

Patents

Publications

Book Chapters

Conference Papers

Lectures Delievered

Workshop/Symposium/Training Attended

Patents

Filed

1. Title : A Method for Automatic Volumetric Segmentation of Human Upper Respiratory Tract
Inventors : Bala Chakravarthy Neelapu, Harish Kumar Sardana, Om Prakash Kharbanda, Sardana Viren, Abhishek Gupta, Srikanth Vasamsetti
Filling Date : August 30, 2018
Application No. : 16/118088
Country : US
2. Title : Growth of Cuprous Oxide Nanowires With Top Layer of Noble Metal
Inventors : Vipin Chawla, Sunita Mishra, Arvind Kumar, Ramesh Chandra, Neha Sardana
Filling Date : August 31, 2018
Application No. : 201811032673
Country : IN
3. Title : A Device for Sensing the Pose and Motion of Human`s Arm Hand
Inventors : Sanjeev Soni, Sanjeev Verma, Dinesh Pankaj, Amod Kumar
Filling Date : September 18, 2018
Application No. : 1815200.9
Country : GB
4. Title : A Device for Sensing the Pose and Motion of Human`s Arm Hand
Inventors : Sanjeev Soni, Sanjeev Verma, Dinesh Pankaj, Amod Kumar
Filling Date : September 18, 2018
Application No. : 16/086160
Country : US
5. Title : Method for Full Field Measurement of Craze Density in Transparent Components
Inventors : Raj Kumar, Prabhat Kumar Baghel
Filling Date : November 22, 2018
Application No. : 201811043966
Country : IN
6. Title : Method and System for Activity Recording, Visualisation and Analysis for Identified Segments of Forest
Inventors : Ripul Ghosh, Akula Naga Vara Aparna, Sarkar Siddhartha, Vajpeyi Anirudh, Sardana Harish Kumar, Kumar Satish, Goap Amarendra
Filling Date : November 26, 2018
Application No. : PCT/IN2018/050786
Country : WO
7. Title : Toothed C-Spring Segments for Pre-Positionable Hand Prosthetics
Inventors : Sekar Anup Chander, Bhupinder Singh, Vhatkar Dattatraya Shivling, Dhanna Lal Meena
Filling Date : March 29, 2019
Application No. : 201911012436

Country : IN

8. Title : Method and System for Activity Recording, Visualisation and Analysis for Identified Segments of Forest
- Inventors : Ghosh Ripul, Akula Naga Vara Aparna, Sarkar Siddhartha, Vajpeyi Anirudh, Sardana Harish Kumar, Kumar Satish, Goap Amarendra
- Filing Date : November 27, 2018
- Application No. : 319/2018
- Country : BD

Publications

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3. Akula, N. V. A., & Sardana, H. K. (2018). Optimized bag of features framework for object recognition in thermal infrared images. *Journal of Electronic Imaging*, 27(6), 063017.
4. Azzouz, A., Goud, K. Y., Raza, N., Ballesteros, E., Lee, S. E., Hong, J., Deep, A. and Kim, K. H. (2018). Nanomaterial-based electrochemical sensors for the detection of neurochemicals in biological matrices. *TrAC Trends in Analytical Chemistry*, 110, 15-34.
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Book Chapters

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7. Mayank Garg, Satish Pandey, Vijay Kumar Meena, Amit L. Sharma and Suman Singh, "Applications of Molecularly imprinted polymers for genosensors", in *Biosensors: Materials and Applications, Materials Research Foundations*, Vol. 47, pp. 51-76, (2019).
8. Heminder Kaur, Jitendra Virmani, Kriti and Shruti Thakur, "A Genetic Algorithm Based Metaheuristic Approach to Customize a Computer Aided Classification System for Enhanced Screen Film Mammograms", In *U-Healthcare Monitoring Systems: Design and Applications*, Vol. 1, pp. 217-259, Publisher: Elsevier (2018).
9. Shrestha Bansal, Gaurav Chhabra, B. Sarat Chandra, Kriti and Jitendra Virmani, "A Hybrid CAD System Design for Liver Diseases using Clinical and Radiological Data", In *U-Healthcare Monitoring Systems: Design and Applications*, Vol. 1, pp. 289-314, Publisher: Elsevier, (2018)
10. **Three Dimensional Cephalometry-Orthodontics: Diagnosis and management of malocclusion and Dento-facial Deformities" 3rd Edition edited by Dr. O.P Kharbanda. (incomplete information Chapter name and author information not available)**

Conference Papers (Division Wise)

V1a

1. Vaishali Sharma, Surinder Singh Bhinder, SK Kansal and Pooja D., "Synthesis of Zn/Fe Metal Organic Frame Work for Selenium Removal from Water", 13th Chandigarh Science Congress (CHASCON-2019)", March 13-15, 2019, Panjab University, Chandigarh
2. Chetan Chaudhary, Preetismita Borah, Anupma Thakur, S.Kansal and Pooja D., Study of Selenium Pollution in the Punjab Region with Colorimetric and IC methods", 13th Chandigarh Science Congress (CHASCON-2019), March 13-15, 2019, Panjab University, Chandigarh
3. Shipra Singh, Preetismita Borah, Anupma Thakur, and Pooja D., "Low cost functional material for selenium detection in water", 13th Chandigarh Science Congress (CHASCON-2019), March 13-15, 2019, Panjab University, Chandigarh
4. Yogita, Manish Kumar, Ramandeep Kaur, Anupma Thakur and Pooja Devi, "Synthesis and Characterization of Carbon Quantum Dots from Cresol Red Dye", 2nd National Conference on Advances in Chemical and Environmental Engineering (ACEE'19), March 23-24, 2019, NIT, Jalandhar
5. Pooja Devi, Cody Schultz and Rebecca Y. Lai, "Design and Fabrication of Electrochemical Peptide-based Selenium Sensors", ACS Midwest Regional Meeting, October 21-23, 2018, Iowa State University, Ames, Iowa, USA.
6. Pooja D. and Praveen Kumar, "III-Nitrides Nanostructures for Next-Generation Energy Harvesting and Sensing Devices", Science and Research Opportunities in India (Sci-Rol), September 08-09, 2018, The University of Chicago, USA
7. Pooja D. and Praveen Kumar, "Carbon Quantum Dots for Water Pollutants Monitoring: Lab to Land", PITTCON-2018, February 25- March 01, Orlando, USA.
8. Pooja Devi, "Functional Carbonaceous Materials for Heavy Metals Quantification in Water", International Conference on Advanced Materials (ICAM-2019) organized by Centre for Nanoscience and Nanotechnology (CNN), March 06-07, 2019, Jamia Malia Islamia (A Central University), New Delhi (Poster Presentation)
9. Anupma Thakur, Pooja D., Praveen Kumar, Senthil Prasad and R.K. Sinha, "Bacteriorhodopsin/GaN Nanowall Network Hybrid as Bioengineered Artificial Light Harvesting Leaf for Hydrogen Production by Remarkable Solar-Water Splitting Performance", International Workshop on Energy, Power and Environment (IWEPE-2019), March 17-19, 2019, National Institute of Technology Kurukshetra (Best Poster Award)

