



İSTANBUL UNIVERSITY
CERRAHPAŞA



HAYEF

Journal of Education

Volume 19

Issue 1

January 2022

EISSN 2602-4829



hayefjournal.org

HAYEF: JOURNAL OF EDUCATION
Volume: 18 Issue: 3 September 2021
eISSN: 2602-4829 • DOI: 10.5152/hayef

HAYEF: Journal of Education is the official peer-reviewed, international journal of the İstanbul University-Cerrahpaşa
Hasan Âli Yücel Faculty of Education. Authors bear responsibility for the content of their published articles.

Editor in Chief

Prof. Muhammet Baştuğ, İstanbul University-Cerrahpaşa, İstanbul, Turkey

Editors

Assoc. Prof. Hülya Yıldızlı, İstanbul University-Cerrahpaşa, İstanbul, Turkey

Assoc. Prof. Dr. Nur Ütkür Güllühan, İstanbul University-Cerrahpaşa, İstanbul, Turkey

Editorial Advisory Board

Prof. Abendroth-Timmer, Siegen University, Siegen, Germany

Prof. Ahmet Saban, Necmettin Erbakan University, Konya, Turkey

Prof. Ali Balcı, Ankara University, Ankara, Turkey

Prof. Ali Fuat Arıcı, Yıldız Teknik University, İstanbul, Turkey

Prof. Arif Altun, Hacettepe University, Ankara, Turkey

Prof. Daniela Elsner, Goethe University, Frankfurt, Germany

Prof. Douglas K. Hartman, Michigan State University, Michigan, USA

Prof. Filiz Bilge, Hacettepe University, Ankara, Turkey

Prof. Gölge Seferoğlu, Ortadoğu Teknik University, Ankara, Turkey

Prof. Hayati Akyol, Gazi University, Ankara, Turkey

Prof. İrfan Erdoğan, İstanbul University-Cerrahpaşa, İstanbul, Turkey

Asst. Prof. Jieun Lim, Daegu National University of Education, Daegu, South Korea

Prof. Linda Robertson, Kent State University, Ohio, USA

Prof. Mehmet Ali Akıncı, Université de Rouen Normandie, France

Prof. Mehmet Açıkalmı, İstanbul University-Cerrahpaşa, İstanbul, Turkey

Prof. Mustafa Sözbilir, Atatürk University, Erzurum, Turkey

Prof. Necmettin Sevil, İstanbul University-Cerrahpaşa, İstanbul, Turkey

Prof. Pınar Bayhan, Hacettepe University, Ankara, Turkey

Prof. Selahattin Dilidüzgün, İstanbul University-Cerrahpaşa, İstanbul, Turkey

Prof. Sevinç Hatipoğlu, İstanbul University-Cerrahpaşa, İstanbul, Turkey

Prof. Şener Büyüköztürk, Hasan Kalyoncu University, Gaziantep, Turkey

Prof. Uğur Sak, Anadolu University, Eskişehir, Turkey

Assoc. Prof. Önder Sünbül, Mersin University, Mersin, Turkey

Dr. Maria Inês Ribeiro Basílio de Pinho, School of Education of the Polytechnic Institute of Porto, Portugal

Type of Publication
International Periodical

Publication Language
English

Publishing Period
Triannually (January, May & September)



İSTANBUL UNIVERSITY
C E R R A H P A Ş A

Correspondence

İstanbul Üniversitesi-Cerrahpaşa Hasan Ali Yücel Eğitim Fakültesi
Alkent 2000 Mah. Yiğittürk Cad. No: 5/9/1 Büyükçekmece/İstanbul
Phone: +90 (212) 866 37 00 **Web:** <https://hayefjournal.org/>
E-mail: haydergi@istanbul.edu.tr / hayefjournal@istanbul.edu.tr



