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283. International Conference on Photonics, Metamaterials & Plasmonics (PMP 2019), Capillary Guiding and Sub-Micron Structuring using Ion Beams from Microwave Plasmas in a Multicusp, Sudeep Bhattacharjee, February 14-16, 2019, PL-04, Jaypee Institute of Information Technology, Noida, India. (Invited – plenary)

284. International Conference on Photonics, Metamaterials & Plasmonics (PMP 2019), Simulation of Magnetostatic Lens for Plasma Based Focused Ion Beams, Sushanta Barman, Sanjeev Kumar Maurya, and Sudeep Bhattacharjee, February 14-16, 2019, PT-21, Jaypee Institute of Information Technology, Noida, India.

285. International Conference on Photonics, Metamaterials & Plasmonics (PMP 2019), Diffusion of Particles Confined in a Dipole Magnetic Field, Ayesha Nanda, Sargam, Anuj Ram Baitha, Shail Pandey and Sudeep Bhattacharjee, February 14-16, 2019, PT-22, Jaypee Institute of Information Technology, Noida, India.

286. 22nd National Conference on Atomic and Molecular Physics (NCAMP-2019), Ion Beams from Plasmas Driven by Electromagnetic Waves : Physics and Applications, Sudeep Bhattacharjee, March 25 - 28, 2019, PT-04, Indian Institute of Technology-Kanpur, Kanpur, India. (Invited – plenary lecture)

287. 22nd National Conference on Atomic and Molecular Physics (NCAMP-2019), Particle Balance in a Plasma Confined in a Dipole Magnetic Field, Anuj Ram Baitha, Sargam, Ayesha Nanda and Sudeep Bhattacharjee, March 25 - 28, 2019, OP-06, Indian Institute of Technology-Kanpur, Kanpur, India.

288. 22nd National Conference on Atomic and Molecular Physics (NCAMP-2019), Tuning Optical Properties of Metallic Thin Film Mirrors by Low Energy Inert Gaseous Ion Beams, Krishn Pal Singh, Jayashree Majumdar and Sudeep Bhattacharjee, March 25 - 28, 2019, P-09, Indian Institute of Technology-Kanpur, Kanpur, India.

289. 22nd National Conference on Atomic and Molecular Physics (NCAMP-2019), Effect of Strong Magnetic Field on Optical Emissions from Atmospheric Pressure Micro Plasmas, Kalyani Barman, Deepika, Mohit Mudgal, Sudeep Bhattacharjee, Ramkrishna Rane and Sudhir K Nema, March 25 - 28, 2019, P-49, Indian Institute of Technology-Kanpur, Kanpur, India.

290. The Conference on Nonlinear Systems and Dynamics, Description of nature: A single law or many laws?, Mahendra K. Verma, (2018), School of Computational and Integrative Sciences, Jawaharlal Nehru University, New Delhi, India (Invited talk)

291. Third Russian Conference on Magnetohydrodynamics, Energy Transfers in Magnetohydrodynamics: Perspectives From DNS and Shell Model, Mahendra K. Verma, (2018), Page 149, Institute of Continuous Media Mechanics of the Ural Branch RAS, Perm, Russia.

292. International Conference on Rayleigh-Bénard Turbulence, Phenomenology of Turbulent Thermal Convection, Mahendra K. Verma, (2018), Page No. 78, Enschede, The Netherlands. (Keynote talk)

293. Third Russian Conference on Magnetohydrodynamics, Magnetic Energy And Helicity Mode-To-Mode Transfers in a Dynamo Action, Rodion Stepanov, Valeri Titov, Franck Plunian, and Mahendra K. Verma, (2018), Page 138, Institute of Continuous Media Mechanics of the Ural Branch RAS, Perm, Russia. (presentation by Stepanov)

294. International Conference on Rayleigh-Bénard Turbulence, Scaling and Distribution of Viscous Dissipation In Turbulent Rayleigh-Benard Convection, Shashwat Bhattacharya, Ambrish Pandey, Abhishek Kumar, and Mahendra K. Verma, (2018), Page No. 79, Enschede, The Netherlands.