10. Pooja D., "Selective Detection of Toxic Metalloids using Carbonaceous Nanostructures", First Indian Material Science Conclave and 30th AGM Material Research Society of India, February 12-15, 2019, Indian Institute of Science, Bangalore
11. Rishabh Jain, Pahul, Neerja Mittal, Praveen Kumar, and Pooja D., "Imaging Assisted Quantitative Colorimetric and Adsorption based Detection of Heavy Metal Ions using Disposable Paper Sensor Strips in Water", International workshop on advanced materials (IWAM-2019), February 24-26, 2019, Dubai (Oral Presentation)
12. Anupma Thakur, Praveen Kumar, Rishabh Jain, R.K Sinha and Pooja Devi, "Organic waste as feedstock to sustainable hydrogen fuel: A Solar Driven Quantum Leaf", International workshop on advanced materials (IWAM-2019), February 24-26, 2019, Dubai (Poster Presentation)
13. Shefali Saini, Anupma Thakur and Pooja D., "Biomedical Applications of Green Synthesized Carbon Quantum Dots from Citrus limetta Organic Waste", International Society for Nanomedical Science Conference (ISNSCON 2019), January 07-10, 2019, New Delhi
14. Rishabh Jain, Pahul Jot, Praveen Kumar and Pooja D., "Disposable paper sensor strips for quantitative colorimetric detection of zinc ions in water", Young Scientist Colloquium 2018, Material Research Society of India, September 21, 2018, Kolkata (Best Poster Award)
15. Anupma Thakur, Pooja D., Sudeshna Bagchi, R.K. Sinha and Praveen Kumar, Plasmonic Nanostructures/Carbon Dots Decorated TiO₂ Nanofibers: A Solar Driven Leaf for Water Splitting, Young Scientist Colloquium 2018, Material Research Society of India, September 21, 2018, Kolkata (Poster Presentation)
16. Praveen Kumar and Pooja D., "Surface Modified InGaN/Si(111) Photoanode for Efficient Photoelectrochemical Water-Splitting", Proceedings of the 4th World Congress on New Technologies (NewTech'18), August 19 – 21, 2018, Madrid, Spain (Best Oral Presentation)
17. MK Patel, Pradeep Kumar, Anup Kumar, Anil Jangra, Ashwani Kumar, "A Novel Approach of Electrostatically Charged Sprays for Dust Mitigation and Environment Protection", The Fourth International Conference on Creativity and Innovation at/for/from/with Grassroots (ICCI 4), January 28-30, 2019, IIM Ahmedabad

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18. Manisha Sharma, Vijay Kumar Meena and Suman Singh, "Influence of Calcination Temperature on Morphology and Size of Nanohydroxyapatite", International Symposium on Functional Materials (ISFM-2018): Energy and Biomedical Applications, jointly organized by IIT Kanpur, Panjab University and University of Illinois, Chicago, USA, April 13-15, 2018, Hotel Shivalik View, Chandigarh (Poster Presentation)
19. Manisha Sharma, Vijay Kumar Meena and Suman Singh, "One Step Synthesis of Hydroxyapatite Magnesium Oxide Nanocomposite for Biomedical Applications", NANOBIOTECK-2018 3rd Annual

Conference of Indian Society of Nanomedicine (ISNM) jointly organized by AIIMS, Delhi and IIT Delhi in partnership with DBT, GoI, October 24-27, 2018, AIIMS, Delhi (Poster Presentation)

20. Manisha Sharma, Vijay Kumar Meena and Suman Singh, “Flower Like to Needle like Hydroxyapatite Nanostructure: Synthesis and Characterization” UK-INDIA Interdisciplinary Workshop on Advanced Biomaterials and Biosensors (ABB-2018), November 13-15, 2018, Center for Biomedical Engineering (CMBE)
Indian Institute of Technology Ropar, Rupnagar, Punjab (Poster Presentation)
21. Manisha Sharma, Vijay Kumar Meena and Suman Singh, “Hydroxyapatite-Chitosan Nanocomposite for Orthopedic Applications”, 4th WHO Global Forum on Medical Devices organized by World Health Organization (WHO) and Ministry of Health and Family Welfare, GoI, December 13-15, 2018, AMTZ-Kalam Convention Centre, Visakhapatnam
22. Rishemjit Kaur, Ritesh Kumar, Piyush Agrawal and Gajendra P.S. Raghava, “PAMPdl: Prediction of Antimicrobial Peptide using Deep Learning Technique”, International Conference on Bioinformatics (INCoB2018), September 26-27, 2018, Jawaharlal Nehru University (JNU), New Delhi
23. Rishemjit Kaur, Ritesh Kumar, Piyush Agrawal and Gajendra P.S. Raghava, “Prediction of MSE interacting residue using Deep Learning Technique: An attempt to process Big Data”, International Conference on Bioinformatics (INCoB2018), September 26-27, 2018, Jawaharlal Nehru University (JNU), New Delhi
24. Palwinder Kaur, Sudeshna Bagchi and Amol P Bhondekar, “Impedimetric Study of Polypyrrole Coated Zinc Oxide Fibers for Ammonia Detection”, 6th International Conference on Signal Processing and Integrated Networks (SPIN), March 07–08, 2019, Amity University, Noida, Delhi-NCR
25. Saurav Kumar, Amol P Bhondekar, Prateek Jain, Sudeshna Bagchi, Anupma Sharma, Ritesh Kumar and Sunita Mishra, “Artificial lipid membrane: surface modification and effect in taste sensing, IOP Conference Series Materials Science and Engineering”, 360:01203, 2018; DOI: 10.1088/1757-899X/360/1/012039
26. Saurav Kumar, Anupma Sharma and Amol P Bhondekar, “Effect of Plasticizer on the Surface Property and Taste Sensing Property of Artificial Lipid Membrane”, Conference: 2018 Joint International Conference on Science, Technology and Innovation, Mandalay (ICSTIM) with Japan University & Company Research Group cooperated by IEEE, October 5, 2018, Mandalay Technological University, Patheingyi, Mandalay, Myanmar

