Call for Papers:
Special Issue of AI and Knowledge Engineering Journal on "AI for Bioinformatics in Healthcare"

The *International Journal of AI and Knowledge Engineering (IJAIKE)* is pleased to invite submissions for a Special Issue on **AI for Bioinformatics in Healthcare**, an emerging field that leverages AI-driven programming tools, big data analytics, and biological sciences to revolutionize healthcare research and applications.

Bioinformatics, a dynamic interdisciplinary field, combines elements of computer science and biology to extract meaningful insights from vast and complex biological datasets. By leveraging AI, bioinformatics is unlocking groundbreaking possibilities in disease diagnosis, control strategies, and personalized medicine. One of the most transformative applications is genomic medicine, where AI-driven bioinformatics facilitates the identification of genetic variations associated with diseases, enabling tailored medical interventions for individuals.

Topics of Interest

We invite original research articles, review papers, and case studies addressing the innovative intersection of AI and bioinformatics in healthcare. Topics of interest include, but are not limited to:

- AI-driven methods for analyzing biological data

- Machine learning applications in genomics and DNA sequencing

- Big data analytics for disease diagnosis and prediction

- AI for personalized medicine and targeted therapies

- Computational approaches to drug discovery and development

- Applications of deep learning in biomarker detection

- Novel solutions for Bioinformatics/Life Sciences, and medical challenges

- Ethical considerations in AI-driven bioinformatics research

Papers addressing the ethical, legal, and social implications of AI-driven bioinformatics research in healthcare are also welcome.

The IJAIKE journal is an open-access publication managed by the [Association for the Advancement of Knowledge Solutions (AAKS)](#) in cooperation with the [EurAsia Academic Publishing Group (EAPG).](#)

Submission Guidelines:

➢ Manuscripts should be submitted via the **Clarivate ScholarOne Manuscript Central Submission** portal at https://mc04.manuscriptcentral.com/jaike
➢ All submissions must be original and not under consideration for publication elsewhere.
➢ Papers will undergo a rigorous peer-review process to ensure high-quality contributions.

Important Dates:

• **Submission Deadline**: 15th October 2025
• **Notification of Acceptance**: 30th January, 2026
• **Publication Date**: December 2026

For any inquiries regarding this special issue, please contact the guest editors at:

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We look forward to your contributions and to advancing the frontiers of AI-driven bioinformatics in healthcare.