295. APS March Meeting, Tunable nonlinearity in a Graphene-Silicon Nitride hybrid resonator, Rajan Singh, Arnab Sarkar, Chitres Guria, Ryan Nicholl, Sagar Chakraborty, Kirill Bolotin, Saikat Ghosh, Bulletin of the American Physical Society, Location: Boston, USA

296. Conference Name, Conference Title, Author(s) (Style: First, Middle, Last Name) (For Example: Akhil R Sharma), Year, Volume, Page numbers, Location

297. An Optically Transparent Microwave Broadband Absorber using Resistive Sheet H Sheokand, G Singh, S Ghosh, M Saikia, KV Srivastava, J Ramkumar, S. A. Ramakrishna, 2018 Twenty Fourth National Conference on Communications (NCC), 1-4

298. Antecedents of Brand Sensitivity in B2B Market: Conceptual Framework with Research Propositions, P. Sharma, R. N. Sengupta and K. Sivalumar, ISBM Academic Conference, Sloan School of Management at MIT, Cambridge, Massachusetts, 8 th – 9 th August 2018

299. Brand Orientation as Antecedent to Brand Value: Construct Redefinition and Conceptual Model, P. Sharma, S. S. Mishra and R. N. Sengupta, Academy of Marketing Science Annual Conference, New Orleans, LA, USA, 23 rd – 25 th May 2018

300. Singh K., Singh A., and Prakash P., “Review of infrastructure and expected returns” in the proceeding of the 3rd International Conference on Financial Markets and Corporate Finance (ICFMCF), from August 12 and 14, 2018 at Indian Institute of Technology Kanpur, Uttar Pradesh, India.

301. Singh K., Singh A., and Prakash P., “Estimating the Cost of Capital for Indian Infrastructure Sector” presented in the 1st Doctoral Colloquium from 7-8 April 2018 at Indian Institute of Technology Kanpur, Uttar Pradesh, India.

302. Theories of Dividend Policy: Evidence on Indian Firms", Vikas Sangwan, Puneet Prakash, Anoop Singh, 3rd International Conference on Financial Markets and Corporate Finance-2018 (ICFMCF 2018), IIT Kanpur, 12-14 July, 2018.

303. "Life cycle theory of dividends: Evidence on Indian firms", Vikas Sangwan, Puneet Prakash, Anoop Singh, India Finance Conference-2018, IIM Calcutta, 20-22 Dec,2018

304. Devlina Chatterji “Consumer Behavior in Life Insurance: Theory of Planned Behavior”, International Conference of Financial Markets and Corporate Finance, ICFMCF 2018, Manohar Giri, Devlina Chatterjee, 2018, IIT Kanpur

305. “Factors Affecting Choice of Insurance Policy”, International Conference of Financial Markets and Corporate Finance, ICFMCF 2018, Manohar Giri, Devlina Chatterjee, 2018, IIT Kanpur

306. Vipin, B., & Amit, R. K. Wholesale Price versus Buyback: A Comparison of Contracts in a Supply Chain with Behavioral Agents, _XXII Society of Operations Management Conference_, IIM Kozhikode, December 20-22, 2018.

307. Tsegaye, A., & Shukla, A. (2019). Consumer Attitude toward Domestic Products. Paper presented at the 10th International Conference on Excellence in Research and Education (CERE) held at IIM, Indore, India from April 03-05.

308. Vinayak Drave and RRK Sharma, “Relating Flexibility, Scalability and Security Issues In Internet of Things (IoT) To Strategy of the Firm”; 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018. (accepted, to appear);

309. Vinayak Drave and RRK Sharma; ‘Technology Management for Different Types of Retail Formats: A Prospectus of IoT’; 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018. (accepted, to appear);

310. Vinayak Drave and RRK Sharma, “Internet of Things for Different Types of Retail Formats”; 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018. (accepted, to appear);

311. RRK Sharma and Ajay Jha, “A New formulation of Capacitated Plant Location Problem”; 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018. (accepted, to appear);

312. RRK Sharma, “Relating strategy types to analytics used’; 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018. (accepted, to appear).

313. RRK Sharma, “RELATING INNOVATION STRATEGY TYPES TO CULTURE”, 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018. (accepted, to appear).

314. Anjali Sharma and RRK Sharma, “Effect of personality on Consumer Switching: Moderating role of Involvement and Value of Product”, 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018. (accepted, to appear).

315. Anjali Sharma and RRK Sharma; “Culture and Consumer Brand switching: Moderating role of Consumer Involvement and Service Value”; 8th International Conference in Industrial Engineering and Operations Management, Bandung, Indonesia, March 6-8, 2018; pp. 683-680.

316. RRK Sharma and Kamini Singh, ‘SMART GRID: A MANAGERIAL PERSPECTIVE’, 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018. (accepted, to appear).