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18. Vikram Singh, Poonam Syal and Sanjeev Kumar, “Haptic Feedback in Surgical Robotic Applications- A Review”, International Conference on Applied Science & Engineering (ICASE), May 25, 2018, Chandigarh

19. Amrita Singh, Poonam Syal and Sanjeev Kumar, "Adaptive Filter Design for Suppression of Tremor in Robotic Surgery", 2018 International Conference on New Trends in Engineering & Technology (ICNTET), September 07-08, 2018, Tiruvallur, Chennai
20. Akanksha Deep, Yogesh Kumar, "PoonamSyal and Sanjeev Kumar, Data Acquisition System for the Development of Non-Invasive Hemoglobin Measurement", 2018 International Conference on New Trends in Engineering & Technology (ICNTET), September 07-08, 2018, Tiruvallur, Chennai
21. Vikram Singh, Poonam Syal and Sanjeev Kumar, "Implementation of Current Sensing Technique for Providing Force Feedback in Robotic Surgical Application", International Conference on Science, Technology & Management (ICSTM), September 16, 2018, Chandigarh
22. Soni S and Tyagi H., "Investigation of Nanoparticle Injection to a Tissue through Porous Media Theory", ICTEA 12th International Conference on Thermal Engineering: Theory and Applications, February 23-26, 2019, Pandit Deendayal Petroleum University Gandhinagar, Gujrat
23. Shaw AK and Soni S. "Thermo-Fluid Analysis of a Device for Medical Applications", ICTEA 12th International Conference on Thermal Engineering: Theory and Applications, February 23-26, 2019, Pandit Deendayal Petroleum University Gandhinagar, Gujrat
24. Monga D, Soni S, Tyagi H. "Role of optical coefficients and blood perfusion on thermal response during nanoparticle assisted hyperthermia". 7th International & 45th National Conference on Fluid Mechanics & Fluid Power (FMFP 2018) , December 10-12, 2018, IIT Bombay, Mumbai
25. Laddi Amit, Kumar M., Himani, Bhure S., Sharma S. and Verma S. VeinViz, "Vein Visualisation through Infrared Imaging", Indo-French Workshop on robotics for rehabilitation (Robo-Rehab 2019), February 26-28, 2019, CSIR-CSIO, Chandigarh

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27. Bhargab Das, Deepa Srivastava, Umesh K. Tiwari and BC Choudhary, "Phase-Sensitive Interrogation of π -Phase Shifted FBG Sensor for High-Resolution Dynamic Strain Sensing", International Conference on Fiber Optics and Photonics (Photonics-2018), December 12-15, 2018, Indian Institute of Technology Delhi, New Delhi
28. Vishal Kumar, Deepa Srivastava, and Bhargab Das, "Performance Enhancement of Acoustic Sensitivity in Polymeric Coated FBG based Hydrophone", International Conference on Fiber Optics and Photonics (Photonics-2018), December 12-15, 2018, Indian Institute of Technology Delhi, New Delhi
29. Deepa Srivastava, Ishita Bhutani, and Bhargab Das, "Experimental realization of a fiber based Michelson interferometer for FBG sensor interrogation", XLII OSI-International OSI-International Symposium on Optics (OSI-ISO 2018), September 19-22, 2018, IIT Kanpur, Kanpur
30. Manish Kumar, Satish Kumar and Bhargab Das, "Target Detection using Smooth Pseudo Wigner-Ville Distribution", IEEE Recent Advances in Intelligent Computational Systems (RAICS-2018), December 06-08, 2018, Thiruvananthapuram, Kerala

31. Vignesh, Siddharth Kaushik, Umesh K. Tiwari, Ravi Kant Choubey, Kamaldeep Singh and Ravindra K Sinha, "Study of Sonication Assisted Synthesis of Molybdenum Disulfide (MoS₂) Nanosheets", International Symposium on Functional Materials (ISFM-2018): Energy and Biomedical Applications, jointly organized by IIT Kanpur, Panjab University and University of Illinois, Chicago, USA, April 13-15, 2018, Hotel Shivalik View, Chandigarh
32. Keshav Samrat Modi, Satya Pratap Singh, Umesh Tiwari and Ravindra Kumar Sinha, "Split-arc-based Metasurface for Refractive Index Sensing Applications", SPIE Photonics West (Proceedings of SPIE), February 02-07, 2019, San Francisco, California, USA
33. P Gupta, K Vairagi, U Tiwari, Amit Pandey and S Mondal, "Application of Bessel Beam from Deep Seated Negative Axicon in Optical Coherence Tomography of Tissue Structure", SPIE Photonics West (Proceedings of SPIE), February 02-07, 2019, San Francisco, California, USA
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35. Umesh Tiwari, Siddharth Kaushik and Akashdeep, "Molybdenum disulfide (MoS₂) Nanosheets functionalized Optical Fiber Surface Plasmon Resonance Sensor for Biosensing Applications, International Conference on Optics, Photonics and Lasers (OPAL-2018), , May 09-11, 2018, Barcelona, Castelldefels, Spain
36. Keshav Samrat Modi, Jasleen Kaur, Satya Pratap Singh, Umesh Tiwari and Ravindra Kumar Sinha, "Fano Resonance based all Dielectric Metasurfaces for Optical Modulator Application", The International Conference on Fiber Optics and Photonics (PHOTONICS-2018), December 12-15, 2018, IIT Delhi, New Delhi
37. Keshav Samrat Modi, Jasleen Kaur, Satya Pratap Singh, Umesh Tiwari and Ravindra Kumar Sinha, "Refractive Index Sensor based on Fano Resonance for all Dielectric Metasurfaces", XLII OSI-International Symposium on Optics (OSI-ISO 2018), September 19-22, 2018, IIT Kanpur, Kanpur
38. Rashmi Achla, Kaushal Vairagi, Aditi Chopra, Priyanka Kumari, Sudipta Sarkar and Samir Mondal, "Optical fiber tip with deep seated negative axicon as plasmonic sensor for monitoring protein binding", SPIE Photonics Europe, April 22-26, 2018, Strasbourg, France
39. Shwinky Bhatia, Aditi Chopra, Girish C. Mohanta and Sudipta Sarkar Pal, "Development of Metal Organic Framework integrated Optical Fiber for Gas Sensing Application", XLII OSI-International Symposium on Optics (OSI-ISO 2018), September 19-22, 2018, IIT Kanpur, Kanpur
40. Aditi Chopra, Megha Lekhi, Shinki, Subhendu Sarkar and Sudipta Sarkar Pal, "Investigation of plasmonic nanostructures with controlled roughness as SERS substrate", The International Conference on Fiber Optics and Photonics (PHOTONICS-2018), December 12-15, 2018, IIT Delhi, New Delhi
41. Aditi Chopra, Shwinky, Girish C. Mohanta and Sudipta Sarkar Pal, "Biomolecule and Metal Organic Framework integrated Optical Fiber for Sensing application", The International Conference on Fiber Optics and Photonics (PHOTONICS-2018), December 12-15, 2018, IIT Delhi, New Delhi
42. H. Dixit, A. Kumar, S. Hinge, G. Kulkarni and R. Kanawade, "Tissue Mimicking Skin Phantom Fulfillment and their Characterization", The International Conference on Fiber Optics and Photonics (PHOTONICS-2018), December 12-15, 2018, IIT Delhi, New Delhi

