# Special Issue

# Electrochemical Study of Nanocarbon Based Materials

## Message from the Guest Editor

Nanocarbon-based materials have attracted great attention due to their unique physical and chemical properties, especially in the field of electrochemical energy conversion/storage applications, but also in electronic devices, electroanalytical, medical, and biological applications. Carbon nanostructures are complicated systems whose electrochemical behavior on the electrode–electrolyte interface is significantly affected by many factors. This Special Issue is focused on the current state of the art in the electrochemistry of nanocarbon-based materials such as graphene, carbon nanotubes, fullerenes, doped diamond, as well as on the fundamental (potentiostatic or galvanostatic methods, impedance spectroscopy) and advanced in situ electrochemical methods (Raman spectroelectrochemistry, electrochemical AFM or TERS) used for characterization in aqueous or aprotic media. Novel preparation methods of carbon materials with well-defined structures having controlled specific capacity, new surface chemistry approaches, as well as possible applications connected with their unique electrochemical performances are also welcome.

## Guest Editor

Dr. Zuzana Vlckova Zivcova

J. Heyrovský Institute of Physical Chemistry, Czech Academy of Sciences, Dolejškova 2155/3, 182 23 Prague, Czech Republic

## Deadline for manuscript submissions

closed (30 April 2023)

Inorganics

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 4.1

mdpi.com/si/104070

*Inorganics*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
inorganics@mdpi.com

mdpi.com/journal/inorganics

# Inorganics

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 4.1

mdpi.com/journal/inorganics

# About the Journal

## Message from the Editor-in-Chief

Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

## Editor-in-Chief

Prof. Dr. Duncan H. Gregory
School of Chemistry, University of Glasgow, University Avenue, Glasgow G12 8QQ, UK

## Author Benefits

**High Visibility:**

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, and other databases.

**Journal Rank:**

JCR - Q2 (Chemistry, Inorganic and Nuclear) / CiteScore - Q2 (Inorganic Chemistry)

**Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).