

Special Issue

Graphitic Carbon Nitride for Environmental Photocatalysis

Message from the Guest Editor

Dear colleagues, Graphitic carbon nitride (g-C₃N₄) has attracted the attention of many researchers from all over the world as a metal-free polymeric semiconducting material. The investigation of photocatalytic properties of g-C₃N₄ is very topical due to its physico-chemical properties. However, photocatalytic applications are limited by a fast recombination of photoinduced electrons and holes. This can be overcome via the doping of g-C₃N₄ structures with metals and non-metals, by coupling with metal and semiconductor nanoparticles forming heterojunction photocatalysts. Nowadays, many research groups deal with these problems in order to develop efficient and environmentally friendly g-C₃N₄-based photocatalysts. It is my great pleasure to invite you to submit a manuscript to this Special Issue concerning the application of g-C₃N₄ and its composites in environmental photocatalysis. Full papers, communications, and reviews are all welcome.

Guest Editor

Prof. Dr. Petr Praus

1. Institute of Environmental Technology, VŠB-Technical, University of Ostrava, 17. listopadu 15, 708 00 Ostrava-Poruba, Czech Republic
2. Department of Chemistry, VŠB-Technical, University of Ostrava, 17. listopadu 15, 708 00 Ostrava-Poruba, Czech Republic

Deadline for manuscript submissions

closed (31 August 2019)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/22340

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

[mdpi.com/journal/
materials](https://mdpi.com/journal/materials)





Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



[mdpi.com/journal/
materials](https://mdpi.com/journal/materials)



About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) /
CiteScore - Q1 (Condensed Matter Physics)