43. V. Jadhav, A. Beedkar, S. Hinge, S. Rauth, A. Kumar, G. C. Mohanta, V. Mathe, G. Kulkarni and R. Kanawade, "Elucidating PDT effect in Photosensitizer Nanoparticles", The International Conference on Fiber Optics and Phototronics (PHOTONICS-2018), December 12-15, 2018, IIT Delhi, New Delhi
44. Neha, R. Kanawade, S. Tiwari and HK Sardana, "Photoplethysmography based Arrhythmia Detection and Classification, 6th International Conference on Signal Processing and Integrated Networks (SPIN), March 07–08, 2019, Amity University, Noida, Delhi-NCR
45. Manish Kalra, Satish Kumar and Bhargab Das, "Target Detection Using Smooth Pseudo Wigner-Ville Distribution", IEEE Recent Advances in Intelligent Computational Systems (RAICS-2018), December 06-08, 2018, Thiruvananthapuram, Kerala

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46. Kim Jungrack, Lin Shih-Yuan, Singh Seema, Singh Tejpal, Tsai Ya-Lun, Gupta Sanjeev and Save Himanshu, "Surface Deformations by Ground Water Depletion over N.W. India: Local and Global Scale Observations using Insar and Space Geodesy and their Geological Implications", EGU General Assembly 2018, 08-13 April, 2018, Vienna, Austria
47. Gaurav Verma, Shashi Poddar, Vipin Kumar and Amitava Das, "Two View Triangulation: A Novel Approach using Sampson's Distance", Third International Conference on Computer Vision and Image Processing (CVIP 2018), September 29 - October 1, 2018, PDPM Indian Institute of Information Technology, Design and Manufacturing, Jabalpur
48. Harshit Rampal, Amitava Das, Shveta Mahajan, Satbir Singh, "Enhancement of Corn Image Quality using Very-Deep Super-Resolution (VDSR) Neural Network", 3rd International Conference on Inventive Computation Technologies (3rd ICICT 2018), November 15-16, 2018, Coimbatore, Tamilnadu

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49. Rajnish Kaur, Amit L. Sharma, Kyungmin Kim and Akash Deep, "A CdTe/Eu-MOF Photoanode or Application in Quantum Dot-Sensitized Solar Cell". Conference on Materials & Technologies for Energy Conversion and Storage (M-TECS 2018), September 26-29, 2018, DAE Convention Centre, Anushaktinagar, Mumbai
50. Sundriyal, S., Shrivastav, V., Bhardwaj, K. S., Mishra, S., & Deep A, "Study of Cu-Metal Organic Framework (HKUST-1) as an Electrode for Supercapacitor Applications" Conference on Materials & Technologies for Energy Conversion and Storage (M-TECS 2018), September 26-29, 2018, DAE Convention Centre, Anushaktinagar, Mumbai
51. Sundriyal, S., Shrivastav, V., Goel, P., Mishra, S., & Deep A, "Electrochemical Study of ZIF-67 Electrode using Redox Additive Electrolyte for Supercapacitor Applications", Conference on Materials & Technologies for Energy Conversion and Storage (M-TECS 2018), September 26-29, 2018, DAE Convention Centre, Anushaktinagar, Mumbai.

52. Sundriyal, S., Goel, P., Shrivastav, V., Kaur, H., Mishra, S., & Deep A, "Manganese MOF as a Novel Electrode Material for High Performance Aqueous Supercapacitors", Conference on Materials & Technologies for Energy Conversion and Storage (M-TECS 2018), September 26-29, 2018, DAE Convention Centre, Anushaktinagar, Mumbai.
53. Sunita Mishra, "NIR Spectroscopy for Food Quality", International conference on Technological Innovations for Integration of Food and Health (TiiFH 2019): A focus on North-East India, February 14-16, 2019, Tezpur University, Assam
54. Paramita Guha, Virmita Malhotra and Sunita Mishra, "Control of storage parameters using wireless sensor networking to maintain the nutritional properties of stored wheat grain", International conference on Technological Innovations for Integration of Food and Health (TiiFH 2019): A focus on North-East India, February 14-16, 2019, Tezpur University, Assam
55. Sarita Devi, Ashok K Paul and Sachin Tyagi, "Nitrogen Doped Carbon Quantum Dots Mediated Fluorescence Enhancement of Metal Organic Framework", International Conference on Advanced Materials (ICAM-2019) organized by Centre for Nanoscience and Nanotechnology (CNN), March 06-07, 2019, Jamia Malia Islamia (A Central University), New Delhi (Poster Presentation)
56. Rajesh Kashyap, Dinesh kumar, Mukesh kumar, Sachin Tyagi, Synthesis and Characterization of Nickel Ferrite Based Film for VOC Sensing Applications, International Conference on Advanced Materials (ICAM-2019) organized by Centre for Nanoscience and Nanotechnology (CNN), March 06-07, 2019, Jamia Malia Islamia (A Central University), New Delhi (Poster Presentation)
57. Shivanshu Goel, Avesh Garg, Raju Kumar Gupta and Sachin Tyagi, "Microwave Absorbing Behaviour of Industrial Waste Fly Ash", National Conference on Materials & Nanotechnology: Ideas, Innovation & Initiatives (NCMN-2019), February 15-16, 2019, GLA University, Mathura
58. Avesh Garg, Neelam Kumari and Sachin Tyagi, "Synthesis and Characterization of SrFe₁₂O₁₉/Ti₃SiC₂ Composite for RADAR Absorption Application in X-Band", National Conference on Advanced Materials and Devices for Futuristic Applications (AMDFA-2018), May 19-20, 2018, Chandigarh University, Gharuan, Mohali, Punjab (1st Prize: Best Poster Presentation)
59. Sarita Devi, Ashok K Paul and Sachin Tyagi, "Interaction of Heavy Metal Based Luminescent Quantum Dots with Quencher Gold Nanoparticles", National Conference on Advanced Materials and Devices for Futuristic Applications (AMDFA-2018), May 19-20, 2018, Chandigarh University, Gharuan, Mohali, Punjab (2nd Prize: Best Poster Presentation)
60. Shivanshu Goel, Ashok K Paul and Sachin Tyagi, "Synthesis and Characterization of Carbon Quantum Dot Coated Barium Titanate Fibers", National Conference on Advanced Materials and Devices for Futuristic Applications (AMDFA-2018), May 19-20, 2018, Chandigarh University, Gharuan, Mohali, Punjab (Poster Presentation)
61. Vandana Gupta and Sachin Tyagi, "UiO-66 MOF Development for Anticancer Drug Delivery", National Conference on Advanced Materials and Devices for Futuristic Applications (AMDFA-2018), May 19-20, 2018, Chandigarh University, Gharuan, Mohali, Punjab (Poster Presentation)
62. Sachin Tyagi, "Metallic Nanoparticles in Conjugation with Fluorescent Nanoparticles for Nitroaromatic Explosive Sensing", International Symposium on Functional Materials (ISFM-2018): Energy and Biomedical Applications, jointly organized by IIT Kanpur, Panjab University and University of Illinois, Chicago, USA, April 13-15, 2018, Hotel Shivalik View, Chandigarh

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63. Bhargab Das, Deepa Srivastava, Umesh K. Tiwari and B. C. Choudhary, "Phase-Sensitive Interrogation of π -Phase Shifted FBG Sensor for High-Resolution Dynamic Strain Sensing", The International Conference on Fiber Optics and Phototronics (PHOTONICS-2018), December 12-15, 2018, IIT Delhi, New Delhi
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CSIO Chennai Centre

82. Sheshadri Shekhar Rauth , Mukesh Kumar and Kota Srinivas, "A Proportional Resonant Power Controller and A Combined Amplitude Adaptive Notch Filter with PLL for Better Power Control and Synchronization of Single Phase On Grid Solar Photovoltaic System", IEEE International conference on Smart Systems and Inventive Technology (ICSSIT 2018), December 13-14, 2018 at Francis Xavier Engineering College, Tirunelvel, Tamil Nadu
83. S. Prabhakaran, "Synthesis of Bio-Collector for Coal Flootation using Agricultural Waste Product", 34th National Convention of Chemical Engineers and National Seminars on Bio-degradable Materials and Bio-technology for Environmental Protection in Chemical and Pharmaceutical Industries organised by The Institution of Engineers India, Tamil Nadu State Centre, October 26-27, 2018, Chennai

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1. Akash Kumar, Shivani Sharma, Kailash Chand and Paramita Guha, "Structural Analysis of PFCB W14 Material Using COMSOL Multiphysics, ", 6th International Conference on Signal Processing and Integrated Networks (SPIN), March 07–08, 2019, Amity University, Noida, Delhi-NCR
2. Artee, Gaurav Sharma, D. Bansal, Shashi Moitra and Sanjeev Kumar, "Determination of optimal location for sensors implementing non-invasive methods for evaluating the capacity of Window

Air Conditioner”, 2nd International Conference on Sustainable Energy, Electronics & coMputing Systems (SEEMS-2018), October 26-27, 2018, Greater Noida

3. Shivani Sharma, Kailash Chand, Deepak Sharma and Paramita Guha, Development of an early detection system for Fire using wireless sensor networks and Arduino, 2nd International Conference on Sustainable Energy, Electronics & coMputing Systems (SEEMS-2018), October 26-27, 2018, Greater Noida
4. Sudesh Yadav, D. Bansal and Shashi Moitra, ‘Pre-dispatch inspection of medical devices for hospitals’, 4th WHO Global Forum on Medical Devices organized by World Health Organization (WHO) and Ministry of Health and Family Welfare, GoI, December 13-15, 2018, AMTZ-Kalam Convention Centre, Visakhapatnam
5. N. Jaggi, Kailash Chand, P. Mukhija, Paramita Guha, K. Chathuranga, S. Lalitharathne, A. L. Kulasekera, R. Gopura, Design and Simulation of Autonomous Fire Fighting Robots for Forests, 4th IEEE International Conference On Computing Communication and Automation, December 14-15, 2018, Greater Noida
6. Chandan J. Singh, Shivani Sharma, Kailash Chand, P. Mukhija, Paramita Guha, K. Chathuranga, S. Lalitharathne, A. Kulasekera and R. Gopura, Detection of Forest Fires at early stages using Wireless Sensor Network and Graphical User Interfacing, 4th International Conference on Computers and Management (ICCM 2018), December 22-23, 2018, G B Pant Govt. Engineering College Okhla , New Delhi
7. Paramita Guha, Virmita Malhotra and Sunita Mishra, “Control of storage parameters using wireless sensor networking to maintain the nutritional properties of stored wheat grain”, International conference on Technological Innovations for Integration of Food and Health (TiiFH 2019): A focus on North-East India, February 14-16, 2019, Tezpur University, Assam

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1. S. Sharma, S. Das, J. Virmani, M. Sharma, S. Singh and A. Das , “IoT Based Dipstick Type Engine Oil Level and Impurities Monitoring System: A Portable Online Spectrophotometer”, 4th International Conference on Internet of Things: Smart Innovation and Usage, April 18-19, 2019, Ghaziabad

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2. V. Singh, S. Tewary, I. Graduate, V. Sardana, and H. K. Sardana, “Arrhythmia Detection - A machine Learning Based Comparative Analysis with MIT-BIH ECG data”, I2CT 2019 : 5th International Conference for Convergence in Technology, March 29-31, 2019, Pune

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3. Akanksha Singh , Mukesh Rawat, Awdhesh K. Shukla , Amod Kumar and Balvinder Singh, “An Overview of Pixel Value Differencing Based Data Hiding Techniques”, The 11th International Conference on Contemporary Computing (IC3 2018), August 2-4, 2018, Jaypee Institute of Information Technology, Noida

