



## Micro/Nanofabrication of Carbon-Based Devices and Their Applications

Guest Editors:

**Dr. Monsur Islam**

IMDEA Materials Institute,  
Technogetafe, 28906 Getafe,  
Madrid, Spain

**Dr. Ankur Gupta**

Indian Institute of Technology  
Jodhpur, Rajasthan, India

**Dr. Kunal Mondal**

Nuclear Energy and Fuel Cycle  
Division, Oak Ridge National  
Laboratory, 1 Bethel Valley Road,  
Oak Ridge, TN 37830, USA

Deadline for manuscript  
submissions:

**20 January 2025**

### Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to compile original research articles, communications, and reviews that showcase the leading technological advancements in carbon micro-/nano-systems and their wide-ranging applications. We welcome both experimental and theoretical studies that shed light on the unprecedented operational demands of various applications. Additionally, we invite contributions that not only highlight the current state of the field but also address the need for further development to achieve superior and novel functionalities across different domains. Through this endeavour, this Special Issue aims to foster a comprehensive understanding of the potential of carbon-based micro-nanotechnology as a compelling alternative to conventional silicon-based MEMS technology. Furthermore, we seek to bring together researchers and experts to contribute to the ongoing evolution of carbon-based devices, shaping the future of micro- and nanofabrication technologies.

