



Dr. Saurabh Srivastava

Assistant Professor
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As teacher, I may point out areas of the curriculum that need attention. I will be happy to get involved in departmental activities. Dedication to the work, flexibility, and the willingness to grow are the things which I will try to strive at. As researcher, my aim is to develop novel biosensing devices to detect several cancer biomarkers using nanostructured materials. I have enriched myself with a willingness to attain practical work experience from the beginning of my college life. I have keen interest in research fields to creating new innovations and solving various problems.

Fellowships/Awards

- Junior Research Fellowship-Council of Scientific and Industrial Research, India (**CSIR-JRF- NET**, June 2008)
- **Second best poster award** in India-Japan Workshop on “Biomolecular Electronics & Organic Nanotechnology for Environment Preservation” (IJWBME 2013) held during 13-15 Dec. 2013 at Delhi Technological University, Delhi, India.
- **Dr. D. S. Kothari postdoctoral fellowship** 2014, University Grant Commission, India.
- **DST INSPIRE Faculty Award** 2015, Department of Science & Technology, India

Area of Research

- Nanostructured materials (Nanoparticles, nanowires, graphene and other carbon based materials) based Biosensors

Citations:

- Google Scholar: **1942**, h-index: 25, i10-index: 39 (till 14/12/2021)
(https://scholar.google.com/citations?hl=en&user=LoWTy-oAAAAJ&view_op=list_works&sortby=pubdate)

Academics

- **Assistant Professor (Dec 2017 to till date):** Department of Applied Science & Humanities (Physics)
Rajkiya Engineering College, Ambedkar Nagar-24122, U.P.
- **DST INSPIRE Faculty (May 2015-to date):** Department of Applied Physics, Delhi Technological University, India.

- **Post-Doctorate (August 2014 –May 2015):** UGC-Dr. D.S. Kothari Postdoctoral Research Fellow, Delhi Technological University, India; Under supervision of Dr. B.D. Malhotra; Developing electrochemical sensors based on graphene based materials.
- **Ph.D. in Physics (2010-2014):** Banaras Hindu University, Varanasi, India and National Physical Laboratory, India; Course work: 444/600 (74 %); Under supervision of Dr. Anchal Srivastava and Prof. Bansi D. Malhotra, *Thesis title:* Carbon Nanomaterials for Food Toxin Detection.
- **Junior Research Fellow (2009-2010):** National Physical Laboratory, India; Under supervision of Dr. B.D. Malhotra, worked on PDMS microfluidics channel fabrication and electrochemical biosensor.
- **Master of Science (M. Sc) in Physics (2005-2007);** 65.6 %.
- **Bachelor of Science (B. Sc) (2001-2004);** 52.2%; Physics as honors and, Mathematics, and Geology as minor subjects.

Ongoing Projects

- Fabrication of low cost paper microfluidics biochip for cancer biomarker detection using graphene based nanomaterials (under **DST-INSPIRE Faculty Research Grant**, New Delhi, 2015-20, 35 Lakh)
- Ultrathin 2-D nanomaterials for heavy metal ions detection (Under **Visvesvaraya Research Promotion Scheme, AKTU**, Lucknow, Uttar Pradesh, 2019-22, 5 lakh)

R&D Experiences

- **2009 to 2014:** Junior and Senior Research Fellowship-CSIR at National Physical Laboratory, India and Banaras Hindu University, India.

Highlights

- Fabrication of Nanosensors
- Synthesis of nanomaterials
- Surface Biofunctionalization
- Fabrication for microfluidic structures
- Integration of nanomaterials in microfluidic devices
- Electrochemical and plasmonic detection

Summary: It was aimed at improving the state of art point-of-care devices by structural innovation brought in through the recent developments in nanotechnology. Explored to construct efficient nano-sensors by enabling 3 nanostructured materials for quantification of several bio-species. Explicitly, main focus was to utilize the carbon nanomaterials integrated sensors for quantification of aflatoxin b1 in solution. By varying the nanostructured materials, it was aimed to improve the sensor efficacy such as sensitivity, limit-of-detection, reproducibility and stability. To understand the nanostructural properties, surface chemistry, surface morphology and electrochemical properties of nanomaterials, I have exploited various electron microscopic, spectroscopic, and electrochemical tools. Besides this, microfluidic nanosensors based on synthesized nanoparticles, nanotubes, graphene, quantum dots etc to detect lipid profile, cholesterol and urea in human serum by electrochemical and surface plasmonic sensing methods, were also my field of interest with my collaborators.

