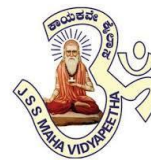




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Publication Details

Journal Publications: 2021

1. Pratima, Manmohan Singh Shishodia, "Energy Transfer Interactions and Sensing Characteristics of Gain Assisted and Graphene Coated Plasmonic Nanomatryoshka", Plasmonics, Vol.16, pp. 1-14, 2021. (WOS)

Conference publication: 2021

1. R. Verma, K. P. Singh and S. Singh, "Application of the Kirkwood Buff theory of solutions to a binary mixture of interest for Refrigeration Systems and Heat Pumps." AIP Conference Proceedings 2369, 020001, 2021.
2. Divya Ghildyal & Manisha Chaudhry, "Covid Lockdown Improves the Health of River Yamuna: A Pilot Study", National Conference on "Strategies for Sustainable Practices: During and post COVID Era", at JSSATE, Noida, 27th September, 2021.

Journal Publications: 2020

1. Pratima, Manmohan Singh Shishodia, "Forster Resonance Energy Transfer and Molecular Fluorescence near Gain Assisted Refractory Nitrides Based Plasmonic Core-Shell Nanoparticle", Plasmonics, Vol.15, pp.2081-2093, 2020. (WOS)
2. Divya Ghildyal, K.P. Singh, Pratibha Singh & Richa Verma "Healing of Rivers During Coronavirus Lockdown in India: A Statistical Approach" International journal of Lakes and Rivers, ISSN0973-4570, Vol.13, No.2, pp. 105-119, 2020. (WOS)
3. Pratibha Singh & Divya Ghildyal "Utilization of Algal Consortium to Produce Biofuels and By-products for Reducing Pollution load Pollution", Spring, Vol 6(2), pp. 363-376, 2020. (SCOPUS)
4. Pratibha Singh & Divya Ghildyal, "Application of microbial fuel cell for electricity generation by using utilizing different waste water", Pollution Research, Vol. 39, pp. 121-126, 2020. (SCOPUS)

Conference publication: 2020

1. Manisha Chaudhry and Shaweta Khanna, “Thermo-optical studies of TGB Phases in Binary Mixture of Liquid Crystals”, International Conference on Intelligent Control and Computation for Smart Energy and Mechatronic Systems, ICCSEMS-2020, 25-26 sept, JSSATE, Noida, 2020.

Journal Publications: 2019

1. Nidhi Yaduvanshi, Deepak Kumar, Nikhil Rastogi, Ashok Kumar “Application of Single Scan Differential Scanning Calorimetry Technique for Determination of Kinetic Parameters of Crystallisation in Se-Sb-Ag”, Journal of crystallisation process and technology, Vol 9, No 1, pp.1-11, 2019.
2. Nidhi Yaduvanshi, Deepak Kumar, Nikhil Rastogi, Ashok Kumar “Application of single scan differential scanning calorimetry technique for determination of kinetic parameters of crystallisation in se-in-ag, Chalcogenide letters, Vol. 16, No. 5, pp. 201-207, 2019.(WOS)
3. Divya Ghildyal “Study of seasonal variations between coliforms and biochemical oxygen demand (BOD) in Hindon River: a statistical approach”, Int. Res. Journal of Science & Engineering, Vol. 7 (4): pp. 81-91, 2019.

Conference Publication: 2019

1. Ajay Mall, Shaweta Khanna, Arti Noor, “Design of Low Power Dual Edge Triggered Retention Flip-Flop for IOT Devices” in 2nd International Conference on Recent Innovations in Computing (ICRIC-2019) at Central University of Jammu, from 8th -9th March, 2019.
2. R. Verma, K. P. Singh, “Evaluation of the Kirkwood Buff parameters for a High-Power Tunable Dye Laser Solution” AIP Conference Proceedings 2136, 040013, 2019.
3. Manisha Chaudhry, “Investigation of TGB phases in binary mixture of Cholesteric Liquid Crystal, International conference on Computing, Communication and Cyber-security, at Chandigarh, 12-13th Oct, 2019.

