

CURRICULUM VITAE



Name : **Prof Sanjeev Kumar Trivedi**
Father's Name : Late G.K Trivedi
Date of Birth : 25-10-1982
Present Designation : Professor in Department of Electronics & Communication of Applied Sciences and Humanities, Faculty of Engineering and Technology Khwaja Moinuddin Chishti Language University
Educational qualification : M.Sc., M. Tech., Ph.D., D.Sc.
Papers Published in Journals : 19
Papers presented in Conference/Symposia : 26
Books Published : 06
Research specialities : Nanomaterial, Material Science, Molecular Biology, Sista, Gaussian 5.0, Avogadro, Cluster Technology
Research guided : Ph.D. (Awarded) – 02
: Ph.D. (Undergoing) – 01
Projects : 01(S.C.R.)
Communication Address : Department of Electronics, Faculty of Engineering and Technology, Khwaja Moinuddin Chishti Language University, Lucknow, U.P (India) 226013
Permanent Address : H. No. 342/27, Naubasta, Lal School, Lucknow–226003
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FACULTY POSITION:

Professor : Department of Electronics, Faculty of Engineering and Technology, Khwaja Moinuddin Chishti Language University, Lucknow, U.P (India) 226013 Lucknow)

RESEARCH SPECIALIZATION:

1. Electronics (S.C.R)
2. Quantum Mechanics (Molecular Biology)
3. Specialised in GAUSSIAN5.0, AVOGADRO, CLUSTER, SIESTA, N.M.R

LIFE MEMBERSHIP OF ACADEMIC AND SCIENTIFIC ORGANIZATIONS:

1. Life Member of Indian Science Congress Association.
2. International Journal of Engineering & Management Science.

PATENT:

1. Machine learning based smart wearable device for continuous health monitoring of pregnant women (application no.202141035817 a), (publication date: 13/08/2021).
2. Artificial neural networks based optical control of smart grids(amcz-2110322397); (30/07/2021).
3. Artificial Intelligence based Nerve Activation Device of Health Care Treatment (application no. 353917-001), (publication date: 29/11/2021).
4. A Smart farming System and Methods using Artificial Intelligence (application no. 202141054863), (publication date: 29/11/2021).

RESEARCH PAPERS PUBLISHED:

1. Humidity Sensing behavior on Cr – PET (polyester) fiber- doped ZnO nanostructures *The Journal of the Textile Institute Taylor & Francis*, Oct 2021 - Available at <https://doi.org/10.1080/00405000.2021.1984687>.
2. Ethyl(S)-(-)-4-chloro-3-hydroxybutyrate Study by D.F.T ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887 Volume 7 Issue I, Jan 2019- Available at www.ijraset.com.
3. Study of vibrational spectra of (R)-(+)- methylsuccinic by D.F.T © 2018 JETIR December 2018, Volume 5, Issue 12 www.jetir.org (ISSN-2349-5162).
4. The Application of Carbon Nano Tubes-The Paper Battery ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887 Volume 6 Issue XII, Dec 2018- Available at www.ijraset.com.
5. A Vibrational and DFT Study of (R)-(-)-2 Pyrrolidinemethanol ISSN: 2321-9653; IC Value:45.98; SJ Impact Factor: 6.887 Volume 6 Issue XII, Dec 2018- Available at www.ijraset.com.
6. An Experiment to Confirm the Validity of Statistical Physics Result of “CONONICAL ENSEMBL ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887 Volume 6 Issue XII, Dec 2018- Available at www.ijraset.com.
7. Comparative Study on Structural and Electronics Properties of Boron and Boron Nitride Nanodics ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 6.887 Volume 6 Issue XI, Nov 2018- Available at www.ijraset.com.

8. Nanotechnology and Nano computing Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor:6.887 Volume 5 Issue X, October 2017- Available at www.ijraset.com
9. A Theoretical Studies of 2-(4-bromophenyl)-2-(4chlorophenylamino) acetonitrile by density functional theory ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor:6.887 5, 2017- Available at www.ijraset.com 701©IJRASET www.ijraset.com.
10. Theoretical Study of (RS) - (4-BROMOPHENYL) (PYRIDINE-2YL) International Journal of Physics and Research (IJPR) ISSN (P): 2250-0030; ISSN (E): 2319-4499 Vol. 7, Issue 4, Oct 2017, 15-22 © TJPRC Pvt. Ltd.
11. Theoretical Study of (RS)-(4-chlorophenyl) (pyridine-2yl) methanol using Density Functional Theory International Research Journal of Engineering and Technology (IRJET) e-ISSN: 23950056 Volume: 04 Issue: 09 | Sep -2017 www.irjet.net p-ISSN: 2395-0072.
12. AB Initio Study of (ZrB₂)_n(n=1-4) ISSN:2321-9653; ICValue:45.98; SJ Impact Factor:6.887 Volume 5 Issue XI November2017-Availableatwww.ijraset.com.
13. Density Functional Studies of 2-(4-bromophenyl)-2(4-fluorophenylamino) acetonitrile International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064 Index Copernicus Value (2015): 78.96 | Impact Factor (2015): 6.391
14. Theoretical Study of (RS)-(4-fluorophenyl) (pyridine-2yl) methanol using Density Functional Theory International Journal of Science and Research (IJSR) ISSN (Online): 2319-7064 Index Copernicus Value (2015): 78.96 | Impact Factor (2015): 6.391.
15. Vibrational analysis of two narcotic compounds: codeine and morphine. A comparative- DFT- study (1) Der Pharma Chemica, 2011, 3 (3): 427- 44 (<http://derpharmachemica.com/archive.html>) ISSN 0975-413X CODEN (USA): PCHHA.
16. Vibrational spectra and assignment of 3-(2-Nitrophenoxy) phthalonitrile by Ab initio Hartree- Fock and Density Functional Methods Der Pharma Chemica,2010, 2(4):342-360 (<http://derpharmachemica.com/archive.html>) ISSN0975-413X.
17. Comparative vibrational spectroscopic investigation of benzonitrile derivatives using density functional theory, *Der Pharma Chemica*; 2009, 1: 196-209.