4. Priyanka , Deepak Sharma , Amarendra Goap, AK Shukla and Amol P. Bhondekar, "Reliable Lifetime Assessment for Routing in Heterogeneous Wireless Sensor Network with Energy Harvesting Nodes Placement," 2018 7th International Conference on Reliability, Infocom Technologies and Optimization (Trends and Future Directions) (ICRITO), August 29-31, 2018, Amity University Uttar Pradesh, Noida
- 5^ण स्वर्णजीत सिंह, बन्दना खुल्लर, तेज पाल सिंह, अभितावा दास, 'भूकम्प एवं पूर्वानुमान में सी.एस.आई.ओ. का योगदान', राष्ट्रीय वैज्ञानिक एवम तकनीकी संगोष्ठी, दिसम्बर 06-07 2018, सासे सेक्टर 37, चंडीगढ़ ;पावरपवाइंट प्रेजेटेशन
- 6^ण बन्दना खुल्लर, 'उत्तरभारत: एक भूकम्पीय प्रवण पटिट्का', राष्ट्रीय वैज्ञानिक एवम तकनीकी संगोष्ठी, दिसम्बर 06-07, 2018, सासे सेक्टर 37, चंडीगढ़ (पावरपवाइंट प्रेजेटेशन)
- 7^ण विकाशचन्द्र 'फाइबर ब्रैग ग्रेटिंग (FBG) ध्वनिक संवेदक', राष्ट्रीय वैज्ञानिक एवम तकनीकी संगोष्ठी, दिसम्बर 06-07, 2018, सासे सेक्टर 37, चंडीगढ़ (पावरपवाइंट प्रेजेटेशन)
- 8^ण स्वर्णजीत सिंह, बन्दना खुल्लर, राजेन्द्र सिंह शौण्डा, तेजपाल सिंह, अभितावा दास 'सैन्य-सुरक्षा में सेल-फोन जैमर की चुनौतियाँ तथा निवारण', इंकम टैक्स डिपार्टमेंट, अगस्त 28, 2018, सेक्टर 17, चंडीगढ़
- 9^ण स्वर्णजीत सिंह, बन्दना खुल्लर, राजेन्द्र सिंह शौण्डा, तेजपाल सिंह, अभितावा दास, 'प्राकृतिक आपदाएँ-भूकम्प तथा भूकम्पीय मापन के उपकरणों में सी.एस.आई.ओ. का योगदान', अगस्त 13-14, 2018, सी.एस.आई.आर. मद्रास कॉम्प्लेक्स, चेन्नाई
- 10^ण स्वर्णजीत सिंह, बन्दना खुल्लर, राजेन्द्र सिंह शौण्डा, तेजपाल सिंह, अभितावा दास, 'भूकम्प एवं पूर्वानुमान', 6th National conference, मार्च 29, 2019, रवीन्द्र भारती विश्वविद्यालय, कोलकाता
- 11^ण बन्दना खुल्लर, 'डी.एस.ए. -बूँद का सतह पर गिरना', राष्ट्रीय वैज्ञानिक एवम तकनीकी संगोष्ठी, फरवरी 2, 2019, इमटेक, चंडीगढ़ (पावरपवाइंट प्रेजेटेशन)
- 12^ण सोनू कुमार और सी. सेतुरामन, "सौरफोटोवोल्टाइक प्रणाली में उपयोग की जाने वाली लेड एसिड बैटरी के लिए चार्ज की अवस्था का आकलन", राष्ट्रीय हिंदी तकनीकी संगोष्ठी: प्रौद्योगिकी दूरदृष्टि 2035- चुनौतियाँ एवं अवसर, आगस्त 13-14, 2018, सीएसआईआर - संरचनात्मक अभियांत्रिकी अनुसंधान केंद्र एवं सीएसआईआर मद्रास कॉम्प्लेक्स (द्वितीय पुरस्कार)

Lectures Delivered/ Invited Talks

Dr. Akash Deep

- “Evelopment of Metal-Organic Framework (MOF) Based Conducting Platforms for Sensing Applications”, CHASCON-2019, March 14, 2019, Panjab University, Chandigarh
- “Development of Metal-Organic Framework Based Enzymatic Biosensor for Convenient and Sensitive Detection of Organophosphate Pesticides”, Workshop on Sensors & IOT , December 18, 2018, The Indian Institute of Technology Ropar, Punjab
- “Development of Metal-Organic Framework Based Enzymatic Biosensor for Convenient and Sensitive Detection of Organophosphate Pesticides”, 3rd International Conference on Soft Materials (ICSM-2018), December 09-14, 2018, Malaviya National Institute of Technology Jaipur, Rajisthan
- “Fast and Convenient Detection of Organophosphate Pesticides with Biosensors”, AGRI-SMART-2018, November 19, 2018, CDAC-Mohali, Punjab
- “Bioconjugated Metal-Organic Frameworks as Sensors For Various Environmental Pollutants”, National Symposium on Current Trends and Future Prospects in Biotechnology, November 10-11, 2018, UIET, Panjab University, Chandigarh
- “Enzyme Immobilized Metal-Organic Frameworks as Improved Substrates”, 2nd International Conference on Bioresources, Energy, Environment, and Materials Technology (BEEM 2018), June 10-13, 2018, Daemyung Resort, Hongcheon, Gangwon Province, Korea

Dr. Sunita Mishra:

- “ NIR Spectroscopy for Food Quality, International conference on Technological Innovations for Integration of Food and Health (TIIFH 2019): A focus on North-East India, February 14-16, 2019, Tezpur University, Assam
- “Analytical Instruments for Chemical Analysis”, Management Development Programme on Operation and Maintenance of Analytical Equipment, January 01-25, 2019, CSIR-CSIO, Chandigarh
- “NIR Spectroscopy for Biomedical Instrumentation”, Management Development Programme on Operation, Maintenance & Repair of Biomedical Equipment”, October 03-27, 2018, CSIR-CSIO, Chandigarh
- "Physics and Experiments", KVS- ZIET Academy, July 26, 2018, Chandigarh

Dr. Sachin Tyagi

- “Metallic Nanoparticles in Conjugation with Fluorescent Nanoparticles for Nitroaromatic Explosive Sensing”, chaired the session and judge the poster presented at International Symposium on Functional Materials (ISFM-2018): Energy and Biomedical Applications, jointly organized by IIT Kanpur, Panjab University and University of Illinois, Chicago, USA, April 13-15, 2018, Hotel Shivalik View, Chandigarh
- “Nanomaterials Based Sensors for Explosive, Ethanol and Ammonia Detection”, Physics Department, October 13, 2018, KMV Mahavidhyala, Jalandhar
- “Ferrite Based Magnetic Nano Composites for Gas Sensing and Microwave Absorption Application”, National Conference on Materials & Nanotechnology: Ideas, Innovation & Initiatives (NCMN-2019), February 15-16, 2019, GLA University, Mathura

