

## Special Issue

# Process Intensification via Rotating Packed Bed (Higee)

### Message from the Guest Editors

High gravity refers to the force exerted on material in an environment, which has much larger acceleration than the Earth's gravitational acceleration ( $9.8 \text{ m/s}^2$ ). On Earth, a high gravity environment is usually achieved by the centrifugal force generated by rotation. High gravity devices mainly include the rotating packed bed, rotating disk, rotating baffled bed, and so on. At present, high gravity technology has been successfully applied to gas absorption, dust removal, water deoxidation, wastewater treatment, biological fermentation, nanomaterial preparation, desulfurization alkali regeneration, devolatilization, catalyst synthesis, organic synthesis, distillation, electrochemical reaction, polymerization, etc., exhibiting remarkable strengthening effects. High gravity technology has drawn more and more attention, and its application field has been gradually expanded.

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### Guest Editors

Prof. Dr. Guangwen Chu

Prof. Dr. Baochang Sun

Prof. Dr. Yong Luo

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### Deadline for manuscript submissions

closed (30 December 2021)



## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
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