317. RRK Sharma and Vinayak Drave, “Integrating Different Views of Personality Dimensions”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. (accepted, to appear).

318. RRK Sharma and Somen Dey, “TECHNOLOGY TRANSFER (TT): FOR MODULAR AND ARCHITECTURAL INNOVATION”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. (accepted, to appear).

319. RRK Sharma and Vinayak Drave, “Relating Supply Chain Attributes to its Strategy”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. (accepted, to appear).

320. RRK Sharma, A Rahman and Vinayak Drave, “Relating Dimensions of Virtual Teams to Dimensions of BiG Five Factor of Personality”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. (accepted, to appear).

321. RRK Sharma, Vinayak Drave and A. Rahman, “ENTERPRISE SOCIAL MEDIA (ESM): AN INTEGRATED VIEW”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. (accepted, to appear).

322. RRK Sharma and Priyank Sinha, “Personality of Investors and Traders”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018, (accepted, to appear).

323. RRK Sharma, NK Tripathi, “Relating Analytics to Strategy, Culture and Personalities involved in Decision Making”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. (accepted, to appear).

324. RRK Sharma and Somen Dey, “Managing Tacit and Explicit Knowledge”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. (accepted, to appear).

325. RRK Sharma, “AN ATTEMPT TO RESOLVE ENTITY AND INCREMENTAL THEORY OF CONSUMER BEHAVIOR”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. (accepted, to appear).

326. RRK Sharma, “A New Formulation for Machine Loading Problem In FMS (Flexible Manufacturing System)”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. (accepted, to appear).

327. Sheela R Sharma, RRK Sharma and Ajay Jha; Comparing Products and (Medical) Services On Few Organizational Variables: A Theoretical Framework; IEOM 019 Bangkok, Mar 5-7, 2019 (accepted, to appear).

328. Sheela R Sharma, RRK Sharma and Ajay Jha; Management Control Systems (MCS) in Hospitals; IEOM 2019 Bangkok, Mar 5-7, 2019 (accepted, to appear).

329. Sheela R Sharma, Ajay Jha and RRK Sharma; ERP FOR SERVICE SECTOR AND MEDICAL SERVICE; IEOM 2019 Bangkok, Mar 5-7, 2019 (accepted, to appear).

330. Sheela R Sharma, Ajay Jha and RRK Sharma; MULTI AGENT SYSTEM FOR HOSPITALS; IEOM 2019 Bangkok, Mar 5-7, 2019 (accepted, to appear).

331. RRK Sharma, Ajay Jha and Urvashi Sharma, “Adding valid inequalities to SPLP”, 2019 IEOM conference, Bangkok (Accepted, to appear)”.

332. RRK Sharma, Ajay Jha and Himanshu R, “Adding valid inequalities to CPLP”, 2019 IEOM conference, Bangkok (Accepted, to appear)”.

Awards and Recognitions

01) Prof. RRK Sharma, Faculty Research Awards, given by career 360 degrees: For being among 10 top most knowledge producers in India in 2017-18.

02) Invited by Ministry of HRD Government of INDIA as expert in NIRF (National Institutional Ranking Framework) Survey 2019.

03) Invited by QS World University Ranking, to take part in global survey of world wide universities, 2019.

Conference/ Invited Talk

1. Debasis Kundu, Plenary Speaker at the Indian Society of Probability and Statistics Annual conference held at Coimbatore, India during January 3-5, 2018.

2. Debasis Kundu, P.V. Sukhatme endowed lecture at the annual meeting of the Indian Society of Probability and Statistics held at M.D. University, Rohtak on December 27-30, 2018.

3. Key Note Speaker at the RAMSA-2019 conference held at the Jiyajee Institute of Information Technology, Noida during January 17-19, 2019.

4. Debasis Kundu, Bivariate distributions with singular component", One of the main speakers at Statquest held at the University of Kolkata, March 14, 2018.

5. Debasis Kundu, Normal distribution: its use and it extensions", One of the main speakers at the National One Day Conference on the Applications of Mathematics in Biotechnology, held at the Ramanada College, Bishnupur, West Bengal, March 28, 2018.

6. Debasis Kundu, Random numbers; how to generate and their uses", One of the main speakers at the short term training programme on Mathematical Modelling and Statistical Techniques organized by The department of Mathematics, SLIET, Longowal, Punjub form 30th July - 3rd Aug., 2018.

