

Special Issue

Carbon Dots/Polymer Composites: Synthesis, Characterization and Applications

Message from the Guest Editor

This Special Issue focuses on the synthesis of composites of CDs with various natural and synthetic polymers, their characterization, and their applications. Concerning the multifunctional nature of CDs, this Special Issue will be an interdisciplinary volume comprising fundamental aspects of CDs/polymer composites preparation, properties, and their widespread applications. Review articles with deep understanding and analysis are also welcome. In particular, the topics of interest include but are not limited to

- Carbon dots composites with natural polymers such as chitosan, cellulose, plant gums, etc.
- Carbon dots composites with synthetic polymers such as PVA, PLA, PVP, etc.
- Study of binding interactions between CDs and polymers.
- CDs/polymer composites for smart packaging applications.
- Applications such as solid-state optical devices, sensors, fluorescent inks, and coatings.

Guest Editor

Dr. Rajkumar Bandi

Institute of Forest Science, Kangwon National University, Chuncheon 24341, Republic of Korea

Deadline for manuscript submissions

closed (31 December 2023)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/79823

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

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





Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



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



About the Journal

Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New Ceramics and Fine Processing, School of Materials Science & Engineering, Tsinghua University, Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam Mickiewicz University in Poznań, ul. Wszechnicy Piastowskiej 3, 61-614 Poznań, Poland

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), Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Surfaces, Coatings and Films)