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Editorial

First Issue of Electrochemical Engineering

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It is my great honour to introduce the inaugural issue of *Electrochemical Engineering*—a world-leading journal dedicated to advancing the field of electrochemical science and technology by publishing high quality, original, with high-impact research that bridges the gap between fundamental electrochemistry and its engineering applications. *Electrochemical engineering* is critically important because it lies at the intersection of electrochemisty, chemistry, physics, materials science, and engineering—and it directly addresses some of the most pressing global challenges, including clean energy, water purification, green manufacturing, and environmental remediation.

The journal aims to foster interdisciplinary collaboration across chemistry, physics, materials science, and process engineering, with a particular focus on the design, optimization, and scale-up of electrochemical systems. Its scope includes but is not limited to energy storage and conversion technologies (such as batteries, supercapacitors, fuel cells, and electrolysers), electrosynthesis of chemicals and fuels, electrochemical water and wastewater treatment, resource recovery, corrosion protection, and the development of novel sensors and diagnostics. In addition to experimental research, the journal strongly encourages submissions involving theoretical modelling, simulation, and data-driven approaches such as machine learning that offer mechanistic insight or design principles. A key objective of *Electrochemical Engineering* is to serve as a forum for work that not only explores new electrochemical phenomena but also provides clear engineering relevance—advancing scalable, efficient, and sustainable solutions to pressing industrial and societal challenges. Through rigorous peer review and a commitment to innovation, the journal aspires to become a central reference point for researchers, engineers, and technologists working at the forefront of electrochemical system development.

Published quarterly online by Scilight Press, *Electrochemical Engineering* aims to serve as a dynamic platform for interdisciplinary contributions across areas such as energy storage and conversion, electrosynthesis, environmental electrochemistry, sensor technology, and scale-up processes. We welcome submissions from a diverse community of researchers whose work bridges theory and application in innovative in the field of electrochemical engineering.

This first issue reflects the significant progress being made in the field and showcases a selection of pioneering studies that highlight both fundamental advances and practical applications. I would like to extend my sincere gratitude to the authors for their excellent contributions, to the reviewers for their valuable insights and commitment to rigorous peer review, and to the administrative staff at Scilight Press for their essential support in bringing this publication to life.

We look forward to building a vibrant and inclusive scholarly community and invite you to join us in shaping the future of electrochemical engineering through your continued contributions.

Conflicts of Interest

The author declares no conflict of interest.