

1. Record Nr.	UNINA9910460321703321
Titolo	Heat and mass transfer processes : new developments and applications : special topic volume with invited peer reviewed papers only // edited by J. M. P. Q. Delgado
Pubbl/distr/stampa	Pfaffikon, Switzerland : , : TTP, , 2015 ©2015
ISBN	3-03826-758-9
Descrizione fisica	1 online resource (188 p.)
Collana	Diffusion Foundations, , 2296-3642 ; ; Volume 3
Disciplina	621.4022
Soggetti	Heat - Transmission Heat exchangers - Fluid dynamics Heat exchangers Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Heat and Mass Transfer Processes: New Developments and Applications; Preface; Table of Contents; Chapter I; Simulating Heat and Mass Transfer in Drying Process: Applications in Grains; Chapter II; Determination of Radial Dispersion Coefficient in Beds of Sand from Measurements of the Rate of Dissolution of Buried Cylinders Aligned with the Flow; Chapter III; Flow Past a Sphere Buried in a Porous Media: Concentration Boundary Layer Thickness; Chapter IV; Modelling the Pore Level Heat Transfer in Porous Media Using the Immersed Boundary Method; Chapter V Moisture Diffusion in Unsaturated Polyester Composites Reinforced with Macambira Natural Fiber: A Finite-Volume Approach Chapter VI; Determination of Hydraulic Permeability Based on the Measurements of Outflow; Chapter VII; Drying Kinetics Evaluation of Solid Red Bricks; Chapter VIII; Hygrothermal Performance and Degradation of Gypsum Houses in Different Brazilian Climates; Chapter IX; Key Mechanisms behind Pedestrian Dynamics: Individual and Collective Patterns of Motion; Chapter X; Simulation of Precipitates Evolution in Steels with V and Nb at Annealing; Chapter XI

Sommario/riassunto

The purpose of this Volume is to provide a collection of recent contributions in the field of heat and mass transfer in porous media. It includes a set of new developments in the field of basic and applied research work on the physical and chemical aspects of heat and mass transfer phenomena in a porous medium domain, as well as related material properties and their measurements. This volume contents include both theoretical and experimental developments, providing a self-contained major reference that is appealing to both the scientists and the engineers. The topics that will be presented in t