Founder
İbrahim KARA

Editor
Hira Gizem FİDAN

Finance Coordinator
Osman YALÇIN

Contact Address:
Address: Büyükdere Caddesi, 105/9
34394 Şişli, İstanbul, Turkey

General Manager
Ali ŞAHİN

Publication Coordinator
Defne DOĞAN

Graphics Department
Ünal ÖZER

Phone: +90 212 217 17 00
E-mail: info@avesyayincilik.com
Web: www.avesyayincilik.com

Publishing Director
Gökhan ÇİMEN

Web Coordinator
Doğan ORUÇ

AIMS and SCOPE

HAYEF: Journal of Education is an international, scientific, open access periodical published in accordance with independent, unbiased, and double-blinded peer-review principles. HAYEF: Journal of Education started its publication life in 2004 as the Journal of Hasan Ali Yücel Education Faculty (HAYEF). As of October 2017 issue, the title has been changed into HAYEF: Journal of Education. The journal is the official publication of İstanbul University-Cerrahpaşa Hasan Ali Yücel Faculty of Education and published triannually in January, May and September. The journal is published bilingually in Turkish and English. Manuscripts submitted to the journal as of September 11, 2020 will be published in accordance with this principle. It's the author's responsibility to ensure that the manuscript will be translated after its acceptance to be published in upcoming issues. Manuscripts in either French or German are also considered for publication in HAYEF: Journal of Education.

HAYEF: Journal of Education (e-ISSN: 2602-4829) is a peer-reviewed and online-only journal published by İstanbul University-Cerrahpaşa Hasan Ali Yücel Faculty of Education.

The journal publishes qualitative and quantitative research articles, especially meta-analysis and meta-synthesis studies, on education and teaching, reviews and theoretical studies related to contemporary literature on education. The primary purpose of HAYEF: Journal of Education is to share the scientific information produced in the field of education on a broad platform. In this respect, the journal aims to bring together researchers, education practitioners, and politicians of education at a common point. The journal focuses on research that will lead to the solution of educational problems, the quality of education in education and the production of new information. Studies conducted with teacher candidates are not accepted in the journal.

The editorial and publication processes of the journal are shaped in accordance with the guidelines of the International Committee of Medical Journal Editors (ICMJE), World Association of Medical Editors (WAME), Council of Science Editors (CSE), Committee on Publication Ethics (COPE), European Association of Science Editors (EASE), and National Information Standards Organization (NISO). The journal conforms with the Principles of Transparency and Best Practice in Scholarly Publishing (doaj.org/bestpractice).

HAYEF: Journal of Education is currently indexed in TUBITAK ULAKBIM TR Index, DOAJ, EBSCO and Proquest.

All expenses of the journal are covered by the İstanbul University-Cerrahpaşa. Processing and publication are free of charge with the journal. No fees are requested from the authors at any point throughout the evaluation and publication process. All manuscripts must be submitted via the online submission system, which is available at hayefjournal.org. The journal guidelines, technical information, and the required forms are available on the journal's web page.

Statements or opinions expressed in the manuscripts published in the journal reflect the views of the author(s) and not the opinions of the İstanbul University-Cerrahpaşa Hasan Ali Yücel Faculty of Education, editors, editorial board, and/or publisher; the editors, editorial board, and publisher disclaim any responsibility or liability for such materials.

HAYEF: Journal of Education is an open access publication and the journal's publication model is based on Budapest Open Access Initiative (BOAI) declaration. Journal's archive is available online, free of charge at hayefjournal.org. HAYEF: Journal of Education's content is licensed under a Creative Commons Attribution-NonCommercial 4.0 International License.