Dr. S. Prabhakaran

- “Induction Motor Performance Analyzer (IMPA) – Technology Overview” , Two-day Technology Awareness Training Program on UMPA organized by M/s Industrial Controls & Drives India Private Limited, Chennai, August 13, 2018 M/s. RAMCO Cements Limited (RCL), Ariyalur, Tamil Nadu
- “Successful CSIR Technologies & Achievements”, Recent Inventions & Innovations – 10/10 & Energy Generation & Conservation, JIGYASA-18 programs scheduled at KV-1 and KV-2 Schools, December 13-14, 2018, Vishakapatnam, Andhra Pradesh
- "Plastic - The known Enemy for Living Things", The National Conference on Beat Plastic Pollution, January 31, 2019, Justice Basheer Ahmed Sayeed College for Women, Chennai
- “Thinking of becoming a Scientist – Ways & Means” in JIGYASA-18 Scientist-Students Meet , January 31, 2019, CSIR-SERC, Chennai
- “Metering to Management System – Role of CSIO”, Two-day workshop on Green Energy Technologies - Energy Management & Efficiency Monitoring Systems (GET-EMEMS), in the eve of CSIR-CSIO Diamond Jubilee Celebration organized by CSIR-CSIO Chennai Centre, February 6, 2019, Madras Fertilizers Limited, Manali, Chennai
- “Efficiency Monitoring Systems – Motors & Pumps”, Two-day workshop on Green Energy Technologies - Energy Management & Efficiency Monitoring Systems (GET-EMEMS), in the eve of CSIR-CSIO Diamond Jubilee

Celebration organized by CSIR-CSIO Chennai Centre, February 6, 2019, Madras Fertilizers Limited, Manali, Chennai

- “Robotics & Automation – Role of Young Minds for Future India”, Inaugurated the Atal Tinkering Lab – Robotics for School Children and delivered lecture, February 14, 2019, New India Matriculation Higher Secondary School Deevattipatti danishpet, Bommidi Road, Ramamurthi Nagar, Salem
- “Condition & Performance Monitoring of Induction Motors”, 5th International Conference on Energy Systems (ICEES 2019), February 22, 2019, Department of Electrical and Electronics Engineering, S.S.N. College of Engineering, Chennai

Dr. C. Sethuraman

- "Energy Analysis and Use of Green Energy Technologies in Industrial Thermal Systems", Two-day workshop on Green Energy Technologies - Energy Management & Efficiency Monitoring Systems (GET-EMEMS), February 6, 2019, Madras Fertilizers Limited, Manali, Chennai, Tamil Nadu

Pooja Devi

- “Functional Carbonaceous Materials for Heavy Metals Quantification in Water”, International Conference on Advanced Materials (ICAM-2019), March 07, 2019, Jamia Malia University, Delhi, India
- “Selective Detection of Toxic Metalloids using Carbonaceous Nanostructured Materials”, GC Jain Memorial Lecture, 1st Indian Material Science Conclave and 30th AGM Material Research Society of India, February 14, 2019, Iisc Bangalore
- “Fourier Transform Infrared Spectroscopy”, Management Development Programme on Operation and Maintenance of Analytical Equipment, January 14, 2019, Chandigarh
- “Carbonaceous Fluorescent Dots: Promising Candidates for Applications in Sensing, Energy Harvesting, and Security Inks”, ISCA Young Scientist Award Category, 106th Indian Science Congress, January 04, 2019, Lovely Professional University, Jalandhar
- “Materials for Emerging Water Pollutants Detection”, BRICS Young Scientist Alumni Conclave, December 03, 2018, National Institute of Advanced Studies, Bangalore

- “Electrochemistry: Fundamental and Applications, Upskilling Chemistry Teachers on latest Pedagogical tools for Impactful Teaching, December 09, 2018, VIGNAN University, Guntur, Andhra Pradesh
- "Materials Engineering for Sustainable Solutions Towards Environment and Energy", ISEES Young Scientist and Best Thesis Award Lecture Session, 3rd International conference of International Society for Energy, Environment and sustainability, “Sustainable energy and environment challenges (SEEC 2018), December 18, 2018 IIT Roorkee
- “Energy Management and Popularization of Science”, Kendriya Vidalya School OCF 29, December 21, 2018, Chandigarh
- “JIGASA: A Science Outreach Program”, State Level Children Science Congress, CSIO-ISTC, December 06, 2018, Chandigarh
- Pooja D., "Popularization of Science and Energy Resource", KVS OCF, 29 B, Chandigarh (Under JIGYASA Outreach), December 21, 2018, Chandigarh
- Dr. Manoj Nayak, Expert lecture on ‘Photoluminescence Spectroscopy’ and hands on training, Indian Technical and Economic Cooperation (ITEC) Program, 11th January 2019, CSIR-CSIO Chandigarh

Samir K Mondal

- “Optical Fiber Nanoantenna: Nano-Photonics to Optical Tweezers”, September 13, 2018, OIST, Japan, (13-09-2018)
- “Optical Nanoantenna”, Zhejiang University, China (XX-XX 2019)

Dr. Umesh Tiwari

- “Recent Developments of FBG Sensors for SHM and Detonics Applications”, Workshop on Photonics for Detonics, March 01-02, 2019, TBRL-DRDO, Chandigarh
- “The Recent Developments and Challenges in Immobilized Optical Fiber Biosensors”, International Conference on Photonics, Metamaterials and Plasmonics (PMP-2019), February 14-16, 2019, Jaypee Institute of Information Technology Noida
- “Optical Amplifiers: Design, Simulation & Analysis”, Expert Talk, September 12, 2018, NITTR, Chandigarh

- “Fiber Gratings & FBG based Sensors” Expert Talk, July 26, 2018, , National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh

Dr. Rajesh Kanawade

- “Axicon Fiber Optic Sensor for Volatile Organic Gases Detection”, National Conference Emerging Materials and Nanotechnology (EMAN-2019) , January 18-19, 2019, C.T. Bora College, Pune

Dr. Amit Laddi

- “Intelligent Patient Vehicle”, ITEC program on Management Development Programme on Operation, Maintenance & Calibration of Biomedical Equipment, October 1-26, 2018, CSIR-CSIO, Chandigarh

Dr. Prasant Mahapatra

- “3D Vision System”, ITEC program on Management Development Programme on Operation, Maintenance & Calibration of Biomedical Equipment, October 1-26, 2018, CSIR-CSIO, Chandigarh
- "3D Vision for Biomedical Application", Short term course on Recent Trends in Biomedical Instrumentation, March 27, 2019, National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh

Dinesh Pankaj

- “Overview of Biomedical Instrumentation”, ITEC program on Management Development Programme on Operation, Maintenance & Calibration of Biomedical Equipment, October 1-26, 2018, CSIR-CSIO, Chandigarh

Dr. Sanjeev Soni

- “Nanoparticle assisted thermal therapeutics”, 1st as part of the BIOCAMP, National Symposium on Current Trends and Future Prospects in Biotechnology, November 01, 2018, University Institute of Engineering and Technology (UIET), Panjab University Chandigarh
- “Functional Materials and Instrumentation Activities of CSIO”, International Symposium on Functional Materials (ISFM-2018): Energy and Biomedical Applications, April 13-15, 2018, Chandigarh

