- Reviewers will be evaluated using criteria such as timely response and quality of observations;
- The pool of reviewers is to be assessed and supplemented regularly to ensure a broad scope of expertise.

#### Editorial Board Relationship

The editor works with the members of the editorial board to ensure that they are familiar with journal policies and developments in regular meetings and announcements, and will provide training for new members and assistance to board members during their tenure in their role as a supporter of the journal.

Editorial board members must be qualified and able to contribute to the journal;





#### Volume 10 Number 1 Year 2025

#### **Ethics & Policies**

- Members of the editorial board must evaluate studies impartially and independently;
- Editorial board members with the appropriate expertise will be given the opportunity to evaluate suitable articles;
- The editor will maintain regular contact with the editorial board and hold regular meetings regarding the development of editorial policies and other aspects of journal management.

#### Creativity and Openness

- · Constructive criticism is to be encouraged;
- Authors will be given the opportunity to reply to criticism or lodge complaints;
- Negative results will not be a reason for submission denial.

#### **Ethical Responsibilities of the Reviewers**

Peer review of research embodies the scientific method, subjecting the work to the exacting scrutiny of knowledgeable colleagues. The rigor of the review process directly affects the quality of the literature; it provides confidence in an objective and independent evaluation of the published work. Yıldız Journal of Educational Research uses a double-blind review process. All comments and the evaluation are transmitted through the journal management system. Reviewers should:

- Only agree to evaluate studies related to their specialty;
- · Return reviews promptly and within the designated timeframe;
- Evaluate with impartiality. Nationality, gender, religious beliefs, political beliefs, commercial concerns, or other considerations must not influence the evaluation;
- Refuse to review any work with a potential conflict of interest and inform the journal editor;
- Maintain confidentiality of all information. Destroy manuscripts and related material following the review. Only the final published version may be used for any purpose;
- Report any suspicion of misconduct to the editor;
- Use thoughtful and constructive language intended to improve the quality of the article. Hostile or derogatory comments are not acceptable.

#### **Ethical Responsibilities of the Publisher**

The role of the publisher includes stewardship of the scholarly record. As such, the publisher should:

· Abide by ethical principles related to research integrity; the

process of application, review, and selection; and publication;

- Collaborate with the editor and the editorial board to maintain and develop the journal in a relationship that recognizes editorial independence and is defined by written agreement;
- Publish content in a timely manner, including corrections, clarifications, and retractions;
- · Preserve published work.

The publication processes of the journal are conducted in accordance with the guidelines of International Committee of Medical Journal Editors (ICMJE), the World Association of Medical Editors (WAME), the Council of Science Editors (CSE), the Committee of Publication Ethics (COPE), the European Association of Science Editors (EASE) and National Information Standards Organization (NISO).

## Examples of some activities considered to be contrary to scientific research and publication ethics:

- Plagiarism: The representation of the ideas, methods, data, or other work of another, in whole or in part, as one's own.
   The original source must be appropriately acknowledged.
   Authors are encouraged to offer unique work that does not rely on substantial use of other sources, regardless of citation.
- Fraud: The use of fabricated or falsified data or other deceptive misrepresentation of fact.
- Distortion: Manipulation of the research records, data, images, or results, or presenting unused devices or materials as if they were used in the research, particularly in the interests of study sponsors.
- Republication: Duplicate submissions presented as unique publications.
- Slicing: The use of a portion of data or findings derived from a single research idea in multiple smaller units as separate publications.
- Inaccurate authorship: The inclusion of individuals as named authors who were not active contributors, the failure to include contributors, or the inappropriate ranking of authors.
- Lack of acknowledgement of individuals, institutions, or organizations that provided financial or other substantial support to the work.
- Use of a thesis or unpublished study without the permission of the owner.





#### Volume 10 Number 1 Year 2025

#### **Ethics & Policies**

- Failure to comply with ethical rules for human and animal research, including respect for patient rights and animal welfare, or obtaining the required approval.
- The misuse of resources, facilities, or devices provided for scientific research.
- · The use of false or misleading statements.