Editor in Chief: Muhammet Baştuğ

Address: İstanbul University-Cerrahpaşa, Hasan Ali Yücel Faculty of Education, İstanbul, Turkey

Tel: +90 (212) 866 37 00 / 43392

Fax: +90 (212) 866 38 21

E-mail: mbastug@istanbul.edu.tr

Publisher: İstanbul University-Cerrahpaşa

Address: Üniversite Mahallesi, Bağlariçi Caddesi No: 7, İstanbul, Turkey

Publishing Service: AVES

Address: Büyükdere Caddesi, 105/9 34394 Şişli, İstanbul, Turkey

Phone: +90 212 217 17 00

E-mail: info@avesyayincilik.com

Web: www.avesyayincilik.com

INFORMATION TO AUTHORS

Context

HAYEF: Journal of Education is an international, scientific, open access periodical published in accordance with independent, unbiased, and double-blinded peer-review principles. The journal is the official online-only publication of İstanbul University-Cerrahpaşa Hasan Ali Yücel Faculty of Education and published triannually in January, May and September. The journal is published bilingually in Turkish and English. Manuscripts submitted to the journal as of September 11, 2020 will be published in accordance with this principle. It's the author's responsibility to ensure that the manuscript will be translated after its acceptance to be published in upcoming issues. Manuscripts in either French or German are also considered for publication in HAYEF: Journal of Education.

HAYEF: Journal of Education aims to contribute to the literature by publishing manuscripts at the highest scientific level in all fields of educational sciences. The journal publishes theoretical and practical original articles and reviews on educational sciences.

Publication Policy

The editorial and publication processes of the journal are shaped in accordance with the guidelines of the Council of Science Editors (CSE), the Committee on Publication Ethics (COPE), the European Association of Science Editors (EASE), and National Information Standards Organization (NISO). The journal conforms to the Principles of Transparency and Best Practice in Scholarly Publishing (doaj.org/bestpractice).

Originality, high scientific quality, and citation potential are the most important criteria for a manuscript to be accepted for publication. Manuscripts submitted for evaluation should not have been previously presented or already published in an electronic or printed medium. The journal should be informed of manuscripts that have been submitted to another journal for evaluation and rejected for publication. When using previously published content, including figures, tables, or any other material in both print and electronic formats, authors must obtain permission from the copyright holder. Legal, financial and criminal liabilities in this regard belong to the author(s).

Peer-Review Policy

Manuscripts submitted to HAYEF: Journal of Education will go through a double-blind peer-review process. Each submission will be reviewed by at least two external, independent peer reviewers who are experts in their fields in order to ensure an unbiased evaluation process. If reviewers do not evaluate the manuscript within a month, Editorial Board may send the article to different reviewers for evaluation. Editorial Board decides whether the manuscript will be published, considering the reviewer comments. The editorial board will invite an external and independent editor to manage the evaluation processes of manuscripts submitted by editors or by the editorial board members of the journal. The Editor in Chief is the final authority in the decision-making process for all submissions.

Ethical Principles

Ethics committee approval and informed consent from volunteers must be obtained for all experimental human studies, the process of which has been started as of 2020. When the participants are children, the written informed consent must be obtained from the parents of the children. Although permission and consent are not required for each research, the Editorial Board has a right to ask the authors details about the ethical process of their research if they think it is necessary. Information on the consent of the participants/volunteers, the name of the ethics committee, and the ethics committee approval number should also be stated in the Methods section of the manuscript.

The authors are expected to submit researches that comply with the general ethical principles which include; scientific integrity, objectivity, collegiality, data integrity, institutional integrity and social responsibility.

All submissions are screened by a similarity detection software (iThenticate by CrossCheck) at any point during the peer-review or production process. Even if you are the author of the phrases or sentences, the text should not have unacceptable similarity with the previously published data.

When you are discussing others' (or your own) previous work, please make sure that you cite the material correctly in every instance.

In the event of alleged or suspected research misconduct, e.g., plagiarism, citation manipulation, and data falsification/fabrication, the Editorial Board will follow and act in accordance with COPE guidelines.

Authorship

Being an author of a scientific article mainly indicates a person who has a significant contribution to the article and shares the responsibility and accountability of that article. To be defined as an author of a scientific article, researchers should fulfil below criteria:

- Making a significant contribution to the work in all or some of the following phases: Research conception or design, acquisition of data, analysis and interpretation.
- Drafting, writing or revising the manuscript
- Agreeing on the final version of the manuscript and the journal which it will be submitted
- Taking responsibility and accountability of the content of the article

Outside the above-mentioned authorship criteria, any other form of specific contribution should be stated in the Acknowledgement section.

