

Editorial

Entrepreneur and Innovation in Science and Engineering

Harith Raad Hassan

Faculty of Engineering and Computer Science, Qaiwan International University, Sulaymaniyah, 46001, Kurdistan Region, Iraq

Correspondence: harith.hassan@uniq.edu.iq

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This inaugural issue marks the beginning of a new academic journey. KJAISE was founded with the vision of creating a platform that supports high-quality research while promoting innovation, interdisciplinary collaboration, and practical impact. Our goal is not only to publish scientific findings but also to encourage research that contributes meaningfully to society by addressing real-world challenges and supporting sustainable development.

We live in an era characterized by rapid technological advancement, unprecedented global connectivity, and increasingly complex societal challenges. From artificial intelligence and renewable energy to healthcare technologies and sustainable engineering solutions, scientific and technological innovations are transforming the way we live, work, and interact. In such a dynamic environment, the role of researchers extends beyond the generation of new knowledge. Today, scholars are increasingly expected to develop solutions that can be translated into practical applications capable of creating economic, social, and environmental value.

This growing emphasis on impact has brought entrepreneurship to the forefront of scientific and engineering research. Entrepreneurship is no longer viewed solely as a business activity; rather, it has become an essential mechanism for transforming innovative ideas into tangible outcomes. It serves as the bridge between scientific discovery and societal benefit, enabling researchers to convert knowledge into products, services, processes, and technologies that improve lives and contribute to economic progress. Recognizing this important relationship, KJAISE seeks to foster a culture in which innovation and entrepreneurship are viewed as natural extensions of scientific inquiry and technological development.

The mission of KJAISE is to publish high-quality, peer-reviewed research that bridges the gap between theory and practice. We aim to provide an inclusive and internationally

recognized platform where researchers, engineers, scientists, innovators, and practitioners can exchange ideas, share discoveries, and contribute to the advancement of knowledge across a broad range of disciplines. The journal welcomes contributions from applied sciences, engineering, technology, entrepreneurship, and interdisciplinary fields that demonstrate scientific rigor, originality, and practical relevance.

At the heart of our mission lies a commitment to academic excellence. We recognize that the credibility and influence of any scholarly journal depend upon the quality of the research it publishes. For this reason, KJAISE is dedicated to maintaining rigorous editorial standards and a transparent peer-review process. Every submitted manuscript will be evaluated fairly and objectively to ensure originality, methodological soundness, ethical compliance, and meaningful contribution to the field. Through these efforts, we seek to build a journal that earns the trust and respect of researchers, institutions, and practitioners worldwide.

The theme of this inaugural editorial, **“Entrepreneurship and Innovation in Science and Engineering,”** reflects the central philosophy upon which the journal is built. Innovation has become one of the defining forces of the twenty-first century. However, innovation does not occur in isolation. It emerges through the interaction of knowledge, creativity, collaboration, and opportunity. Increasingly, successful innovation requires an entrepreneurial mindset—one that embraces curiosity, critical thinking, adaptability, and the willingness to transform ideas into practical solutions. By encouraging the integration of entrepreneurship into scientific and engineering research, KJAISE hopes to support the development of innovations that are technically robust, economically viable, and socially impactful.

We also recognize that many of today's most pressing challenges cannot be solved within the boundaries of a single discipline. Issues such as climate change, sustainable energy, smart cities, healthcare accessibility, digital transformation, and artificial intelligence require collaborative approaches that draw upon expertise from multiple fields. For this reason, interdisciplinary research occupies a central place within the scope of KJAISE. We encourage researchers from diverse

backgrounds to work together, exchange perspectives, and develop integrated solutions to complex global problems.

As we launch this journal, we do so with a strong sense of optimism about the future of scientific research and innovation. Around the world, researchers continue to push the boundaries of knowledge, explore new frontiers, and develop technologies that improve human well-being. At the same time, universities, research institutions, industries, and governments are increasingly recognizing the importance of innovation ecosystems that support collaboration and knowledge transfer. KJAISE seeks to contribute to these efforts by serving as a platform where innovative ideas can be shared, discussed, refined, and disseminated to a global audience.

Issue Zero is more than a collection of articles; it is a statement of purpose and a reflection of our aspirations. It symbolizes the beginning of a scholarly community united by a common commitment to excellence, innovation, integrity, and impact. It establishes the foundation upon which future issues will be built and provides a glimpse into the vision that will guide the journal in the years ahead.

The success of any academic journal depends on the dedication and collective efforts of many individuals. As Editor-in-Chief, I fully recognize that this initiative would not have been possible without the support of authors, reviewers, editorial board members, academic institutions, and colleagues who share our commitment to advancing research and innovation. Their expertise, hard work, and belief in the value of scholarly communication have been instrumental in transforming this vision into reality.

I would like to express my deepest gratitude to everyone who has contributed to the establishment of KJAISE. Their support and encouragement have played a vital role in shaping the journal and laying the groundwork for its future growth. I am particularly grateful to the members of the editorial team and advisory board whose dedication and professionalism have helped ensure that the journal begins its journey with a strong foundation.

As we look toward the future, we warmly invite researchers, academics, professionals, innovators, and industry experts from around the world to contribute to future issues of KJAISE. We welcome original research articles, review papers, technical studies, case reports, and interdisciplinary contributions that advance scientific understanding and promote innovative solutions. By sharing knowledge and collaborating across disciplines and borders, we can collectively address the challenges facing our societies and contribute to a more sustainable and prosperous future.

Our aspiration is for KJAISE to become a respected and influential source of scientific knowledge and innovation-driven research. We envision a journal that not only disseminates academic findings but also inspires new ideas, encourages collaboration, and supports the translation of research into meaningful applications. Through continuous improvement, international engagement, and unwavering

commitment to quality, we hope to establish KJAISE as a trusted platform for researchers and practitioners alike.

In conclusion, the *Karsaz Journal of Applied Innovation in Science & Engineering* is founded on the belief that scientific excellence, technological innovation, and entrepreneurial thinking are essential drivers of progress in the modern world. Through this journal, we aim to support the creation, dissemination, and application of knowledge that contributes to solving global challenges and improving the quality of life for communities around the world.

We invite you to join us on this exciting journey. Together, let us foster innovation, advance scientific discovery, and build a future where research serves as a catalyst for positive change and sustainable development.