

# Table of Contents

## Preface

<b>Effect of Aligned Magnetic Field on MHD Squeezing Flow of Casson Fluid between Parallel Plates</b> M.S. Kumar, N. Sandeep, B.R. Kumar and S. Saleem	1
<b>Mixed Convection Heat Transfer of Shear-Thinning Fluids around Confined Square Cylinder at Low Reynolds Number</b> H. Laidoudi	12
<b>Effect of Suction/Injection on the Entropy Generation of Third Grade Fluid with Convective Cooling</b> A.A. Opanuga, J.A. Gbadeyan, O. Agboola and H.I. Okagbue	21
<b>Unsteady MHD Slip Flow with Radiative Heat and Mass Transfer over an Inclined Plate Embedded in a Porous Medium</b> V. Malapati and O.D. Makinde	31
<b>Combined Natural Convection and Thermal Radiation Heat Transfer in a Triangular Enclosure with an Inner Rectangular Body</b> A.I. Amrani, N. Dihmani, S. Amraoui and A. Mezrhab	49
<b>MHD Nanofluid Flow Past a Rotating Disk with Thermal Radiation in the Presence of Aluminum and Titanium Alloy Nanoparticles</b> O.D. Makinde, B. Mahanthesh, B.J. Gireesha, N.S. Shashikumar, R.L. Monaledi and M.S. Tshehla	69
<b>Chemical Reaction and Melting Heat Effects on MHD Free Convective Radiative Fluid Flow Past a Continuous Moving Plate in the Presence of Thermo-Physical Parameters</b> D.J. Samuel	80
<b>Numerical Method of Weakly Compressible Poiseuille Flow Using Lattice Boltzmann Method</b> S. Ouajdi, F. Moufekkik, A. Mezrhab and J.P. Fontaine	99
<b>Analytical Modeling of a Descending Aorta Containing Human Blood Flow</b> M. Abdessamad, M. Hasnaoui and M. Agouzoul	117
<b>Effective Diffusion Coefficient</b> J.A. Gordillo	130