

Preface

Research on mass and thermal transport in engineering materials continues to be a rapidly expanding major area of materials science and engineering. It is an exciting area. It is clear that gaining an in-depth understanding of mass and thermal transport underpins the major breakthroughs needed in the development of new materials for new technologies and the improvement of existing materials in service. This topical volume, which is entitled “Recent Progress on Mass Transport Related Processes in Engineering Materials”, was designed to capture a very wide and significant cross section of contemporary international research on mass and thermal transport. It ranges from basic strategic research through to quite applied areas. This volume spans, for example, the modelling of multiphase fluid flow in porous media for enhanced oil recovery to heat transfer in fixed bed reactors, from the modelling of the drying process in an industrial tunnel dryer to grain structures and electrical properties of indium oxide thin films. We thank the authors for their participation in this volume and the reviewers for their time and efforts.

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