If an article is written by more than one person, one of the co-authors should be chosen as the corresponding author for handling all the correspondences regarding the article. Before submission, all authors should agree on the order of the authors and provide their current affiliations and contact details. Corresponding author is responsible for ensuring the correctness of these information.

Conflict of Interest

HAYEF: Journal of Education requires and encourages the authors and the individuals involved in the evaluation process of submitted manuscripts to disclose any existing or potential conflicts of interests, including financial, consultant, and institutional, that might lead to potential bias or a conflict of interest. Any financial grants or other support received for a submitted study from individuals or institutions should be disclosed to the Editorial Board. Cases of a potential conflict of interest of the editors, authors, or reviewers are resolved by the journal's Editorial Board within the scope of COPE guidelines.

The Editorial Board of the journal handles all appeal and complaint cases within the scope of COPE guidelines. In such cases, authors should get in direct contact with the editorial office regarding their appeals and complaints. When needed, an ombudsperson may be assigned to resolve cases that cannot be resolved internally. The Editor in Chief is the final authority in the decision-making process for all appeals and complaints.

Copyright and Licensing

HAYEF: Journal of Education requires a Copyright Agreement and Acknowledgement of Authorship Form which is available at <http://hayefjournal.istanbulc.edu.tr>. By signing the Copyright Agreement and Acknowledgement of Authorship Form, authors retain copyright of their work and agree that the article, if accepted for publication by HAYEF: Journal of Education, will be licensed under a Creative Commons Attribution-Non Commercial 4.0 International License (CC BY-NC). When using previously published content, including figures, tables, or any other material in both print and electronic formats, authors must obtain permission from the copyright holder. Legal, financial and criminal liabilities in this regard belong to the author(s).

Disclaimer

Statements or opinions expressed in the manuscripts published in HAYEF: Journal of Education reflect the views of the author(s) and not the opinions of the editors, the editorial board, or the publisher; the editors, the editorial board, and the publisher disclaim any responsibility or liability for such materials. The final responsibility in regard to the published content rests with the authors.

MANUSCRIPT PREPARATION

Manuscripts can only be submitted through the journal's online manuscript submission and evaluation system, available at <https://mc04.manuscriptcentral.com/hayef>. Manuscripts submitted via any other medium will not be evaluated.

Manuscripts submitted to the journal will first go through a technical evaluation process where the editorial office staff will ensure that the manuscript has been prepared and submitted in accordance with the journal's guidelines. Submissions that do not conform to the journal's guidelines will be returned to the submitting author with technical correction requests.

Authors are required to submit the Copyright Agreement and Acknowledgement of Authorship Form during the initial submission.

The form is available for download at <https://mc04.manuscriptcentral.com/hayef>.

Preparation of the Manuscript

All articles sent to HAYEF: Journal of Education must be written in Times New Roman 10 font size in MS Word compatible program in A4 size. There is no page limit for submissions.

Title page: A separate title page should be submitted with all submissions and this page should include:

- The full title of the manuscript as well as a short title (running head) of no more than 50 characters,
- Name(s), affiliations, and highest academic degree(s) and ORCID ID(s) of the author(s),
- Grant information and detailed information on the other sources of support,
- Name, address, telephone (including the mobile phone number) and fax numbers, and email address of the corresponding author,
- Acknowledgment of the individuals who contributed to the preparation of the manuscript but who do not fulfill the authorship criteria.

Abstract: An abstract should be submitted with all original articles. The abstract should be unstructured and a maximum of 200 words in length.

Keywords: Each submission must be accompanied by a minimum of 3 to a maximum of 5 keywords for subject indexing at the end of the abstract. The keywords should be listed in full without abbreviations.

Manuscript Types

Original Articles: The main text of original articles should be structured with Introduction, Method, Results, Discussion, and Conclusion and Recommendations subheadings.

