



Pioneering advanced materials, modelling, and manufacturing

It is with great enthusiasm that we welcome you to the inaugural issue of *Smart Materials & Methods (SMM)*, a new multidisciplinary, rapid-publication journal at the forefront of advanced materials science, engineering, and manufacturing. Our mission is to disseminate groundbreaking research, breakthroughs, new ideas, and innovations that are set to transform the future of smart materials, modelling, and manufacturing.

In an era where the boundaries of advanced materials and technologies are constantly being pushed, the need for a dedicated platform that not only keeps pace with rapid advancements but also fosters multidisciplinary collaboration has never been more pressing. SMM aspires to be that beacon, providing a space for research papers, short communications, and reviews across three diverse themes.

- **Materials and Structures Advancements:** This includes stimuli-responsive materials, architected materials, metamaterials, energy materials, eco-friendly materials, emerging materials, soft materials, wearable technologies, robotics, and biomaterials.
- **Multi-Physics Modeling and Simulation:** SMM is interested in constitutive modelling, numerical methods, mesh reduction methods, artificial intelligence applications, green design, and statistical methodologies. Our goal is to publish work that connects theoretical advancements with practical applications.
- **Manufacturing Innovations:** SMM focuses on the latest in additive manufacturing, novel techniques and processing strategies, sustainable manufacturing, and net-zero manufacturing. Contributions that highlight the integration of additive and subtractive manufacturing processes, process monitoring, and manufacturing for a circular economy are highly welcomed.

As the founding Editor-in-Chief along with our world-leading editorial board, we are dedicated to ensuring a rigorous double-blind peer-review process that upholds the highest standards of quality and integrity. In the fast-paced world of scientific research, quick decision-making and publication times are

essential. Our goal is to rapidly share new knowledge while maintaining a fair and unbiased review process.

The success of SMM relies on the collective efforts of our esteemed board and reviewers, composed of experts with deep knowledge and a strong passion for their focus areas in advanced materials science and manufacturing. We invite academics, researchers, scientists, and engineers from around the globe to contribute to SMM. By sharing your innovative discoveries, insights, and breakthroughs, you will play a crucial role in shaping the future of smart materials, modelling, and manufacturing. To facilitate the dissemination of knowledge, SMM operates under a hybrid model, offering both subscription and open access options.

Together, let us embark on this exciting journey to explore, innovate, and unlock the full potential of smart materials and methods. We look forward to your contributions and to building a vibrant community of scholars dedicated to advancing this dynamic field. Let's materialise the future together.

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