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## Catalytic Transformations for Green and Sustainable Chemistry

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Deadline for manuscript submissions:

**closed (30 June 2020)**

### Message from the Guest Editors

Dear Colleagues,

We invite the scientific community to submit contributions in the form of original research articles and review articles on solid catalysts and their applications in biomass transformation. We are particularly interested in articles describing:

1. Bioethanol production from biomass
2. Furfural transformation
3. Levulinic acid transformation
4. HMF transformation
5. Olefin production from biomass-derived molecules
6. Synthesis of organic carbonates
7. Deactivation studies using in situ and ex situ spectroscopic techniques
8. Mechanistic studies of biomass-derived oxygenates
9. Computational modeling and simulation of biomass-derived processes
10. Transfer hydrogenation processes of biomass-derived molecules
11. Lignin valorisation
12. Hydrogen from catalytic reforming of biomass-derived molecules

Dr. Tommaso Tabanelli  
Prof. Nikolaos Dimitratos  
*Guest Editors*



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# Special Issue



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## Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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