On rare occasions it may be necessary for a journal to impose sanctions on researchers who have engaged in questionable research practices or publishing ethics malpractice: for example, a ban against publishing any further articles in the journal when doing so puts the journal's reputation demonstrably at risk, or not permitting a researcher to serve as a reviewer or editor. Bans of this nature may be implemented for a period of time and revoked or extended if necessary, upon review at the conclusion of the allotted time period. Sanctions may be appealed by writing to the journal editor.

#### **Plagiarism Policy**

Plagiarism is the theft of another's work and a violation of ethics, regardless of whether it is intentional or not. It is unacceptable conduct to submit or publish manuscripts using other sources without appropriately citing the reference. It is the policy of the Yıldız Journal of Educational Research, to use plagiarism detection software for all submissions and to perform an editorial review when necessary. The editor or the editorial board may request revision or reject a manuscript that does not meet publication standards, including plagiarism, citation or other manipulation, or any fraudulent misrepresentation.

#### **Copyright Transfer**

Manuscripts submitted for publication in the Yıldız Journal of Educational Research should be original, unpublished work. Upon submission, the authors are obliged to declare that the study, in whole or in part, has not been previously published or evaluated for publication on any other platform. Sanctions may be applied for failure to observe this policy.

Authors agree to transfer copyright privileges upon submission to the **Yıldız Journal of Educational Research**. This transfer takes effect upon acceptance for publication. No part of published material may be used for any other purpose without the written permission of the publisher.

Authors should obtain any necessary permission from the copyright holder when using content previously published in printed or electronic format, including pictures, tables, or other elements. The legal, financial, and criminal responsibility resides with the author.

Authors must return a completed copyright transfer form upon submission.

#### **Conflict of Interest**

The editor is required to ensure that any conflicts of interest between authors, reviewers, or other parties are disclosed and managed appropriately to provide an independent and impartial process.

Any potential perception of a financial or personal interest that may affect decision-making creates a conflict of interest. The presence of a conflict of interest is independent of the occurrence of inappropriateness. The reliability of the scientific process and published articles is directly related to the objective consideration of conflicts of interest during the planning, implementation, writing, evaluation, editing, and publication of scientific studies.

Financial relationships are the most easily identified conflicts of interest, and if undisclosed, they undermine the credibility of the journal, the authors, and the science. However, conflicts can also occur through individual relationships, academic competition, intellectual approach, and more. Authors should refrain as much as possible from any relationship that could restrict their ability to objectively access data or analyze, interpret, prepare, and publish their article. Authors must disclose any relationships related to study submissions.

Editors and peer reviewers should also be aware of potential conflicts of interest and refrain from engaging in any activity that could be questionable and report associations that could be perceived as presenting a conflict.

The publication team works diligently to ensure that the evaluation process is conducted in an impartial manner in order to protect the interests of all parties.

The conflict of interest form and more detailed information are available at: <a href="http://www.icmje.org/disclosure-of-interest/">http://www.icmje.org/disclosure-of-interest/</a>





Volume 10 Number 1 Year 2025

### **CONTENTS / İÇİNDEKİLER**

#### ORIGINAL ARTICLES / ORIJINAL MAKALE

Öğretmenlerin İş Doyumu ve Motivasyonlarının Farklı Değişkenler Açısından İncelenmesi	1
Yerli ve Göçmen Ortaokul Öğrencilerinin Hikâye ve Resimlerinde Hayal Edilen Mekânlar Imagined Spaces in the Stories and Drawings of Native and Immigrant Middle School Students M.HAYIR KANAT, K. TARI	14
Velilerin Özel Okul Tercih Nedenleri	27
Ortaokul Altıncı Sınıf Öğrencilerinin Fen Bilimleri Sindirim Sistemi Konusundaki Kavram Yanılgılarının Simülasyonlarla Giderilmesi	40

E. S. MANGIR, G. ÖZKAN