

## Special Issue

# Nanocarbons: Advances and Innovations

### Message from the Guest Editor

Nanocarbon materials represent a diverse family of nanoscale carbon allotropes that have revolutionized materials science. Building upon the foundational discoveries of fullerenes, carbon nanotubes (CNTs), and graphene, pioneered by numerous researchers, the field continues to diversify rapidly. Understanding these new structures demands cutting-edge surface analysis techniques capable of resolving atomic-level details (size, shape, and defects). This is critical because the unique properties of all nanocarbons are intrinsically tied to their precise structure (dimensionality, chirality, doping, etc.). Consequently, achieving structural control during synthesis is paramount for realizing their potential in applications. This Special Issue provides a dedicated platform for researchers investigating diverse nanocarbon allotropes such as nanographene, graphene nanoribbons (GNRs), CNTs, fullerenes, nanodiamonds, and other emerging systems. We welcome submissions of original research articles and critical reviews of theoretical explorations or practical/experimental research in this dynamic field.

### Guest Editor

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### Deadline for manuscript submissions

31 December 2025



## Surfaces

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## About the Journal

### Message from the Editor-in-Chief

Surfaces and interfaces are ubiquitous, and their relevance in Chemistry, Physics, Catalysis, Materials Science & Engineering, Nanoscience, Biology and Nanomedicine is nowadays well acknowledged. Similarly, surfaces cannot be neglected when targeting applications in many strategic fields, such as sensors, energy conversion and storage, environmental and food science, and medical devices.

*Surfaces* is a new Open Access journal that will provide rapid publication of scholarly articles on studies related to surfaces and interfaces. Its mission is to publish cutting edge articles and conference proceedings and organizing special issues to highlight outstanding research on specific topics, encouraging the application of a rigorous Surface Science-based approach to many complex interesting phenomena and breaking boundaries among different disciplines.

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### Editor-in-Chief

Prof. Dr. Gaetano Granozzi

Department of Chemical Science, Università degli Studi di Padova,  
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