# Special Issue

# Catalyst Deactivation and Regeneration

### Message from the Guest Editors

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 welcome any potential work to be submitted for consideration.

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

### 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)


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# About the Journal

## Message from the Editor-in-Chief

## Editor-in-Chief

Prof. Dr. Keith Hohn
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JCR - Q2 (Chemistry, Physical) / CiteScore - Q1 (General Environmental Science )

**Rapid Publication:**

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.9 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the second half of 2025).