Review Articles: Reviews prepared by authors who have extensive knowledge on a particular field and whose scientific background has been translated into a high volume of publications with a high citation potential are welcomed. These authors may even be invited by the journal.

Tables

Tables should be included in the main document, and they should be numbered consecutively in the order they are referred to within the main text. A descriptive title must be placed above the tables. Abbreviations used in the tables should be defined below the tables by footnotes (even if they are defined within the main text). Tables should be created using the "insert table" command of the word processing software and they should be arranged clearly to provide easy reading. Data presented in the tables should not be a repetition of the data presented within the main text but should be supporting the main text.

Figures and Figure Legends

Figures, graphics, and photographs should be submitted as separate files (in TIFF or JPEG format) through the submission system. The files should not be embedded in a Word document or the main document. When there are figure subunits, the subunits should not be merged to form a single image. Each subunit should be submitted separately through the submission system. Images should not be labeled (a, b, c, etc.) to indicate figure subunits. Thick and thin arrows, arrowheads, stars, asterisks, and similar marks can be used on the images to support figure legends. Like the rest of the submission, the figures too should be blind. Any information within the images that may indicate an individual or institution should be blinded. The minimum resolution of each submitted figure should be 300 DPI. To prevent delays in the evaluation process, all submitted figures should be clear in resolution and large in size (minimum dimensions: 100 × 100 mm). Figure legends should be listed at the end of the main document.

All acronyms and abbreviations used in the manuscript should be defined at first use, both in the abstract and in the main text. The abbreviation should be provided in parentheses following the definition.

All references, tables, and figures should be referred to within the main text, and they should be numbered consecutively in the order they are referred to within the main text.

P value should not be included in the tables. P values that are presented in the main text should be written in italic.

Title Levels

First

Centered, bold, capital initial letters
The text starts with a new paragraph.

Second

Flush left, bold, initial letters uppercase
The text starts with a new paragraph.

Third

Flush left, bold, italic, initial letters uppercase
The text starts with a new paragraph.

Fourth

Indented, bold, capital initial letters, end with a point
The text begins on the same line with the title and continues as a standard paragraph.

Fifth

Indented, bold, capital initial letters, end with a point
The text begins on the same line with the title and continues as a standard paragraph.

References

While citing publications, preference should be given to the latest, most up-to-date publications. Authors are responsible for the accuracy of references. Both in-text citations and the references must be prepared according to the American Psychological Association (APA) 7th edition.

The reference styles for different types of publications are presented in the following examples.

Author Type	Parenthetical citation	Narrative citation
One author	(Gonzalez, 2019)	Gonzalez (2019)
Two authors	(Gonzalez & Jones, 2019)	Gonzalez and Jones (2019)
Three or more authors	(Gonzalez et al., 2019)	Gonzalez et al. (2019)
Group author with abbreviation: First citation	(American Psychological Association [APA], 2020)	American Psychological Association (APA, 2020)
Subsequent citations	(APA, 2020)	APA (2020)
Group author without abbreviation	(University of California, 2020)	University of California (2020)
No author	("New drug," 1993)	Use an abbreviated version of the title.

Journal Article: Watkins, D. A., Hui, E. K., Luo, W., Regmi, M., Worthington, E. L., Jr., Hook, J. N., & Davis, D. E. (2011). Forgiveness and interpersonal relationships: A Nepalese investigation. *The Journal of Social Psychology, 151*(2), 150-161.

Journal Article with more than one author: Jerrentrup, A., Mueller, T., Glowalla, U., Herder, M., Henrichs, N., Neubauer, A., & Schaefer, J. R. (2018). Teaching medicine with the help of "Dr. House." *PLoS ONE, 13*(3), Article e0193972. <https://doi.org/10.1371/journal.pone.0193972>

Turkish Article: Akin, Ü., Akin, A., ve Abacı, R. (2007). Öz-duyarlık Ölçeği: Geçerlik ve güvenirlik çalışması [Self-Compassion Scale: The Study of Validity and Reliability]. *H. U. Journal of Education, 33*(1), 1-10.

