

# GIAN

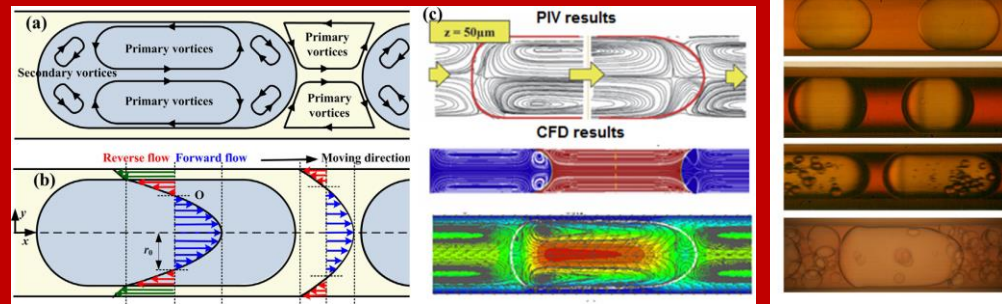


## Global Initiative on Academic Network

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### *Two-Phase Flows In Micro And Milli Channels: Theoretical Background, Experimental And Numerical Proofs Of Hydrodynamics, Heat And Mass Transfer*

Indian Institute of Technology Indore,  
Dept. of Mechanical Engineering



**Prof. Rufat Abiev** is a Full Professor of St. Petersburg State Institute of Technology (Technical University) and a Head of Department of Optimization of Chemical and Biotechnological Equipment (since 2008), Head of the Lab of Process Intensification at Silicate Chemistry Institute of the Russian Academy of Science. Dr. Abiev has written more than 350 publications, 6 books, 5 chapters in a "New Handbook of chemist and technologist" (in Russian), 4 chapters in books (2 of them are issued in Germany and USA), more than 100 papers in peer-reviewed journals and more than 90 patents. His research interests are: Process Intensification, Microreactors, Process Simulation, Multiphase Flows, Heat and Mass Transfer intensification. He had received many international research grants: 2014 (DAAD) at Institut für Mikroverfahrenstechnik (KIT), 2006 (DAAD) at TU Dresden, 1998 at Swiss Academy of Technical Science. He has been working as invited Professor in France – Ecole des Mines d’Ales (2016) and Laboratoire de Génie Chimique de Toulouse of INP de Toulouse (2017). Dr. Abiev is a member of Working Party on Mixing and a guest member of Working Party on Process Intensification, European Federation of Chemical Engineering.

**Dr. Ritunesh Kumar** is an Associate Professor in the Department of Mechanical Engineering, Indian Institute of Technology Indore. He received his PhD from Indian Institute of Technology, Delhi in the area of Refrigeration and Air-Conditioning. Prior to joining IIT Indore he had worked with Tata Consulting Engineers Limited, Vikhroli, Mumbai. His research interest include heat transfer at micro-scale, desiccant cooling systems and biofuels.