7. Debasis Kundu, “Reliability: a need of the day", One of the main speakers at the short term training programme on Mathematical Modelling and Statistical Techniques organized by The department of Mathematics, SLIET, Longowal, Punjub form 30th July - 3rd Aug., 2018.

8. Debasis Kundu, “Statistical Signal Processing", One of the main speakers at the short term training programme on Mathematical Modelling and Statistical Techniques organized by The department of Mathematics, SLIET, Longowal, Punjub form 30th Jul- 3rd Aug., 2018.

9. Rhythm Grover, Debasis Kundu, Amit Mitra International Conference on Computing, Power and Communication Technologies, “Chirp-like model and its parameters estimation”, Rhythm Grover, International Conference on Computing, Power and Communication Technologies (GUCON), 2018, 1095-1100, IEEE, 2018/9/28.

10. Amit Mitra, Second National Seminar on Recent Trends in Statistical Sciences, “Order estimation of nonlinear signal processing models”, Department of Statistics, University of Kerala, Trivandrum in conjunction with 40th Annual Conference of Kerala Statistical Association, Mar. 7 - 9, 2019.

11. Amit Mitra, Invited lecture “Challenges in statistical signal processing”, Department of Statistics, Manipal Academy of Higher Education, Karnataka, Feb. 21, 2019.

12. Sharmishtha Mitra, Invited lecture in the Department of Statistics, Manipal Academy of Higher Education, Karnataka, Feb. 21 - 22, 2019.

13. Sharmishtha Mitra, Invited lecture in the Second National Seminar on Recent Trends in Statistical Sciences organized by the Department of Statistics, University of Kerala, Trivandrum in conjunction with 40th Annual Conference of Kerala Statistical Association, Mar. 7 - 9, 2019

14. Sachin Subhash Sharma, Interactions of Quantum Affine algebras with Cluster Algebras, Current Algebras and Categorification, June 2, 2018 - June 8, 2018, Catholic University of America, Washington D.C.

Book Chapter

1. Heat shock-induced transcriptional and translational arrest in mammalian cells (Chapter in "Heat Shock Proteins and Stress") Goenka A, Parihar R, and **Ganesh S*** (Ed. Asea AAA, and Kaur P), (2018) Vol 15, Springer (pp 267-280).

2. "Application of Nanoscale Materials for Regenerative Engineering of Musculoskeletal Tissues." In the book entitled Regenerative Engineering. Arijit Bhattacharjee, Garima Lohiya, Aman Mahajan,

M. Sriram and **Dhirendra S. Katti.** CRC Press; edited by Yusuf Khan and Cato T. Laurencin., 2018 (ISBN 9781498738248): 107-130.

3. Mary B, Khan N, Arumugam S, Saxena H, Kumar M, Manimaran P, Chattopadhyay S, **Jayandharan GR.** Adeno-associated Virus Vectors in Gene Therapy. In: Jayandharan G. (eds) Gene and Cell Therapy: Biology and Applications. 2018, Springer, Singapore.

4. Mahato M, **Jayandharan GR,** Vemula PK. Viral- and Non-viral-Based Hybrid Vectors for Gene Therapy. In: Jayandharan G. (eds) Gene and Cell Therapy: Biology and Applications. 2018, Springer, Singapore.

5. Nanomaterials for Green Energy, G. Sathiyan, J. Prakash, R. Ranjan, A. Singh, A. Garg and R. K. Gupta, "Recent progress on hole-transporting materials for perovskite-sensitized solar cells", Elsevier, 2018, 279-324.

6. Stimuli-responsive dewetting/wetting smart surfaces and interfaces, J. Prakash, N. Singh, R. Mittal and R. K. Gupta, "Stimuli-responsive smart surfaces for oil/water separation applications", Springer, 2018, 207-237.

7. REVIEWS IN COMPUTATIONAL CHEMISTRY, **The Role of Computations in Catalysis**.HoriaMetiu, Vishal Agarwal, Henrik H. Kristoffersen. John Wiley & Sons Inc.,Abby L. Parrill, Kenny B. Lipkowitz, 2018,9781119518020, 171-198.

8. Nanomaterials for Green Energy, 1st Ed, Recent Progress on Hole-Transporting Materials for Perovskite-Sensitized Solar Cells Govindasamy Sathiyan, G.; Jai Prakash; Rahul Ranjan; Anand Singh; Ashish Garg; Raju K. Gupta, Elsevier, Bhanvase, B. A.; Pawade, V. B. Eds.; 9780128137314, 2018.