Books

By a Single Author: Kimmel, M. S. (2007). *The gendered society*. Oxford University Press.

By Two or More Authors: DiFonzo, N., & Bordia, P. (2007). *Rumor psychology: Social and organizational approaches*. American Psychological Association.

By a Corporate (Group) Author: American Sociological Association. (1975). *Approaches to the study of social structure*. Free Press.

Edited Book: Rhodewalt, F. (Ed.). (2008). *Personality and social behavior*. Psychology Press.

Book Chapter with Editor(s): McCormack, B., McCance, T., & Maben, J. (2013). Outcome evaluation in the development of person-centred practice. In B. McCormack, K. Manley, & A. Titchen (Eds.), *Practice development in nursing and healthcare* (pp. 190-211). John Wiley & Sons.

Dissertation or Thesis: Valentin, E. R. (2019, Summer). *Narcissism predicted by Snapchat selfie sharing, filter usage, and editing* [Master's thesis, California State University Dominguez Hills]. CSU ScholarWorks. <https://scholarworks.calstate.edu/concern/theses/3197xm925?locale=en>

No Author: *The universal declaration of human rights*. (1974). U.S. Catholic Conference, Division of Latin America.

Web sites: Sparks, Dana. (2018, September 12). Mayo mindfulness: Practicing mindfulness exercises. Mayo Clinic.

In the seventh edition, up to 20 authors should now be included in a reference list entry. For sources with more than 20 authors, after the 19th listed author, any addi-

tional authors' names are replaced with an ellipsis (...) followed by the final listed author's name: Author, A. A., Author, B. B., Author, C. C., Author, D. D., Author, E. E., Author, F. F., Author, G. G., Author, H. H., Author, I. I., Author, J. J., Author, K. K., Author, L. L., Author, M. M., Author, N. N., Author, O. O., Author, P. P., Author, Q. Q., Author, R. R., Author, S. S., . . . Author, Z. Z.

REVISIONS

When submitting a revised version of a paper, changes made according to the reviewers' comments should be highlighted in the revised document. Revised manuscripts must be submitted within 30 days from the date of the decision letter. If the revised version of the manuscript is not submitted within the allocated time, the revision option may be canceled. If the submitting author(s) believe that additional time is required, they should request this extension before the initial 30-day period is over.

Accepted manuscripts are copy-edited for grammar, punctuation, and format by professional language editors. Once the publication process of a manuscript is completed, it is published online on the journal's webpage as an ahead-of-print publication before it is included in its scheduled issue. A PDF proof of the accepted manuscript is sent to the corresponding author and their publication approval is requested within 2 days of their receipt of the proof.

Table of Contents

ARTICLES

Children and School in Anatolia Within the Cycle of Epidemics, War, Famine, and Disasters.....	1
Serkan PADEM	
Developing İstanbul Critical Thinking Scale	9
Burcu AYKAÇ, Ayşe Esra ASLAN	
Team Teaching in Preschool Education: A Case Study.....	18
Vildan KILIÇAY, Şule Erden ÖZCAN	
An Investigation of the Science Curriculum in Terms of the European Qualifications and Turkish Qualifications Framework	30
Adem YILMAZ, Muhammed SALMAN	
Scaling of the Students' Homework Preparation Preferences in Distance Education through Pairwise Comparison Method	44
Esra EMİNOĞLU ÖZMERCAN, Betül POLAT	
Impact of EDpuzzle Use on the Assessment and Measurement Course Achievement	52
Sema SULAK GÜZEY, Eda AKDOĞDU YILDIZ, Mehmet Can DEMİR, Beyza AKSU-DÜNYA	
Review of Financial Literacy Models for Educational Studies	61
Abdullah ÖZKALE, Emel ÖZDEMİR ERDOĞAN	
Acknowledgement of Reviewers	71