- **August 2014 to May 2015:** *UGC Dr. D.S. Kothari Postdoctoral Research Fellow at Delhi Technological University, Delhi, India.*

Summary: *DSKPDF* is one of the prestigious postdoctoral research fellowship given to young Indian researcher by University Grant Commission, India. In this scheme, my aim was to learn several synthesis protocols for nano-materials preparation, further used them to design nanosensors. These nanosensors were tested with, food toxins and cancer biomarkers.

- **May 15, 2015 to Dec 07, 2017:** *DST INSPIRE Faculty* at Department of Applied Physics, Delhi Technological University, Delhi, India

Summary: DST INSPIRE Faculty is a highly prestigious project scheme awarded and funded by the Department of Science and Technology, India for the young researcher to perform independent research and to develop high quality scientific aptitude (http://inspire-dst.gov.in/faculty_scheme.html). In particular I have focused to develop low cost paper-microfluidics biochips for the detection of lung cancer biomarkers using nanostructured materials. These low cost devices provided several critical solutions for disease diagnostic and predicted to be extremely useful in developing country.

Research Skills:

- Electrochemical and Plasmonic Nano-Biosensors
- Conducting paper
- Conducting paper

Instrument Handling/Analyses Skills

- Raman Spectroscopy
- Electron Microscopy
- Contact Angle
- Particles Size Analyser

Journals Reviewer

- Biosensor and Bioelectronics

Book Chapters

1. Carbon Nanotube Membrane Filters, A. Srivastava, **Saurabh Srivastava**, K. Kalaga, Springer Handbook of Nanomaterials (Heidelberg ,Germany), 2013, pp 1099-111, ISBN: 3642205941
2. Potentialities of zero-dimensional carbon nanomaterials as biosensors for clinical biomarker detection, **Saurabh Srivastava**, A. Saifi, K. Arora, C. Negi, V. Chaudhary, IOP eBook, 2021 (Publication in process)

Publications in Peer Reviewed Journals

2021

1. Synthesis and fabrication of 2D Tungsten trioxide nanosheets based platform for impedimetric sensing of cardiac biomarker, D Sandil, **Saurabh Srivastava**, R Khatri, K Sharma, NK Puri, *Sensing and Bio-Sensing Research* 32 (2021), 100423

2019

2. Electrochemical hydrogen gas sensing employing palladium oxide/reduced graphene oxide (PdO-rGO) nanocomposites, K Arora, **Saurabh Srivastava**, PR Solanki, NK Puri, *IEEE Sensors Journal* 19 (2019), 8262-8271
3. Electrochemical paper based cancer biosensor using iron oxide nanoparticles decorated PEDOT:PSS, S. Kumar, M. Umar, A. Saifi, S. Kumar, S. Augustine, **Saurabh Srivastava***, and B.D. Malhotra*, Available online 8 January 2019, *Analytica Chimica Acta* (Impact factor: 5.1) (SCI).
4. Prospects of paper-based microfluidics in heavy metal ion detection using nanomaterials, A. Saifi, R.K. Chaudhari, **Saurabh Srivastava*** Accepted for publication, Nov 2018, *Sensor Letters* (Scopus indexed).

