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<p>(51) International classification :A61F0013534000, A47L0013120000, H04L0041142000, H03H0009560000, A61M0005142000</p> <p>(86) International Application No Filing Date :PCT// / :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number Filing Date :NA :NA</p> <p>(62) Divisional to Application Number Filing Date :NA :NA</p>	<p>(71)Name of Applicant : 1)Dr.K.VENUGOPAL REDDY Address of Applicant :Mathematics Department, Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda ----- 2)Malla Reddy Engineering College Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr.K.VENUGOPAL REDDY Address of Applicant :Mathematics Department, Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda ----- 2)Dr.G.RAMI REDDY Address of Applicant :Mathematics Department, Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda ----- 3)NAGUR MEERAI AH P Address of Applicant :A.M.REDDY MEMORIAL COLLEGE OF ENGINEERING AND TECHNOLOGY, NARASARAO PET NARASARAO PET ----- 4)Dr. Devalla Manjula Address of Applicant :Mother Theresa Institute of Engineering and Technology , Palamaner. Palamaner ----- 5)Dr. Ch. Shashi kumar Address of Applicant :Mathematics Dept., VNR Vignana Jyothi Institute of Engineering & Technology, Pragathinagar(V), Nizampet (M),Hyderabad-500090. Nizampet ----- 6)Dr. Ch. Vijaya Bhaskar Address of Applicant :Mathematics Dept., Anurag University, Venkatapur(V), Ghatkesar (M),Mechal-Malkajgiri-501301 Ghatkesar ---- 7)Dr. G Bal Reddy Address of Applicant :Department of Mathematics & Humanities, Mahatma Gandhi Institute of Technology, Hyderabad,Gandipet-500075. Gandipet ----- 8)Mr. Mantha Srikanth Address of Applicant :Mathematics Department, Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda ----- 9)Dr. Kakarla Ramakrishna Reddy Address of Applicant :Mathematics Department, Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----</p>
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(57) Abstract :
The present work are made to analyze an influence of rotation and heat transfer on MHD peristaltic and electro-osmotic flow of a Jeffrey fluid in an asymmetric micro-channel with partial slip effect. Mathematical modeling is imported by employing the creeping flow approximation. The exact solution has been simplified for the stream function, velocity, and temperature distribution. The effects of diverse egress parameters on the gush virtue are exhibited and discussed with the help of graphs. The shear stress, trapping phenomenon has been investigated. Comparisons current results with existing literature and return good agreement. The characterization of results has been resolved for the flow governing ingrained appropriate parameters by employing the table.

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