# **Special Issue**

## Thermodynamic Analysis and Process Intensification

## Message from the Guest Editor

Process intensification focuses on considerable improvements, in tens to hundreds of percent, in the manufacturing sector through the modification of existing operations or new designs that are precise efficient, economical, and safer, Process intensification (PI) enables the manufacturing sector to remain competitive and can be achieved by focusing on molecular levels of reaction kinetics, thermodynamics, and heat and mass transfer. Thermodynamic analysis suggests process improvements toward better matching the design parameters with the operating conditions that lead to less irreversible processes with less entropy production, hence less dissipated energy. Besides, the analysis of information flow between interacting parts of a process may help increase compatibility and reduce the overall irreversibility toward improving the overall efficiency.

## Guest Editor

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#### Deadline for manuscript submissions

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## Message from the Editor-in-Chief

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