2018

5. Biofunctionalized tungsten trioxide-reduced graphene oxide nanocomposites for sensitive electrochemical immunosensing of cardiac biomarker, D. Sandil, **Saurabh Srivastava**, B.D. Malhotra, S.C. Sharma, N.K. Puri, *Journal of Alloys and Compounds*, 763, 102-110 (2018) (Impact factor: 3.133) (SCI)

2017

6. Biofunctionalized nanostructured tungsten trioxide based sensor for cardiac biomarker detection, D. Sandil, S. Kumar, K. Arora, **Saurabh Srivastava***, B.D. Malhotra*, S.C. Sharma, N.K. Puri*, *Materials Letters*, 186, 2017, 202-205 (Impact factor: 2.4) (SCI)
7. Graphene oxide-metal nanocomposites for cancer biomarker detection, Md. A. Ali, C. Singh, **Saurabh Srivastava**, P. Admane, V. V. Agrawal, G. Sumana, R. John, A. Panda, L. Dong, and B. D. Malhotra, *RSC Advances*, 7, 2017, 35982-35991 (Impact factor: 3.28) (SCI expanded).

2016

8. Antibody conjugated metal nanoparticle decorated graphene sheets for a mycotoxin sensor, **Saurabh Srivastava**, V. Kumar, K. Arora, C. Singh, Md. A. Ali, N. K. Puri and B. D. Malhotra, *RSC Advances*, 6, 2016, 56518-56526 (Impact factor: 3.28) (SCI expanded).
9. Effect of low pressure hydrogen environment on crystallographic properties of PdO nanoparticles, K. Arora, D. Sandil, G. Sharma, **Saurabh Srivastava**, N. K. Puri, *International Journal of Hydrogen Energy*, 47, 2016, 22155-22161 (Impact factor: 3.5) (SCI)
10. Highly sensitive protein functionalized nanostructured hafnium oxide based biosensing platform for non-invasive oral cancer detection, S. Kumar, S. Kumar, S. Tiwari, S. Augustine, **Saurabh Srivastava**, B. K. Yadav, B. D. Malhotra, *Sens. Actuators B*, 235, 2016, 1-10 (Impact factor: 4.75) (SCI)

11. Electrospun functional micro/nanochannels embedded in porous carbon electrodes for microfluidic biosensing, Mondal, K., Ali, M. A., **Srivastava, S.**, Malhotra, B. D., & Sharma, A. *Sensors and Actuators B: Chemical* 229, 2016, 82-91 (Impact factor: 4.75) (SCI)
12. Mesoporous few-layer graphene platform for affinity biosensing application, Ali, M. A., Singh, C., Mondal, K., **Srivastava, S.**, Sharma, A., & Malhotra, B. D., *ACS applied materials & interfaces*, 8(12), 2016, 7646-7656 (Impact factor: 7.1) (SCI)
13. A biofunctionalized quantum dot–nickel oxide nanorod based smart platform for lipid detection, Ali, M. A., **Srivastava, S.**, Agrawal, V. V., Willander, M., John, R., & Malhotra, B. D., *Journal of Materials Chemistry B*, 4(15), 2016, 2706-2714 (SCI)

