

# **Emerging Topics In Heat And Mass Transfer In Porous Media**

[DOWNLOAD HERE](#)

Preface- Chapter 1: Wang, L.Q., Xu, M., Wei, X. - Dual-Phase-Lagging and Porous-Medium Heat Conduction Processes- Chapter 2: Haji-Sheikh, A. & Minkowycz, W.J. - Heat Transfer Analysis under Local Thermal Non-Equilibrium Conditions - Chapter 3: Nield, D. A. - Generalized Heterogeneity Effects on the Onset of Convection in a Porous Medium.- Chapter 4: Rees, D.A.S., Selim, A., Ennis-King, J.P. - The Instability of Unsteady Boundary Layers in Porous Media.- Chapter 5: Vadasz, P. Analytical Transition to Weak Turbulence and Chaotic Natural Convection in Porous Media.- Chapter 6: Govender, S. - Natural Convection in Gravity-Modulated Porous Media - Chapter 7: Pedramrazi, Y., Charrier-Mojtabi, M.C., Mojtabi, A. Thermal Vibrational Convection in a Porous Medium Saturated by a Pure or Binary Fluid.- Chapter 8: Kuznetsov, A.V. New Developments in Bioconvection in Porous Media: Bioconvection Plumes, Bio-Thermal Convection, and Effects of Vertical Vibration.- Chapter 9: Kanafer, K., Vafai, K.- Macromolecular Transport in Arterial Walls: Current and Future Directions.- Chapter 10: Khanafer, K., AlAmiri, A., Pop, I., Bull, J.L.- Flow and Heat Transfer in Biological Tissues: Application of Porous Media Theory.Chapter 11: Krishnan, S., Murthy, J.Y., Garimella, S.V. - Metal Foams as Passive Thermal Control Systems.- Chapter 12: Vadasz, P. - Nano-fluid Suspensions and Bi-Composite Media as Derivatives of Interface Heat Transfer Modelling in Porous Media.- Subject Index EAN/ISBN : 9781402081781  
Publisher(s): Springer Netherlands Format: ePUB/PDF Author(s): Vadasz, Peter

[DOWNLOAD HERE](#)

Similar manuals: