Advances in Engineering Sciences and Applied Mathematics



Special Issue: Computational Fluid Mechanics (INCAM 2019)
Guest Editors: Arvind Pattamatta · B.S.V. Prasad Patnaik



International Journal of Advances in Engineering Sciences and Applied Mathematics

Volume 11, Number 4, December 2019

Special Issue: Computational Fluid Mechanics (INCAM 2019)

Guest Editors: Arvind Pattamatta · B.S.V. Prasad Patnaik

CONTENTS

A. Pattamatta and B.S.V. Prasad Patnaik	237
Dynamic stretching of a liquid bridge P. Agarwal, R.M. Murdande, A.S. Kandaswamy and M.S. Bobji	238
Comparison of fractional flow reserve value of patient-specific left anterior descending artery using 1D and 3D CFD analysis S. Saha, T. Purushotham and K.A. Prakash	244
Reynolds number effects in rib-roughened turbulent channel flow K. Jagadeesan and V.D. Narasimhamurthy	254
Unsteady targeted particle delivery in three-dimensional tortuous cerebral artery P.K. Pandey and M.K. Das	263
Numerical study on pressure drop and filtration efficiency of gas-solid flow through axial cyclone separators B. Gopalakrishnan and K. Arul Prakash	280
DNS of plane Couette flow with surface roughness S.K. Javanappa and V.D. Narasimhamurthy	288