Journal Publications: 2018

1. Nidhi Yaduvanshi, Deepak Kumar, Nikhil Rastogi, "Optical Properties of Amorphous $\text{Se}_{90}\text{Sb}_{10-x}\text{Ag}_x$ using TAUC and URBACH Model, International Journal of Engineering Technology Science and Research, Volume 4, Issue 12, pp.102-107, 2018.
2. Nidhi Yaduvanshi, Deepak Kumar, Nikhil Rastogi, "Optical properties of amorphous thin films OF $\text{Se}_{90}\text{In}_{10-x}\text{Ag}_x$, Journal of Non - Oxide Glasses, Vol. 10, No. 2, pp. 33 – 42, 2018(WOS)
3. Nidhi Yaduvanshi, Deepak Kumar, Nikhil Rastogi." Optical Properties of Amorphous Thin Films of $\text{Se}_{90}\text{Sb}_{10-x}\text{Ag}_x$, Materials Focus, Vol. 7, no 6, pp. 509–514, 2018.
4. Manisha Chaudhry, "Twist Grain Boundary phases in binary mixture of Liquid Crystals", World Scientific News, WSN vol. 113 pp. 148-156, 2018
5. Divya Ghildyal, "Statistical Analysis of Coliforms and Bod Levels in Hindon River at Meerut: A Pilot Study" International Journal of Lakes and Rivers. ISSN 0973-4570 Vol. 11, Number 1, pp. 13-28, 2018, (WOS)
6. Sarish Yadava, Sphoorti Srivastava, D Kumar & A Kumar," Study of thermal stability in $\text{Se}_{90}\text{Sb}_{10-x}\text{Ag}_x$ glassy alloys", Indian Journal of Pure & Applied Physics Vol. 56, pp. 884-889, 2018. (WOS)
7. K. P. Singh and S. Singh, "Thermodynamic and acoustic properties of binary mixtures of PEGDME 250 with 1-propanol and 1- butanol at 293, 303 and 313°K" Physics and chemistry of liquids: An international journal, Vol.57, pp. 658-678, 2018 (WOS)

Conference Publication: 2018

1. Manisha Chaudhry, "Twist Grain Boundary phases in binary mixture of Liquid Crystals", 2nd International Conference on Frontiers of Science & Technology at Krishna Institute of engineering & Technology (KIET), Ghaziabad, 21-22nd July 2018.
2. Nidhi Yaduvanshi, 3rd International Conference on Advancement in Engineering, Applied Science and Management (ICAEASM-2018) (ICSSR, Chandigarh) Indian Council of Social Science ICSSR, Chandigarh, 27 May 2018.
3. Divya Ghildyal, "International Conference Liveable Cities: Transforming Sustainability and its challenges" Development of an Integrated Nano sensor System

for Sensitive Detection of Environmental Toxins and Harmful Microbes to Achieve Smart City Approach”. At Delhi University 5th – 7th February 2018.

4. P.K Singh, Ritwik Tiwari, Akanksha Sharma, Shaweta Khanna, Meenakshi Sood, “A Systematic Review on Automatic Image Caption Generation using Deep Learning”, in Proceedings of 5th International Conference on “ Computing for Sustainable Global Development”, held at Bharti Vidyapeeth, New Delhi from 14th -16th March, 2018.
5. Pratima, Manmohan Singh Shishodia, “Energy Transfer between the Molecules assisted with Gain Media in the Proximity of Core @ shell Nanoparticle”, International Conference on Fiber Optics & Photonics (Photonics-2018), IIT Delhi, Delhi. Proceedings of the Photonics-2018, ISBN 978-93-88653-41-1, 12th-15th Dec, 2018
6. Divya Ghildyal & Pratibha Singh, “Application of microbial fuel cell for electricity generation by using utilizing different wastewater”, International Conference on Bio Innovation for Environment and Health (BEHSD-2018), 27th – 28th Nov 2018.

Journal Publications: 2017

1. Manisha Chaudhry, Investigations of Twist Grain Boundary Phases in Chiral liquid Crystals, Advances in Physical Science Research, Vol.10, No.2, pp 1-07, 2017

Conference Publication: 2017

1. Manmohan Singh Shishodia, Pratima, “Multipole spectral expansion based closed form expressions for field enhancement near spherical and core@shell plasmonic nanoparticles”, International Conference on Frontiers of Science & Technology: ICFST-2017, at KIET, January 5th-6th, 2017.

Journal Publications: 2015

1. N. Yaduvanshi, D. Kumar, S. Srivastava, R.K. Shukla and A. Kumar, “Optical Properties of Amorphous $\text{Se}_{100-x}\text{Bi}_x$ Thin Films”, ISST Journal of Applied Physics, Vol. 6 No. 1, pp. 42-47, 2015

Conference Publication: 2015

1. Manisha Chaudhry & S.S. Bawa, “X-Ray Investigation of Twist Grain Boundary Phases in Binary mixture of Liquid Crystals”, (Oral presentation) International

Conference on Recent Development in Engineering Science and Management ICRDESM', 17 May 2015.

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3. K.P. Singh. "Thermo acoustical and viscometric study of Poly ethylene glycols methyl ether methacrylate 475 with 2-methoxyethanol and 2-ethoxyethanol", National conference on interdisciplinary approaches in chemical sciences, at Jamia Millia Islamia, New Delhi, 16 Dec 2015
4. K. P. Sing, "Ultrasonic, viscometric, optical and acoustical study of poly ethylene glycol dimethyl ether 150 with 1 propanol and 1 butanol at varying temperatures", International conference on emerging trends of engineering science, management and its applications, at JNU, New Delhi, , march 01, 2015
5. N. Yaduvanshi, D. Kumar, S. Srivastava, R.K. Shukla A. Kumar, Optical properties of amorphous $\text{Se}_{100-x}\text{Bi}_x$ thin films ", Vol 6, No 1 National Conference on Applied Physics and Material Science, held on February 5-6 2015, at M.D. University, Rohtak, Haryana.