



## Porous Materials for Photocatalysis

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**closed (30 September 2024)**

### Message from the Guest Editors

Dear Colleagues,

The aims of this Special Issue are to explore photocatalytic processes across domains like energy generation, pollutant reduction, plastic degradation, water splitting, and VOC elimination; focus on wastewater pollutant breakdown for valuable organic product creation, advanced CO<sub>2</sub> conversion, and NO<sub>x</sub>/SO<sub>2</sub> removal through photocatalysis; develop advanced materials with defect engineering (anions, cations, surfaces, and interfaces) in compounds like oxides, sulfides, composites, and carbon nitrides; and tailor catalysts by tuning parameters of nanomaterials like crystallite dimensions, surface area, pore structure, and volume. With your expertise in surface science, photochemistry, and materials engineering for green energy and environmental breakthroughs, we would appreciate it if you would join our Special Issue by contributing your insights, research, and impactful results.

Dr. Gazi A. K. M. Rafiqul Bari

Dr. Md. Mahbubur Rahman

*Guest Editors*





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## Editor-in-Chief

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## Message from the Editor-in-Chief

Surfaces and interfaces are ubiquitous, and their relevance in Chemistry, Physics, Catalysis, Materials Science & Engineering, Nanoscience, Biology and Nanomedicine is nowadays well acknowledged. Similarly, surfaces cannot be neglected when targeting applications in many strategic fields, such as sensors, energy conversion and storage, environmental and food science, and medical devices.

*Surfaces* is a new Open Access journal that will provide rapid publication of scholarly articles on studies related to surfaces and interfaces. Its mission is to publish cutting edge articles and conference proceedings and organizing special issues to highlight outstanding research on specific topics, encouraging the application of a rigorous Surface Science-based approach to many complex interesting phenomena and breaking boundaries among different disciplines.

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