

B R A I N

**Broad Research in Artificial Intelligence
and Neuroscience**

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EduSoft

<https://brain.edusoft.ro/>

About the Journal

BRAIN-Broad Research in Artificial Intelligence and Neuroscience aims to create links between researchers from apparently different scientific fields, such as Computer Science and Neurology. In fact, many topics, such as Artificial Intelligence, Cognitive Sciences, and Neurosciences, can intersect in the study of the brain and its intelligence functions.

Our journal contains peer-reviewed articles. These should be original and unpublished works by the authors. The peer review process is conducted anonymously, with reviewers being well-recognised scientists from our scientific board, as well as independent experts.

Some innovative young researchers from around the world had the idea to edit and publish in the BRAIN journal in order to make an agora of an interdisciplinary study of the brain. Young scientists and seniors in artificial intelligence, cognitive sciences, and neurology fields are expected to publish their original works in our journal.

BRAIN Journal is an open-source journal, dedicated to promoting the latest scientific news in the field of multidisciplinary studies of the brain, consciousness, and their connection with artificial intelligence.

BRAIN Journal supports research and novelty in health, medicine, and the life sciences.

Topics

The journal's main topics of interest are related to:

- Medical Sciences: Neuroscience, Neuroimaging, Neuroenhancement, Neurology, Psychiatry, Medical anthropology (topics related to brain), Forensic medicine, Genome sequencing and genomic studies (using computers and/or Artificial Intelligence in genomic studies), Neuropathology, Brain pathology, Medical ethics and bioethics, Neurosurgery, Evolutionary biology, Embryology (topics related to nervous system development), Anatomopathology (topics related to nervous system);
- Psychology: Cognitive psychology, Psychotherapies, Social work with mentally disabled people, Psychopathology;
- Artificial Intelligence: Artificial Intelligence and computing in medicine, Natural language processing, Formal and modal logics, Brain-machine communication, Machine learning, Deep learning programming, Language processing, Robotics (especially using robotics in medicine), Brain simulations, Computer simulations, Virtual reality and enhanced reality;
- Varia: Philosophy of mind and related, Neuroethics, Philosophy of Artificial Intelligence, Ethics of artificial intelligence technologies, Game theory, Decision theory, Transhumanism, Philosophy of language.

Journal History and Website Content

BRAIN journal was edited by EduSoft from its first volume, in 2010, until issue 3 of volume 10 (2019). Based on the contract between EduSoft and Lumen, starting with Issue 4, Volume 10, 2019, and finishing with Issue 2, Volume 15, 2024, the Journal was published by LUMEN Publishing House, on behalf of EduSoft.

The content of the journal until August 2024 is available in mirroring, both on <https://lumenpublishing.com/journals/index.php/brain/> (Lumen Publishing) and <https://www.edusoft.ro/brain/index.php/brain/index> (EduSoft Publishing)

The collaboration between EduSoft and Lumen officially concluded in August 2024. Consequently, starting with Issue 3 of Volume 15 (2024), BRAIN Journal is exclusively edited and published by EduSoft Publishing.

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About this Special Issue

"Neuroscience, Artificial Intelligence, and Innovation in Education"

The April 2025 special issue of *BRAIN. Broad Research in Artificial Intelligence and Neuroscience* explores the dynamic intersection of **neuroscience**, **artificial intelligence (AI)**, and **educational innovation**. Under the theme "*Neuroscience, Artificial Intelligence, and Innovation in Education*", this issue brings together 34 peer-reviewed contributions from a broad range of disciplines, regions, and perspectives.

The articles in this volume reflect the expanding role of AI and cognitive science in reshaping how we understand learning, teaching, and human development. From the **neurophysiological challenges in inclusive preschool education**, to **AI-based pedagogical tools**, **generative AI**, **digital biomarkers**, and **agentic AI in STEM**, the authors illustrate how emerging technologies are not only tools, but **catalysts for reimagining education**.

