



Electrochemical Synthesis of Nanostructured Semiconductors

Guest Editor:

Prof. Dr. Leszek Zaraska

Faculty of Chemistry,
Jagiellonian University, Krakow,
Poland

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submissions:

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Message from the Guest Editor

Dear Colleagues,

Nanostructured semiconductors have been extensively investigated for years owing to their promising properties compared to their bulk counterparts. Among various methods, Electrochemical methods are especially attractive due to their simplicity, cost-effectiveness, and versatility. Moreover, it is also possible to tailor the morphology, composition, and properties of electrochemically deposited semiconducting materials by the careful adjustment of the process parameters, especially the potential/current conditions, temperature, duration of the process, as well as composition, viscosity, pH of the electrolyte, and many others.

Both regular research papers are welcomes. The topics are not limited to:

- The development of new electrochemical methods that can be employed for the formation of nanostructured semiconductors;
- The modification and functionalization of electrochemically synthesized nanostructured semiconductors;
- Detailed characterization of electrochemically formed nanostructured semiconductors;
- Applications of nanostructured semiconductors in various fields, including photoelectrochemistry, photocatalysis, photovoltaics, and others.





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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

Message from the Editor-in-Chief

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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