

[International Journal of Engineering Research in Africa Vol. 20](#)

This periodical edition includes peer-reviewed papers based on results of scientific research and engineering solutions in different areas of modern engineering science. Special chapter is devoted to
Modeling of Heat and Mass Transfer in Different Fluid F

1. Auflage 2016. Buch. 262 S. Hardcover
ISBN 978 3 03835 886 2

[Weitere Fachgebiete > Technik > Maschinenbau Allgemein](#)

schnell und portofrei erhältlich bei

**beck-shop.de**
DIE FACHBUCHHANDLUNG

Die Online-Fachbuchhandlung beck-shop.de ist spezialisiert auf Fachbücher, insbesondere Recht, Steuern und Wirtschaft. Im Sortiment finden Sie alle Medien (Bücher, Zeitschriften, CDs, eBooks, etc.) aller Verlage. Ergänzt wird das Programm durch Services wie Neuerscheinungsdienst oder Zusammenstellungen von Büchern zu Sonderpreisen. Der Shop führt mehr als 8 Millionen Produkte.

Table of Contents

Chapter 1: Technologies in Mechanical Engineering

Modelling and Analysis of Wear Prediction in Machining of Nano Based GFRP Composites Using RSM A.S. Solairajan, S. Alexraj, P.V. Rajan and G. Jose	3
Optimization of Cutting Conditions Using Regression and Genetic Algorithm in End Milling O.M. Koura and A.S. El-Akkad	12
Parametric Optimization of Some Non-Conventional Machining Processes Using MOORA Method A. Khan and K. Maity	19
Comparative Study of Characterization of the Ultrafine and Nanoparticle Emissions on Modified Indian Driving Cycle for Passenger Cars Operating on Diesel and CNG – Phase Wise Analysis H.A. Nakhawa and S.S. Thipse	41
Experimental Validation of Fresh Water Production Using Triangular Pyramid Solar Still with PCM Storage R. Sathyamurthy, P.K. Nagarajan and D. Vijayakumar	51

Special Chapter 2: Modeling of Heat and Mass Transfer in Different Fluid Flows

Thermo Diffusion and Hall Current Effects on an Unsteady Flow of a Nanofluid under the Influence of Inclined Magnetic Field J.V. Ramana Reddy, V. Sugunamma and N. Sandeep	61
Magnetohydrodynamic Convective Double Diffusive Laminar Boundary Layer Flow Past an Accelerated Vertical Plate P.C. Reddy, M.C. Raju and G.S.S. Raju	80
Stagnation-Point Flow of a Jeffrey Nanofluid over a Stretching Surface with Induced Magnetic Field and Chemical Reaction N. Sandeep, C. Sulochana and A. Isaac Lare	93
Non-Uniform Heat Source or Sink Effect on the Flow of 3D Casson Fluid in the Presence of Soret and Thermal Radiation C. Sulochana, S.S. Payad and N. Sandeep	112
Effect of Nonlinear Thermal Radiation on MHD Flow between Rotating Plates with Homogeneous-Heterogeneous Reactions J.V. Ramana Reddy, V. Sugunamma and N. Sandeep	130
Heat and Mass Transfer in MHD Mixed Convection Flow on a Moving Inclined Porous Plate C. Veeresh, S.V.K. Varma, B.R. Kumar and A.G. Vijaya Kumar	144
Dual Solutions for Unsteady Heat and Mass Transfer in Bio-Convection Flow towards a Rotating Cone/Plate in a Rotating Fluid C.S.K. Raju and N. Sandeep	161
Numerical Prediction of the Fire Spread in Vegetative Fuels Using NISTWFDS Model H. Miloua	177

Chapter 3: Data and Signal Processing and Information Technologies

Performance Analysis of Wavelet Packet Transform Based De-Noising Receiver for Visible Light Communication by Using Single Source M.P. Prabakaran, A. Sivasubramanian, A. Jawahar and K. Chitra	195
---	-----

Determining the Quality of Compression in High Resolution Satellite Images Using Different Compression Methods S. Sanjith and R. Ganesan	202
Using Social Media as a Marketing Tool in Tertiary Institutions: A Case Study of Data Link University, Ghana N. Ghansah, B. Ghansah, B. Ben-Bright and E. Ocquaye	218

Chapter 4: Supply Chain Engineering

Integration of the Extended Gateway Concept in Supply Chain Disruptions Management in East Africa-Conceptual Paper G.W. Werikhe and Z.H. Jin	235
A Proposed Supply Chain Model for Productivity Enhancement in Medium Scale Foundry Industries S. Nallusamy, A.M. Muhammad Umarmukdhar and R. Suganthini Rekha	248