Special Issue

Flow and Heat or Mass Transfer in the Chemical Process Industry

Message from the Guest Editors

Flow through process equipment in a chemical or manufacturing plant (*e.g.,* heat exchangers, reactors, catalyst regeneration units, separation units, pumps, pipes, smoke stacks, etc.) is usually coupled with heat and/or mass transfer. Rigorous investigation of this coupling of momentum, heat, and mass transfer is not only important for the practice of designing process equipment, but is also important for improving our overall theoretical understanding of transfer phenomena. The goal of this special issue is to be a forum for recent developments in theory, state-of-the-art experiments and computations on the interactions between flow and transfer in single and multi-phase flow, and from small scales to large scales, which can be important for the design of equipment in a chemical processing plant.

Guest Editors

Prof. Dr. Dimitrios V. Papavassiliou

School of Chemical, Biological, and Materials Engineering, The University of Oklahoma, Norman, OK 73019, USA

Dr. Quoc T. Nguyen

School of Chemical, Biologicl, and Materials Engineering, The University of Oklahoma, Norman, OK 73019, USA

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Fluids
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fluids@mdpi.com

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Editor-in-Chief

Prof. Dr. D. Andrew S. Rees
Department of Mechanical Engineering, University of Bath, Bath BA2 7AY, UK

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