CHAPTER PUBLISHED IN PROCEEDING OF INTERNATIONAL CONFERENCE/BOOK CHAPTERS

- 1- Simulations of minerals by using the DFT Based on Atomic orbitals for linear scaling in recent Trends in Science, Agriculture, Technology and Managements(volume-II) on Page no -78 with ISBN:978-81-935728-5-6.

BOOKS PUBLISHED

1. A Text Book of Practical Physics (ISBN-978-93-82462-85-9).
2. A Text Book of Fundamental Electronics (ISBN-978-93-82462-86).
3. Environmental Studies & Rashtra Gaurav (MCQ Based) (ISBN-978-81- 922944-8-5).
4. OPTICS Based (1000 MCQs & Answers) (ISBN-978-81-922944-1-3).
5. A Text Book of Digital Electronics, Under Process in Press-Rapid Publication.
6. A Text Book of Microwave Engineering, Under Process in Press-Rapid Publication.

CONFERENCES & SEMINARS

1. National Conference on Computational and Characterization Techniques in Engineering & Science (CCTES-19) sep, 06-07, 2019 Dept of Applied Science and Humanities Rajkiya Engineering College Ambedkar Nager.
2. 1st National Conference on Nano Materials and Nano Technology (08th -10th December 2007) Department of Physics, Lucknow University, Lucknow.
3. Seminar On Frontiers of Spectroscopy SFS-2008 (10-11 November 2018).
4. 2nd National Conference on Nano Materials and Nano Technology (21st -23rd December 2009) Department of Physics, Lucknow University, Lucknow.
5. Meghnad Saha Memorial Symposium on Emerging Trends In Laser & Spectroscopy & Application 2009, During March 23-25,2009 Department Of Physics, Allahabad University, Allahabad.
6. 4th National Conference on Nano Materials and Nano Technology (21st -23rd December 2011) Department of Physics, Lucknow University, Lucknow.
7. National Workshop on Recent advances in Materials Science (NWRAMS- March 15th - 16th, 2013) Department of Physics, Lucknow University, Lucknow.
8. International Seminar on advances in Bio & Nano Material (17th Nov-2013) Department of Physics, Lucknow University, Lucknow.
9. One Day Training Program on Biodiversity & its Conservation (27th March 2014) Lucknow University, Lucknow.
10. National Service Scheme Lucknow University, Lucknow Orientation Workshop 23rd - 24th Sep 2014.
11. Empanelled Training Institute (E.T.I) NSS Training Programme Officer 25-11-

- 2014 to 01-12-2014.
12. One Day Training Program on Biodiversity & its Conservation (7th Dec 2014) Lucknow University, Lucknow.
 13. National Seminar on Jal Evam Swachhata manch Utter Pradesh Lucknow, (24th to 25th March 2015) Lucknow University, Lucknow.
 14. Medha Learning Foundation and NSS University of Lucknow (27th Aug-2015).
 15. National Service Scheme Lucknow University, Lucknow (23/09/2015 to 24/09/2015).
 16. Youth Engagement in Building Stigma Free Society Against HIV/AIDS 1st Dec-2015,) Lucknow University, Lucknow.
 17. One Day National Workshop on MATLAB & Phonic Crystals 20th Feb 2016, organized by Spectrum, Dept of Physics at Integral University, Lucknow.
 18. International Seminar on Present Scenario & Future Prospective of Research in Engineering & Science (ISPSFPRES-17) on Jan 21st ,2017 at Integral University, Lucknow- INDIA.
 19. National Conference on Resent Advances and Innovation in Chemical & Material Science -RAKMS-2017, 23rd& 24th Feb-2017 DRSMNRU, University Lucknow.
 20. University Grant Commission (HRDC) Refresher Course 4th to 25th July-2017 at Lucknow University, Lucknow. Reg No-4261.
 21. Youth Friendly Health Services 31st Oct 2017 to 6th Nov 2017 at Lucknow University, Lucknow.
 22. Facilitator Development Workshop 12th Feb to 16th Feb 2018 organized by National Service Scheme, at Lucknow University, Lucknow.
 23. Indian International Science Festival 2018 (5th-8th Oct 2018) Indira Gandhi Pratishthan
 24. MHRDC Regional Workshop on Research Based Pedagogical tool held in HRDC Integral University Lucknow (23rd to 25th Oct 2018).
 25. Human Resource Development control (HRDC) Lucknow University, Lucknow Orientation Programme 130 From 22nd Oct to 20th Nov 2018. Reg No 3880.
 26. ICAN-2019 (1st International Conference on Advances in Nanomaterial and Devices for Energy and Environment ABV-IIITM Gwalior / 27th – 29th Jan 2019.