9. Encyclopedia of Interfacial Chemistry: Surface Science and Electrochemistry, Chapter name: Exploring the Organic–Inorganic Interface With a Scanning Tunneling Microscope. J. Kröger, N. Néel, R. Berndt, Y. F. Wang, T. G. Gopakumar, Publisher: Elsevier, Editor: K. Wandelt, 2018, 2, 81–98.

10. Study of Environmental Particle Levels, Its Effects on Lung Deposition andRelationship With Human Behaviour. In Goel A., Izhar S. Gupta T., Agarwal A., Agarwal R. and Labhsetwar N. (eds) *EnvironmentalContaminants. Energy, Environment, and Sustainability. Springer,*

Singapore. (2018), (PP 77-92), (ISBN978-981-10-7332-8), DOI: https://doi.org/10.1007/978-981-10-7332-8_4.

11. Modelling linear viscoelastic behaviour of kanpur local soil using Prony series, parameter fitting. Swain A. and Ghosh P. In *New Prospects in Geotechnical Engineering Aspects of Civil Infrastructures*. Khabbaz H., Youn H., Bouassida M. (eds), Springer, Cham, 2019, pp: 114-126, (ISBN 978-3-319-95771-5) DOI: https://doi.org/10.1007/978-3-319-95771-5_10.

12. Ultimate pullout capacity of isolated helical anchor using finite element analysis. Ghosh P. and Samal S. In *Soil Dynamics and Earthquake Geotechnical Engineering*. Boominathan, A and Banerjee, S. (eds), Springer, 2019, pp: 237-245 (ISBN: 978-981-13-0562-7).

13. Geotechnics for Natural and Engineered Sustainable Technologies, Rajesh Sathiyamoorthy, Springer, Eds.: Krishna M., Dey A., Sreedeep S., 2018, ISBN 978-981-10-7720-3, pp. 291-301.

14. Environmental Contaminant: Mechanism, Measurement, and Performance Assessment, Rajesh Sathiyamoorthy, Springer, Eds.: Gupta T., Agarwal A., Agarwal R., Labhsetwar N., 2018, ISBN 978-981-10-7331-1, pp. 371-389.

15. Trends and Changes in Hydroclimatic Variables, G. Mallya, S. Tripathi and R. S. Govindaraju, Detection of Temporal Changes in Droughts Over Indiana, Elsevier, R. Teegavarapu, 2019, ISBN: 9780128109854, Chapter 6, pp. 305-360.

16. Geomorphic changes and sediment dynamics in Rivers: causes and consequences. In: Water Futures of India: Status of Science and Technology (Eds. Pradeep Mujumdar and V.M. Tiwari). Indian National Science Academy, Sinha, R., Jain, V. and Gaurav, K. (2019). 401-450.

17. Fuzzy based investment portfolio management, Applying Fuzzy Logic for the Digital Economy and Society, Fuzzy Management Methods, Mayank Pandey, Vikas Singh and Nishchal K. Verma, Springer, Cham, A. Meier, E. Portmann., L. Terán, 2019, ISBN - 978-3-030-03367-5, pp.73-95.

18. Dielectric Materials and Applications, Chapter 4: Microwave Assisted Heating of Dielectric Materials, M. Jaleel Akhtar and Nilesh K Tiwari, Nova Science Publishers, Inc., New York, USA, 2019, ISBN: 978-1-53615-316-3.

19. Handbook of Ecocriticism and Environmental Communication, “When Thirst Had Undone So Many: A Postcolonial Ecocritical Analysis of Water Crisis in Ruchir Joshi’s /The Last Jet-Engine Laugh/ and Girish Malik’s /Jal/,” T. Ravichandran and Nibedita Bandyopadhyay, Routledge,

Editors, Scott Slovic, Swarnalatha Rangarajan and Vidya Sarveswaran, 2019, ISBN: 978-1-138-05313-7, 242-254

20. Approaches to Teaching the Works of Amitav Ghosh "The Problematic of Fokir's Death: Exploring the Limits of Postcolonial Feminism," Suchitra Mathur, published by The Modern Language Association, edited by Gaurav Desai and John Hawley, 2019, ISBN: 9781603293976, pp. 85-93