2015

14. Protein conjugated carboxylated gold@ reduced graphene oxide for aflatoxin B1 detection, **Saurabh Srivastava**, S. Abraham, C. Singh, Md A. Ali, A. Srivastava, G. Sumana, and Bansi D. Malhotra. *RSC Adv.* 5, 2015, 5406-5414 (Impact factor: 3.28) (SCI expanded)
15. Reduced graphene oxide modified smart conducting paper for cancer biosensor, S. Kumar, S. Kumar, **Saurabh Srivastava**, B.K. Yadav, S.H. Lee, J.G. Sharma, D.C. Doval, B.D. Malhotra, *Biosens Bioelectron*, 73, 2015, 114-122 (Impact factor: 7.47) (SCI)
16. Protein Functionalized Carbon Nanotubes-based Smart Lab-on-a-Chip, Md. A. Ali, P.R. Solanki, **Saurabh Srivastava**, S. Singh, V. V. Agrawal, R. John, and B.D. Malhotra, *ACS Appl. Mater. Interfaces*, 7, 2015, 5837–5846 (Impact factor: 7.1) (SCI)
17. Tyrosinase conjugated reduced graphene oxide based biointerface for bisphenol A sensor, K.K. Reza, Md. A. Ali, **Saurabh Srivastava**, V.V. Agrawal, A.M. Biradar, *Biosens Bioelectron*, 74, 2015, 644-651 (Impact factor: 7.47) (SCI)
18. Mediator-free biosensor using chitosan capped CdS quantum dots for detection of total cholesterol, H. Dhyani, Md A. Ali, S. P. Pal, **Saurabh Srivastava**, P. R. Solanki, B.D. Malhotra, P. Sen, *RSC Advances*, 5, 2015, 45928-45934 (Impact factor: 3.28) (SCI expanded)
19. Biofunctionalized Nanostructured Zirconia for Biomedical Application: A Smart Approach for Oral Cancer Detection, S. Kumar , S. Kumar , S. Tiwari , **Saurabh Srivastava**, M. Srivastava , B.K. Yadav, S. Kumar , T.T. Tran, A. K. Dewan , A. Mulchandani , J.G. Sharma , S. Maji and B.D. Malhotra, *Advanced Science*, 2, 2015, 1500048 (Impact factor: 6) (SCI expanded).

2014

20. Graphene oxide based biosensor for food toxin detection, **Saurabh Srivastava**, Md. A. Ali, S. Umrao, U. Parashar, A. Srivastava, G. Sumana, S. S. Pandey, S. Hayase, B. D. Malhotra, *Applied Biochemistry and Biotechnology*, 174, 2014, 960-970 (Impact factor: 1.6) (SCI)
21. A surface functionalized nanopore titania integrated microfluidic biochip, Md. A. Ali, **Saurabh Srivastava**, K. Mondal, P. M. Chavhan, V. V. Agrawal, R. John, A. Sharma and Bansi D. Malhotra, *Nanoscale*, 6, 2014, 13958-13969 (Impact factor: 7.76) (SCI)
22. Reduced graphene oxide–titania based platform for label-free biosensor, P. R. Solanki, **Saurabh Srivastava**, Md. A. Ali, R. K. Srivastava, A. Srivastava and B. D. Malhotra, *RSC Adv.* 4, 2014, 60386—60396 (Impact factor: 3.28) (SCI expanded).
23. Chitosan-modified carbon nanotubes-based platform for low-density lipoprotein detection, Md. A. Ali, N. Singh, **Saurabh Srivastava**, V. V. Agrawal, R. John, M. Onoda, and Bansi D. Malhotra. *Applied biochemistry and biotechnology*, 174, 2014, 926-935 (Impact factor: 1.6) (SCI)
24. Nanomaterials Based Biosensors for Food Toxin Detection, B. D. Malhotra, **Saurabh Srivastava**, Md. A. Ali, C. Singh, *Applied Biochemistry and Biotechnology*, 174, 2014, 880-896 (Impact factor: 1.6) (SCI)

25. Protein-conjugated quantum dots interface: Binding kinetics and label-free lipid detection, Md. A. Ali*, **Saurabh Srivastava***, M. K. Pandey, V. V. Agrawal, R. John and B. D. Malhotra, *Analytical Chemistry*, 86, 2014, 1710–1718 (Impact factor: 5.88) (*Equal contribution) (SCI)
26. Nanostructured palladium-reduced graphene oxide platform for high sensitive, label free detection of a cancer biomarker, V. Kumar, **Saurabh Srivastava**, S. Umrao, R. Kumar, G. Nath, G. Sumana, P. S. Saxena, A. Srivastava, *RSC Advances*, 4, 2014, 2267-2273 (Impact factor: 3.28) (SCI expanded).
27. Biofunctionalized carbon nanotubes platform for biomedical applications, K. K. Reza, **Saurabh Srivastava**, S. K. Yadav and A. M. Biradar, *Materials Letters*, 126, 2014, 126-130 (Impact factor: 2.4) (SCI)
28. Lipid-lipid interactions in aminated reduced graphene oxide interface for biosensing application, Md. A. Ali, K. Reza, **Saurabh Srivastava**, V. V. Agrawal, R. John and B. D. Malhotra, *Langmuir*, 30, 2014, 4192–4201 (Impact factor: 3.99) (SCI)
29. Mesoporous silica particle embedded functional graphene oxide as an efficient platform for urea biosensing, S. Abraham, V. Ciobota, **Saurabh Srivastava**, S. K. Srivastava, R. K. Singh, J. Dellith, B.D. Malhotra, M. Schmitt, J. Popp and A. Srivastava, *Analytical Methods*, 6, 2014, 6711-6720 (Impact factor:1.9) (SCI expanded).

