

## Special Issue

# Advances in the Design and Characterization of Heterogeneous Biocatalysts

### Message from the Guest Editors

Heterogeneous biocatalysts are of great relevance in the development of modern (bio)chemical manufacturing processes. Enzyme immobilization has a long-standing tradition, with many successful examples found at both academic and industrial level. The body of knowledge is well-established and there is a broad repertoire of methodologies for immobilization, involving different chemistries and carrier materials. This Special Issue aims at hosting original contributions dealing with advances in the design, application, and characterization of immobilized biocatalysts. The main topics are:

- Immobilized new enzymes and biocascades of high synthetic relevance;
- New techniques of immobilization dealing with enzyme activity or stability;
- New materials for enzyme immobilization;
- Immobilized enzymes in new reactor concepts: e.g. flow microreactors, intensifying reactions and reactors...
- Advances in the characterization of immobilized enzymes.

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### Guest Editors

Dr. Juan M. Bolivar  
Dr. Alexander Dennig  
Dr. Javier Rocha-Martin

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### Deadline for manuscript submissions

closed (30 June 2020)



## Catalysts

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#### Editor-in-Chief

Prof. Dr. Keith Hohn  
Carl R. Ice College of Engineering, Kansas State University, Manhattan,  
KS, USA

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