21. The idea and practice of reading, Reading comprehension in ESL contexts: An Applied Cognitive Semantics perspective, N.P.Sudharshana In J. Ponniah & S. Venkatesan (eds.), Singapore: Springer Nature, 2018, ISBN: 978-981-10-8571-0, pp. 141-161

22. Psycho-social interventions for health and well-being, A commentary on posttraumatic growth, B. Bhushan In G. Misra (Ed.) Springer, New Delhi, 2018, (ISBN 978-81-322-3782-2, pp. 83-103

23. 1. Anandh Subramaniam, Anshul Gupta, Suboohi Shervani and Kantesh Balani Gases in Nanocontainers (Chapter) Elsevier

24. 2. S. S. Singh, N. Chwala 3D/4D X-ray microtomography: probing the mechanical behavior of materials (Chapter) Springer

25. Modeling and Simulation Based Analysis in Reliability Engineering, Aniket Jain, Biswabrata Pradhan, Debasis Kundu, CRC Press: Taylor and Francis Group, Mangey Ram, 2018, Chapter-6.

26. Applications Paradigms of Droplet and Spray Transport, Praveen Somwanshi, K. Muralidhar, and Sameer Khandekar,Coalescence Characteristics of Liquid Drops with Application to Dropwise Condensation, Springer, edited by S. Basu, 2018, ISBN 978-981-10-7232-1.

27. Handbook of Thermal Scienceand Engineering, P.K. Panigrahi and K. Muralidhar, Springer, Ed. F.A. Kulacki, Visualization of Convective Heat Transfer, pp. 759-804, 2018, ISBN 978-3-319-26694-7.

28. Shell Structures: Theory and Applications, AyanRoychowdhury and Anurag Gupta, Dislocations, disclinations, and metric anomalies as sources of global strain incompatibility in thin shells, W. Pietraszkiewicz and W. Witkowski, editors, 2018, ISBN 9781138050457, pp. 153-156, CRC Press.

29. Chapter in: Droplet and Spray Transport: Paradigms and Applications, Springer,Coalescence Characteristics of Liquid Drops with Application to Dropwise Condensation, Somwanshi P., Muralidhar K., Khandekar S., ISBN 978-981-10-7232-1, 2018.

30. Thermally Induced Oscillating Flow inside a Single Capillary Tube: A Step towards Understanding of the PHP Behavior, Encyclopedia of Two-Phase Flow and Heat Transfer (3rd

Edition)Lefèvre F., Khandekar S. and Bonjour J., , World Scientific, ISBN: 978-981-4623-20-9, 2018.

31. Neurophotonics and Biomedical Spectroscopy, Asima Pradhan, Prabodh K Pandey, & Pankaj Singh, Elsevier, Robert Alfano, Lingyan Shi, 2019, 9780323480673, 253-328.

32. *Physics of Buoyant Flows: From Instabilities to Turbulence, Mahendra K. Verma,* **World Scientific**, *(2018), ISBN 978-981-3237-79-7*

Refereed Conference Proceedings

1. 31st RGD Symposium, "Bulk Viscosity of Gases by Non-equilibrium Molecular Dynamics Approach", Bhanuday Sharma, Rakesh Kumar, Glasgow, UK, 2018 (to be published).

2. 31st RGD Symposium, "Transport of a Non-spherical Particle in Free Molecular Regime using the DSMC Method", Arun K. Chinnappan, Rakesh Kumar, Vaibhav K. Arghode, Glasgow, UK, 2018 (to be published).

3. 31st RGD Symposium, "DSMC Study of Plume Impingement on a Lunar Surface", Arun K. Chinnappan, Rakesh Kumar, Vaibhav K. Arghode, Glasgow, UK, 2018 (to be published).\

4. 31st RGD Symposium, "Single Particle Trajectory Analysis for the Evaluation of Surface Accommodation Coefficients", Sai Abhishek Peddakotla, Kishore K. Kammara, Rakesh Kumar, Glasgow, UK, 2018 (to be published).

5. 31st RGD Symposium, "Characterization of Plug Nozzle in the Rarefied Regime using the DSMC Method", Sai Abhishek Peddakotla, Aqib Khan, Rakesh Kumar, Glasgow, UK, 2018 (to be published).

6. 31st RGD Symposium, "Coaxially Rotating Carbon Nanotubes: A Novel Mechanism for Nanoscale Pumping of Fluids", Sritay Mistry, Kishore K. Kammara, Rakesh Kumar, Glasgow, UK, 2018 (to be published)