2013

30. Electrophoretically deposited reduced graphene oxide platform for food toxin detection, **Saurabh Srivastava**, V. Kumar, Md. A. Ali, P. R. Solanki, A. Srivastava, G. Sumana, P. S. Saxena, A. G. Joshi, B. D. Malhotra, *Nanoscale*, 5, 2013, 3043-51 (Impact factor: 7.76) (SCI)
31. Mediator-free microfluidics biosensor based on titania-zirconia nanocomposite for urea detection, **Saurabh Srivastava**, Md. A. Ali, P. R. Solanki, P. M. Chavhan, M. K. Pandey, A. Mulchandani, A. Srivastava, B. D. Malhotra, *RSC Advances*, 3, 2013, 228-235 (Impact factor: 3.28) (SCI expanded).
32. Carboxylated multiwalled carbon nanotubes based biosensor for aflatoxin detection, **Saurabh Srivastava**, C. Singh, Md. A. Ali, T. K. Gupta, G. Sumana, A. Srivastava, R. B. Mathur and B. D. Malhotra, *Sensors & Actuators B*, 185, 2013, 258–264 (Impact factor: 4.75) (*Equal contribution) (SCI)
33. Highly efficient bienzyme functionalized nanocomposite-based microfluidics biosensor platform for biomedical application, Md. A. Ali, **Saurabh Srivastava**, P. R. Solanki, V. Reddy, V. V. Agrawal, C. G. Kim, R. John and B. D. Malhotra, *Scientific Reports*, 3, 2013, 2661 (Impact factor: 5.2) (SCI)
34. Magnesium oxide grafted carbon nanotubes based impedimetric genosensor for biomedical application, M. K. Patel, Md. A. Ali, **Saurabh Srivastava**, V.V. Agrawal, S. G. Ansari and B. D. Malhotra, *Biosensors and Bioelectronics*, 50, 2013, 406–413 (Impact factor: 7.47) (SCI)

2012

35. Functionalized multilayered graphene platform for urea sensor, R.K. Srivastava, **Saurabh Srivastava**, T.N. Narayanan, B. D. Malhotra, R. Vajtai, P. M. Ajayan, A. Srivastava, *ACS Nano*, 6, 2012, 168-175 (Impact factor: 13.33) (SCI)
36. Nanostructured anatase-titanium dioxide based platform for application to microfluidics cholesterol biosensor, Md. A. Ali, **Saurabh Srivastava**, P. R. Solanki, V. V. Agrawal, R. John, B. D. Malhotra, *Applied Physics Letters*, 101, 2012, 084105 (Impact factor: 3.14) (SCI)

2011

37. A self assembled monolayer based microfluidic sensor for urea detection, **Saurabh Srivastava**, P. R. Solanki, A. Kaushik, Md. A. Ali, A. Srivastava, B. D. Malhotra, *Nanoscale*, 3, 2011, 2971-2977 (Impact factor: 7.76) (SCI)

2010

38. A novel urea biosensor based on zirconia, G. Sumana, M. Das, **Saurabh Srivastava** and B. D. Malhotra, *Thin Solid Films*, 519, 2010, 1187–1191 (Impact factor: 1.76) (SCI)

