



Process Intensification via Rotating Packed Bed (Higee)

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Deadline for manuscript submissions:

closed (30 December 2021)

Message from the Guest Editors

Dear Colleagues,

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 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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Message from the Editor-in-Chief

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