

CATECHOL BASED NANO AND MICROSTRUCTURES

GUEST EDITORS

Radosław Mrówczyński, Department of Chemistry, Adam Mickiewicz University, Poznań, Poland
Centre for Advanced Technologies, Adam Mickiewicz University, Poznań, Poland
Email: Radoslaw.mrowczynski@amu.edu.pl

Daniel Ruiz-Molina, Catalan Institute of Nanoscience and Nanotechnology (ICN2),
CSIC and The Barcelona Institute of Science and Technology (BIST), Barcelona, Spain
Email: dani.ruiz@icn2.cat

Vincent Ball, Faculté de Chirurgie Dentaire, Université de Strasbourg, France;
Institut National de la Santé et de la Recherche Médicale, Unité Mixte de Recherche,
Strasbourg, France
Email: vball@unistra.fr

DESCRIPTION

The 2nd Symposium on Polydopamine is a unique conference dedicated to the latest developments in the rapidly growing field of materials chemistry, biomaterials and polymers and their applications in medicine, catalysis and energy generation/storage. The flagship catechol material that has found application in the aforementioned areas is polydopamine. Hence it is also in the name of the conference. However, the group of catechol materials grows more and more each year. Therefore, the Symposium is a response to the expectations of the scientific community working in catechol chemistry on the creation of a place for the exchange of ideas and experience in this topic. The conference will bring together distinguished plenary lecturers - specialists in the subject from Europe (Poland, Spain, Germany, Portugal, France), China, the USA and South Korea, who have unquestionable scientific achievements.

This special issue will be related to the 2nd Symposium on polydopamine. A unique international conference that gathers high-top researchers from Europa and Asia in the field of catechol-based materials. The issue will collect high-quality papers related to the application of materials on nano/microscale based on polydopamine and related catechol according to the topic listed in the next paragraph. We believe we can collect 8-10 papers that will be submitted by the most prominent scientists from the field of catechol chemistry, engineering, and their biomedical application. Thus, the special issue will draw the attention of readers across different disciplines.

The Nanotechnology Reviews is a perfect forum to disseminate results from researchers participating in the symposium since it is a top journal in nanotechnology and perfectly aligned with the quality of research presented during conferences. Moreover, the journal's scope fits the conference's scope as well. We believe that cooperation will bring benefits to the conference, as well as will promote the Nanotechnology Reviews allowing its further growth.

Topics include, but are not limited to: application of catechol-based nano/micromaterials in

- ▶ Nano/microstructures synthesis
- ▶ Nanomedicine
- ▶ Biomedical Science
- ▶ Engineering
- ▶ Biomedical engineering
- ▶ Environmental sciences
- ▶ Biotechnology
- ▶ Energy
- ▶ 2D and 3D structures synthesis and characterization
- ▶ Modification at nanoscale
- ▶ Coatings
- ▶ Chemistry of catechol related materials

PUBLICATION SCHEDULE / HOW TO SUBMIT

Open for submissions: 1st September 2023

Paper submission deadline: 31th December 2023

When entering your submission please choose the option type of an article: “**Catechol based nano and microstructures**” Submissions for the special issue are now open. In case of any technical problems, please contact the Managing Editor of Nanotechnology Reviews: **Juliusz Skoryna, Ph.D.**, Juliusz.Skoryna@degruyter.com