Conference Papers

1. Fabrication of nanocrystalline CdS electrode via chemical bath deposition technique for application to cholesterol sensor, H. Dhyani, **Saurabh Srivastava**, A. Ali, B.D. Malhotra and P. Sen, *Journal of Physics: Conference Series*, 358, 2012, 012008
2. Biosensors for food toxin detection: carbon nanotubes and graphene, B.D. Malhotra, **Saurabh Srivastava**, S. Augustine, Mater. Res. Soc. Symp. Proc., 1725, 2015, DOI: 10.1557/opl.2015.165
3. Biosensors for food toxin detection: Carbon nanotubes and graphene, BD Malhotra, **Saurabh Srivastava**, S Augustine, MRS Online Proceedings Library (OPL) 1725 (2015)

Conferences/Workshops/FDP

1. **Saurabh Srivastava**, P. R. Solanki, A. Kaushik, A. Srivastava and B. D. Malhotra, A self - assembled monolayer based biosensor for urea detection, *India Japan Workshop on "Biomolecular electronics & Organic Nanotechnology for Environment Preservation" (IJWBME 2009)*, 17-20 Dec. 2009, National Physical Laboratory, New Delhi, India (Poster presentation)
2. **Saurabh Srivastava**, Md. A. Ali, P. R. Solanki, P. M. Chavhan, M. K. Panday, A. K. Mulchandani, A. Srivastava and B. D. Malhotra, Sol-gel derived nanocomposite based mediator-free microfluidic sensor for urea detection, *National symposium on Nanobiotechnology (NSNT-2012)*, 1-2 June 2012, IIT Mandi, Himachal Pradesh, India (Poster presentation)
3. **Saurabh Srivastava**, G. Sumana, A. Srivastava and B. D. Malhotra, Carboxylated multiwalled carbon nanotubes based biosensor for food toxin detection, *National Seminar on Physics and Technology of Sensors (NSPTS-2013)*, 11-13 March 2013, Jamia Milia Islamia, New Delhi, India (Poster presentation)
4. **Saurabh Srivastava**, Md. A. Ali, S. Umrao, A. Srivastava, G. Sumana and B. D. Malhotra, Graphene oxide based biosensor for food toxin detection, India Japan Workshop on "Biomolecular Electronics & Organic Nanotechnology for Environment Preservation" (IJWBME 2013), 13-15 December 2013, Delhi Technological University, Delhi, India (Poster presentation)
5. **Saurabh Srivastava**, S. Abraham, C. Singh, Md. A. Ali, A. Srivastava, G. Sumana and B. D. Malhotra, Highly sensitive reduced graphene oxide supported gold nanoparticles platform for food toxin detection, 7th One Day Conference on Recent Trends in Research-2014, Feb. 18, 2014, Department of Physics, Banaras Hindu University, Varanasi, India (Oral Presentation)
6. **Saurabh Srivastava**, Saurabh Kumar, Md. Umar and Bansi D. Malhotra, Electrochemical paper based cancer biosensor using nanostructured metal oxide decorated PEDOT:PSS, International conference on functional nanomaterials, 22-25 Feb 2019, Department of Physics, IIT (BHU), Varanasi (Poster presentation).
7. 10th national conference on solid state chemistry and allied areas (ISCAS 2017), department of applied physics, delhi technological university, 1-3 July 2017 (chaired session and organizing committee member).
8. One week Faculty development program on Essential on teaching-learning process and research methodology, 04-08 Feb 2019, Department of Electrical Engineering, Rajkiya Engineering College Ambedkar Nagar (U.P.) during (Successfully completed).
9. Organized One week national workshop on Development of soft skills (MATLAB, LATEX & MATHEMATICA), 25-29 Mar 2019, Department of Applied Science and Humanities, Rajkiya Engineering College Ambedkar Nagar (U.P.) (Coordinator).

