EDITORIAL

Inaugural Editorial of the *Journal of Mathematics and Interdisciplinary Applications*

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At the frontier of human knowledge, the most exciting breakthroughs no longer occur within the isolated silos of traditional disciplines but emerge from the vast intersections where they converge. Based on this belief, the *Journal of Mathematics and Interdisciplinary Applications* (*JMIA*) was born. We are delighted to introduce this new journal to the global mathematics community and researchers across all fields, aiming to create a dynamic platform dedicated to showcasing and advancing transformative research born from the deep intersection of mathematics and other disciplines.

Mathematics, often regarded as the "universal language" of science, possesses a power that extends far beyond solving its own abstract problems. It is the key to deciphering the mysteries of nature, the framework for building complex models to predict future trends, and the core engine driving innovation in modern technologies from artificial intelligence to bioinformatics. Yet, its true potential is most fully realized in interdisciplinary collaboration—when the rigor of mathematics combines with the insight of physics, the complexity of biology, the strategizing of economics, and the depth of social sciences, miracles happen.

The vision of *JMIA* is to establish a peer-reviewed, open-access online journal dedicated to publishing the most interesting and influential research in mathematics and interdisciplinary sciences. Its mission is to advance both theoretical and applied research by disseminating high-quality scholarly work. The journal publishes rigorous contributions that employ mathematical, computational, and statistical methods to model, analyze, and predict phenomena across a broad range of disciplines. Topics include, but are not limited to, population dynamics, ecosystem modeling, evolutionary processes, physics, engineering, computer science, and economics. *JMIA* aims to foster interdisciplinary dialogue among mathematicians, engineers, scientists, economists, and other researchers from various fields, enabling them to address complex challenges through rigorous quantitative approaches.

It is my great honor to work with an exceptional team of Associate Editors (AEs) who will unselfishly devote their time and expertise to *JMIA*. I will rely heavily on them not only in handling manuscripts and making a sound recommendation on each manuscript, but also in working with me to develop this new journal to best serve the global interdisciplinary research community in mathematics and its applications.

JMIA is committed to open science, with all articles published as open access to ensure

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barrier-free knowledge dissemination. We invite submissions-whether groundbreaking theoretical proofs or empirical case studies that challenge conventional wisdom.

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Conflicts of Interest

The author declares no conflicts of interest.

Ethical Approval and Consent to Participate

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