Sanjeev Verma

- “PC based fully automatic Batch Analyser for clinical chemistry”, Management Development Program on Operation & Maintenance of Analytical Equipment, January 07, 2019 , CSIR-CSIO, Chandigarh.
- “PC based fully automatic Batch Analyser for clinical chemistry”, ITEC program on Management Development Programme on Operation, Maintenance & Calibration of Biomedical Equipment, October 1-26, 2018, CSIR-CSIO, Chandigarh

Vijay Kumar Meena

- "Additive manufacturing for biomedical implants”, Short term course on Recent Trends in Biomedical Instrumentation, March 26, 2019, National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh
- “Medical Additive Manufacturing”, 3D PrintTech, June 29, 2018, CII, Hyderabad

Workshop/Symposium/Training Attended				
Sr. No.	Name of event	Date	Place of event	Name of participants
1.	Workshop on "SWAYAM"	May 28, 2018	Punjab Engineering College (Deemed To Be University), Chandigarh	Dr. Jitendra Virmani, Sh. SK Bothra
2.	Workshop on Energy Efficiency with Implementation of Energy Efficiency Building Codes(ECBC) in Residential Building	August 01-02, 2018	Punjab Energy Development Agency (PEDA), Bureau of Energy Efficiency, Ministry of Power, GOI	Sh. Sunderlal, Sh. SK Chaudhary
3.	E-Yantra Robotics Workshop	July 05-10, 2018	Indian Institute of Technology, Bombay	Sh. Kewal Kumar
4.	Deep Learning	August 06-10, 2018	National Institute of Technical Teachers Training & Research, Chandigarh	Dr. Jitendra Virmani
5.	Pradyogiki Doordrishti	August 13-14, 2018	CSIR-Structural Engineering Research Centre, Chennai	Sh. Mange Ram
6.	Education Employment Summit	September 06, 2018	National Institute of Technical Teachers Training & Research, Chandigarh	Sh. Narinder Singh Jassal
7.	Academic Leadership Program Organised by AICTE NWRO, Chandigarh	September 08-10, 2018	National Institute of Technical Teachers Training & Research, Chandigarh	Sh. Narinder Singh Jassal
8.	Programme on Intellectual Property Rights and Related Issues	September 10-12, 2018	CSIR-HRDC, Ghaziabad	Sh. Narinder Singh Jassal
9.	Capacity Building Workshop Program	October 08-12, 2018	CSIR-HRDC, Ghaziabad	Sh. Inderjit Singh
10.	Training on DeltaV Software used for Programming. EMERSON Process Control System	December 17-21, 2018	MIPC, New Mumbai	Sh. Inderjit Singh
11.	AICTE Workshop on Approval Process 2019-20	January 14, 2019	All India Council For Technical Education Hq, New Delhi	Sh. SK Bothra
12.	North India Business Conference	March 07, 2019	CII Northern Region, Chandigarh	Sh. Sandeep Singhai Dr. Jitendra Virmani Sh. PK Manjhi Sh. Harichand Singh

13.	Expert Talk on Fit-n-Forget Solutions for Energy Saving in HVAC System	August 11, 2018	Indian Society of Heating and Air-conditioning Engineers (ISHRAE), Chandigarh	Sh. Sunder Lal
14.	Expert Talk on Motors, Transformers & Power Quality with Energy Saving	September 22, 2018	Indian Society of Heating and Air-conditioning Engineers (ISHRAE), Chandigarh	Sh. Sunder Lal
15.	Recent Advances in Organic & Bio-organic Chemistry, (RAOBC)	March 22-24, 2019	Indian Institute of Science Education and Research, Mohali	Ms. Preetismita Borah
16.	Conference on Annual General Meeting of MRSI and the Indian Materials Conclave	February 12-15, 2019	Indian Institute of Science, Bangalore	Ms. Pooja Devi
17.	Workshop on Nanomedicine	April 16, 2018	Dept. of Biotechnology, IIT, Delhi	Dr. Sanjeev Soni
18.	India Health Conclave by CEPR & society for affordable healthcare	December 21, 2018	Delhi	Dr. Amit Laddi
19.	DST-PGIMER Workshop on Innovation in Biomedical Instruments and Devices	February 13, 2019	PGIMER, Chandigarh	Dr. Amit Laddi
20.	Indo-French Workshop on Robotics for Rehabilitation (Robo-Rehab 2019) jointly organized by CSIR-CSIO, Chandigarh; Montpellier Laboratory of Computer Science, Robotics and Microelectronics (LIRMM), France; and Laboratory of Image, Signal and Intelligent System (LISSI), France	February 26-28, 2019	Hotel Shivalikview, CSIR-CSIO, Chandigarh	Sh. Arindam Chatterjee, Dr. Amit Laddi, Sh. Manjeet Singh
21.	CBME MedTech Workshop	March 07-10, 2019	IIT Ropar	Dr. Amit Laddi
22.	Photonics for Detonics		TBRL (DRDO) Ramgarh	?
23.	DST sponsored training programme on Big Data	February 11-15, 2019	C-DAC, Mohali	Sh. Virendra Kumar

24.	Training program on Electro Technical Calibration and Uncertainty in Measurements	February 21-22, 2019	ETDC, Chennai	Ms. R Geetha, Sh. Vineesh Mohan
25.	National workshop on Public Key Infrastructure : Creating Trusted Environment	January 22-23 2019	Society for Electronics Transactions and Security (SETS) and CDAC, Chennai	Sh. Mukesh Kumar, Sh. VP Anand
26.	2nd International conference on Bio resources, Energy, Environment and Materials Technology (BEEM-2018)	June 10 - 13, 2018	Gangwon Province, South Korea	Dr. Akash Deep
27.	Workshop on Strategy and Solutions for Better Health Care	February 13, 2019	Biomedical Instruments and Devices Hub, PGIMER, Chandigarh	Sh. Manjeet Singh
28.	Young Scientists' Conference - India International Science Festival 2018	October 05-06, 2018	GD Goenka Public School, Lucknow	Sh. Vikash Chandra
29.	Co-ordinated and participated as a Co-Chairman of a technical session of National Scientific & Technical Seminar organized by DRDO-DIHAR	December 2018	DRDO-SASE	Sh. Amitava Das
30.	Technologies for Solar Driven Fuel Generation	November 02, 2018	CSIR-CEERI Unit, CSIR Madras Complex	Dr. S. Prabhakaran