catalysts

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Catalyst Deactivation and Regeneration

Guest Editors:

Dr. Pedro Castano

Prof. Dr. Joris W. Thybaut

Dr. Ludovic Pinard

Prof. Dr. Javier Ereña

Deadline for manuscript submissions:
closed (31 December 2019)

Message from the Guest Editors

Dear Colleagues,

The recent developments in areas orbiting around chemical engineering, such as material science, spectroscopy and computer science, are thrusting a new era of environmentally friendly processes and products with much better intensification capabilities. At the core, heterogeneous catalysts still play a leading role in those processes, but as more active materials are being used, their intrinsic stability and reusability cannot be overruled. Indeed, the "catalyst deactivation and regeneration" are of the uttermost importance for attaining an economically viable, yet sustainable chemical industry.

The special issue aims to renovate the interest in the field by bringing together researchers working in centered and transversal areas. The new techniques, catalysts and processes augur a new frontier for "catalyst deactivation and regeneration" that we hope to tackle in this special issue.

The Guest Editors welcome any potential work to be submitted for consideration.

- Deactivation
- Regeneration
- Rejuvenation
- Coke fouling
- Catalyst degradation
- Sintering
- Poisoning
- Modelling

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Special Issue