Topics such as:

- **neuropedagogical strategies** for teacher training,
 - **AI in language learning and critical thinking development**,
 - **the impact of digitalization on educational quality**, and
 - **the ethical and psychological implications of AI in education**,
- demonstrate the multifaceted influence of neuroscience and AI on learners, educators, and institutions.

The issue also features work on **cognitive stimulation in psychiatric contexts**, **AI in medical education**, **digital folk choreography**, and even **AI's role in rethinking criminal responsibility**—showcasing the rich interdisciplinary fabric of today's research landscape.

Through this collection, we highlight not only technological advancement, but also a **commitment to inclusive, ethical, and learner-centered education** in an era of rapid change. Our aim is to provide a resource for researchers, educators, and policymakers who are navigating the profound transformations in how we teach and learn.

We extend our gratitude to all authors and reviewers whose work made this issue possible. We are confident that the ideas and findings shared in this volume will inspire new research directions and practical applications across disciplines.

Guest Editors,

Ilya Levin, Ionuț Virgil Șerban, Oleksandra Halchenko, Alin Ciobica

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Journal Impact Factor TM 2022 - 2.3

Five year - 0.6

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INSTRUCTIONS FOR AUTHORS

Author Guidelines

Authors are invited to submit their manuscripts via email to brain@edusoft.ro or through

online submission by creating an account at <https://brain.edusoft.ro/>. Submissions must be in DOC/DOCX format (Microsoft Word) and written in clear, simple English. Manuscripts should preferably be up to 20 pages, including all figures.

The template for the paper is at this address:

http://brain.edusoft.ro/New_Template_for_BRAIN.doc

Formatting Requirements

- Single-spaced text using a 12-point Times New Roman font.
- Use italics instead of underlining, except for URLs.
- Place illustrations, figures, and tables directly within the text.
- The title should be bold, 14-point, while author names should be italicised, 12-point.
- Captions for figures should be centered below the images, and captions for tables should be at the top left.
- Indent paragraphs and subtitles using a tab.
- Subtitles should be in bold, 12-point font.
- Use Microsoft Word versions 97-2003 or 2010, 2013.
- Authors are encouraged to submit manuscripts in the camera-ready format even for initial submissions.

Review Process

All submissions undergo a thorough review by an editor and selected experts. Authors will receive feedback and ratings within 3-10 weeks of submission. Accepted manuscripts must be revised based on reviewers' comments before final acceptance.

Starting with Issue 3 of Volume 15 (2024) of BRAIN – Broad Research in Artificial Intelligence and Neuroscience, the acceptance rate for submitted articles has decreased to 45%.

Additionally, we are pleased to announce that, on occasion, articles deemed to be of exceptional value and significance will be exempted from the article processing and publication fees.

For any questions regarding the submission, contact Ms. Loredana Ilie Piechowska at office@edusoft.ro.

Submission preparation checklist

Before submitting, ensure compliance with the following:

1. The manuscript has not been published or is not under consideration elsewhere.
2. The file is in Microsoft Word (DOC, DOCX) or RTF format.
3. Include URLs for references where available.
4. The text is single-spaced, uses a 12-point font, and includes images, figures, and tables placed appropriately within the text.
5. Adhere to the formatting and citation guidelines in the Author Guidelines.
6. Follow the instructions to ensure a blind review, if applicable.

Ensuring a Blind Peer Review

For blind review integrity, authors, editors, and reviewers must ensure:

- Author names and identifiable information are removed from the manuscript, using "Author" and year in references.
- Remove author information from file properties in Microsoft Word.
- For PDFs, remove author names from the document properties.

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Preparing and Submitting the Manuscript

Authors should ensure their manuscript is formatted according to the guidelines. For double-blind review, submit a version without author information and a separate title page with the details removed from the manuscript.

Review and Feedback

Manuscripts will be reviewed by experts in the field, who will provide feedback. The author will receive notification within 3-10 weeks, and accepted manuscripts should be revised accordingly.

For any inquiries regarding manuscript preparation or submission, please contact EduSoft via the provided email addresses.