Special Issue

Artificial Intelligence in Digital Humanities

Message from the Guest Editor

This Special Issue focuses on the forthcoming future of artificial intelligence applications in digital humanities, including recent developments ranging from deep and reinforcement learning approaches to recommendation technologies in the extended reality domain. Research areas may include (but are not limited to) the following:

- Advanced, multi-scale, multi-modal and automated digitization;
- Big data approaches in digital humanities;
- From digital to cyber humanities;
- Preventive preservation;
- Climate change and heritage protection;
- Decoding of ancient epigraph marks;
- Deciphering of ancient languages, texts, epigraphs;
- Automatic restoration of lost texts and images;
- Predictive modeling in humanities research;
- Digital resources with open linked data and semantic web capacity;
- Advanced analysis and annotation of artifacts;
- AI approaches in heritage science and physicochemical analysis;
- Authentication, traceability and prevention of illicit trafficking;
- Citizen science, and citizen involvement;
- Extended (virtual, augmented, etc.) reality applications;
- Advanced personalization and recommender technologies;
- Inclusive design.

Guest Editor

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Deadline for manuscript submissions

closed (18 November 2025)

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About the Journal

Message from the Editor-in-Chief

Big Data and Cognitive Computing (BDCC) is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

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