EDITORIAL

Inaugural Editorial of Journal of Composites Engineering and Sustainability

Vigneshwaran Shanmugam[1,*]

[1] Department of Mechanical Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Saveetha University, Poonamallee, Chennai 602105, India

Dear Readers,

We are pleased to introduce the *Journal of Composites Engineering and Sustainability* (*JCES*), a publication committed to showcasing research in composite materials with a strong focus on sustainability. As the engineering field moves toward environmentally friendly solutions, *JCES* strives to be a key platform for innovation, academic collaboration, and industrial applications in sustainable composite engineering.

1 Aims and Scope

The *Journal of Composites Engineering and Sustainability* (*JCES*) aims to bridge the gap between academia, industry, and policy by publishing high-quality, peer-reviewed research that advances composite technology and sustainable applications. It covers a broad spectrum of topics, including but not limited to:

1. *Sustainable Composite Materials*: Development of bio-based, recyclable, and biodegradable composite materials.
2. *Advanced Manufacturing Techniques*: Innovations in additive manufacturing, automated fabrication, and hybrid material processing.
3. *Structural Performance and Life Cycle Analysis*: Mechanical characterization, durability studies, and life cycle assessment of composite structures.
4. *Eco-friendly Applications*: The use of composite materials in the automotive, aerospace, construction, marine, and biomedical industries, with an emphasis on sustainability.
5. *Recycling and Circular Economy*: Strategies for composite waste reduction, reusability and closed-loop manufacturing.

2 Vision for the Future

The future of composite materials lies in sustainable innovation, where high-performance materials meet ecological responsibility. *JCES* is committed to advancing research that enhances resource efficiency, reduces environmental impact, and improves material durability. The goal of *JCES* is to create a collaborative space for researchers and industry leaders to exchange ideas, address global challenges, and promote the adoption of sustainable composite technologies.

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***Corresponding author:**
✉ Vigneshwaran Shanmugam
s.vigneshwaren@gmail.com

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3 Call to the Scientific Community

As advancements in composite materials and sustainability continue to shape the future of engineering, *JCES* is committed to driving innovation and fostering collaboration. We hereby invite researchers, engineers, and industry professionals to contribute their most recent findings to *JCES*. Whether it's through fundamental research, experimental breakthroughs, or interdisciplinary studies, we encourage contributions that advance sustainable composite science to its limits.

As we embark on this journey, we would like to extend our heartfelt gratitude to our editorial team, reviewers, and contributors for their shared commitment to excellence in composites engineering and sustainability. We believe that through innovation, collaboration, and responsible scientific advancement, we can create the future of composite materials.

Conflicts of Interest

The author declares no conflict of interest.

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Vigneshwaran Shanmugam is an Assistant Professor in the Department of Mechanical Engineering at Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Chennai, India. He completed his Ph.D. in Mechanical Engineering from Kalasalingam Academy of Research and Education in 2020. He has worked as a Post-Doctoral Researcher at Luleå University of Technology, Sweden and has experience as a Senior and Junior Research Fellow in MoEFCC-sponsored projects under the Government of India. He has been recognized as one of the Top 2% of Scientists globally by Stanford University/Elsevier for three consecutive years (2022, 2023, and 2024). His ongoing research involves sustainable polymeric composites, additive manufacturing, polymer recycling in 3D printing, and natural fibre composites. His academic and research contributions continue to impact the fields of materials science, sustainability, and advanced composite manufacturing.