10. TEQUIP II sponsored faculty development programme on advances in microelectronics and plasma diagnostics, department of applied physics, delhi technological university, 29 Aug-02 Sep, 2016 (Successfully completed).
11. One day national seminar on frontiers in applied science and technology (FAST-2016), department of applied physics, delhi technological university, 22 mar 2016 (Participated)
12. *Work shop on Material Characterization Techniques*, CSIR-National Physical Laboratory, New Delhi, India, 13-17 July 2009 (Successfully completed).
13. Training webinar on Wiley Online Library, for the users of AKTU- Nalanda eResource Consortium, 23/06/2021, organised by Rajkiya Engineering College Ambedkar Nagar.
14. Webinar on "Decoding Entrepreneurship: Journey from Student to Entrepreneur" Under the Aegis of Dr. A. P. J. Abdul Kalam Technical University, Lucknow, 18/06/2021, organised by Rajkiya Engineering College Ambedkar Nagar.
15. 5-day online Faculty Development Program on Universal Human Values for Deeksharambh (student induction program), 21-25 September 2020, organised by Department of Mechanical Engineering, NIT Patna. (Participated)
16. National Conference on Computational and Characterization Techniques in Engineering & Sciences (CCTES-19) by the Department of Applied Science and Humanities , On 06-07 September 2019 at REC Ambedkar Nagar (Session chair)
17. "SummitConnect" jointly organized by SPIU-Uttar Pradesh and SPIU-Karnataka in association with BMS College of Engineering and Dr. Ambedkar Institute of Technology, Bangaluru, on 08th & 09th November 2019. (Participant)
18. Workshop on "Problem based learning and Project based learning" conducted on 18th February 2020 at Hotel Madin, Varanasi, UP jointly organized by the State Project Implementation Unit-UP & REC Azamgarh, UP. (Participant)
19. Successfully completed Productivity Enhancement Program (PEP) of Vyakti Vikas Kendra held under TEQIP-III at REC Ambedkar Nagar from 17/12/2019 to 22/12/2019.
20. Training programme on "Leadership challenges in Digital Transformation" organized by National Productivity Council during 14-18 October 2019, Gangtok.
21. Invited Talk on Functionalized Nanomaterials for Biosensing Applications, dated 07 September 2019, in a National Conference on Computational and Characterization Techniques in Engineering & Sciences (CCTES-19) organized by the Department of Applied Science and Humanities at REC Ambedkar Nagar.

MooCs/Swayam courses

1. Successfully completed Module 1: Orientation towards Technical Education & Curriculum Aspects; Module 2: Professional ethics and sustainability; Module 3: Communication Skills, Modes and Knowledge Dissemination, Module 4: Instructional Planning and Delivery; Module 5: Teaching enabled learning and life long self learning; Module 7: Creative problem solving Innovation and meaning R & D; Module 8: Institutional management & administrative procedures of NITTT course.
2. Successfully completed SWAYAM 8 week AICTE approved FDP course on Introduction to Statistical Mechanics, Aug-Oct 2019.

Reviewer / editorial board member

1. Journal of Luminescence (Elsevier), served as a reviewer
2. Journal of Molecular Structure (Elsevier), served as a reviewer

3. Electrophoresis Journal (Wiley), as a reviewer

References

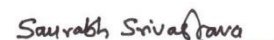
1. **Prof. B. D. Malhotra**
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3. **Dr Gajjala Sumana**, Senior Scientist, Biomedical Instrumentation Section, CSIR-National Physical Laboratory, Dr. K.S. Krishnan Marg, New Delhi-110012, Email: sumanagajjala@gmail.com, Phone No: + 91-1145602439, Mobile +91- 9999918718
4. **Dr. Vishal Singh Chandel**, Professor
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Declaration

I declare that the information furnished above is true & correct to the best of my knowledge and belief, and that no related information is concealed.

Dated: 14, Dec, 2021

Place: Ambedkar Nagar, Uttar Pradesh



(Saurabh Srivastava)