Profile Page

Name : Dr D Giribabu

Designation : Assistant Professor Grade-i

Department : Chemical Engineering

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Research Interests :

Hyper elasticity, Complex fluid rheology, Biofluid Mechanics (flow over initially/residually stressed solids), Flow past poroelastic surfaces, Interfacial flows, Flow through deformable surfaces

Other Profile Links :

Google Scholar Link :

Dr D Giribabu Click Here

Journal Publications :

Year	Journal	Publication
2021	Drying Technology	Raj Kumar Arya, D. Giribabu, Jyoti Sharma, Manju Rawat, Avinash Chandra & Sanghamitra Barman,"Effect of surfactant on drying and rheology of poly (vinyl alcohol) – water coatings"
2021	International Journal of Engineering Science, 169, 103572	S Mukherjee, D Giribabu, "Stability of plane Couette flow past an initially stressed solid"
2017	Physics of Fluids, 29, 074106	D. Giribabu and V. Shankar, Stability of plane Couette flow of a power-law fluid past a neo-Hookean solid at arbitrary Reynolds number
2017	Journal of Fluid Mechanics, 827, 31-66	Ramkarn Patne, D. Giribabu and V. Shankar, Consistent formulations for stability of fluid flow through deformable tubes and channels
2016	Physical Review Fluids 1, 033602	D. Giribabu and V. Shankar, Consistent formulation of solid dissipative effects in stability analysis of flow past a deformable solid
2014	Physical Review E, 90, 043004 (2014)	R. Neelamegam, D. Giribabu and V. Shankar, Instability of viscous flow over a deformable two-layered gel:Experiments and theory Experiments and theory

PG Dissertation Guided :

Student Name	Dissertation Title	Status	Year	Co-Supervisor
Amitendra Singh	Analysis of various concentration of dibutyltin dilaurate (DBTL) in polyurethane paint for reducing the cycle time of paint application	Graduated	2020	Dr. J. K. Ratan

Abhishek Sharma	Rheological Characterization of Sodium Carboxymethyl Cellulose Solutions	Graduated	2019	Dr. Ajay Bansal