



## Preface

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### Abstract

In this special issue, the evaluation of photocatalytic and Fenton-like processes in laboratory and scale reactors is reported, providing insights on the treatment of different contaminants.

Nanomaterials such as Bi<sub>2</sub>O<sub>3</sub>/BiOCl, ZnO, copper slag, dioxo-Mo(VI) complex anchored on the TiO<sub>2</sub> surface, and immobilized TiO<sub>2</sub>:Ni on glass substrate, among others, were used for the evaluation of photocatalytic and Fenton-like processes in laboratory and scale reactors. Several research topics were studied, such as visible-light, LED irradiation and solar degradation of dyes and caffeine, removal of drugs through photo-assisted and Fenton-like processes in scale reactors, as well as the study of photocatalytic hydrogen production.

In short, synergistic studies connecting the fundamental knowledge on applications of photocatalytic materials in wastewater treatment are reported.

On this occasion, the 7th Latin-American Congress of Photocatalysis, Photochemistry and Photobiology - LACP<sup>3</sup> 2021 meeting was held in virtual mode due to the COVID pandemic situation that has inevitably impacted scientific research. The 15 research papers contained in this special issue were rigorously peer-reviewed meeting the Topics in

Catalysis standards, being selected from 50 invited research manuscripts. All contributions present current and novel research in photocatalysis and photocatalytic treatment using reactor effluents.

The 7th edition was positively organized by the Institute of Engineering of the National Autonomous University of Mexico, to which we are grateful. We thank all the authors and reviewers who participated in the process of obtaining this special issue. We appreciate the opportunity provided by Professor Hans-Joachim Freund, Editor-in-Chief of Topics in Catalysis. The same goes to the editorial staff Matthew Smyllie, Cansu Kaya and Gursimaran Kaur, for their help and assistance.

We hope that the special issue achieved will be of interest to the audience of Topics in Catalysis and that our Latin American congress series will contribute to increasing collaborations worldwide. The next meeting (8th LACP3-2023) will take place in Ottawa, Canada next year.

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