INVITED LECTURES

1. Data Science and Cyber Security on 13/07/2021 in DSMRNU, Lucknow
2. Graphane and Nano Technology on 15/07/2021 in DSMRNU, Lucknow
3. Superconductivity on 19/07/2021 in DSMRNU, Lucknow

4. Carnet's Cycles and its Applications on 03/08/2021 in DSMRNU, Lucknow
5. Fundament of Nuclear Particles on 09/08/2021 in DSMRNU, Lucknow

ADMINISTRATIVE/ EXAMINATION/ ADMISSION RESPONSIBILITIES

1. Additional Controller of Examination from 25 Sep 2020 in KMCLU, Lucknow.
2. Nodal Coordinator of E-Content from 23 Sep 2020 in KMCLU, Lucknow.
3. Director of Engineering & Technology from 17 Sep 2020 in KMCLU, Lucknow.
4. H.O.D Department of Electronics & Communication from 17Sep 2020 in KMCLU, Lucknow.
5. Assistant Superintendent of Entrance Exam of UPSEE- on 20 Sep 2020 in KMCLU, Lucknow.
6. Observer For National Testing Agency (NTA) in NEETU G Exam 13 Sep- 2020 MJRPR Ashram Paddhati Vid Mohaan RD at Lucknow.
7. Superintendent U.G. Annual Sem Examination 2019-2020 (Conduct of Arts & Commerce), KMCLU, Lucknow.
8. Statistic Magistrate in BEO of UPSC Allahabad Exam 16 Aug 2020 in Lucknow.
9. Centre superintendent of B.Ed. Entrance Exam 9 Aug 2020 in KMCLU, Lucknow.
10. In charge Faculty of Engineering and Technology 28 July 2020 KMCLU, Lucknow.
11. Statistic Magistrate in Clerk Exam UPSC on 24 Dec 2019 at Lucknow.
12. Observer in BHU Recruitment Test on22 Sep 2019 at Lucknow.
13. Observer For CTET Exam 7th July 2019 at Kanpur.
14. Observer For National Testing Agency (NTA) in UGCNET Dec-2018atLucknow.
15. Observer For UGC NET Exam, 6th May 2018 at Kanpur.
16. Observer For UGC NET Exam, 8th July 2018 at Allahabad.
17. Program officer of N.S.S. (2014-2018), Lucknow University, Lucknow.
18. Observer For KVS Recruitment Exam 2018 at Allahabad.
19. Observer For CTET Exam 2018 at Allahabad.
20. Observer For JEE Exam, 8- April 2018 at Kanpur.
21. Observer For JEE B.Ed. Exam, 3rd May 2017 at Lucknow.
22. Observer For UGC NET Exam, 7th May 2017 at Varanasi.
23. Observer For UGC NET Exam, 5th Nov 2017 at Allahabad.
24. Observer For CBSE NCR FOR JEE MAINS, 1st April 2017 at Varanasi.
25. Observer For CBSE NCR FOR NEET, 7th May 2017 at Varanasi.
26. Observer For JEE B.Ed., 3rd May 2017 at Lucknow.
27. Observer For UGC NET Exam, 22nd Jan 2017 at Lucknow. City Representative U.P B.Ed. Entrance Exam 2016 at Kanpur.
28. Superintendent BAMS, BUMS, and MCA examination, June 2016 (Conduct and Processing, Evaluation and Result), Lucknow University, Lucknow.

29. Superintendent P.G. Examination (Nutrition and Zoology) 2016 (Conduct and Processing, Evaluation and Result), Lucknow University, Lucknow.
30. Observer For CTET Exam 18th Sept 2016 at Lucknow.
31. Observer For AIPMT, 1st May 2016 at Varanasi.
32. Observer For UGC NET Exam, 10th July 2016 at Allahabad.
33. Superintendent P.G. Examination (Nutrition and Agriculture) 2014, 2015 (Conduct and Processing, Evaluation and Result), Lucknow University, Lucknow.
34. Asst. Superintendent U.G. Annual Examination 2014 (Conduct and Processing of Arts), Lucknow University, Lucknow.
35. Asst. Superintendent U.G. Annual Examination 2013 (Conduct and Processing of Science and Commerce), Lucknow University, Lucknow.
36. Asst. Superintendent U.G. Back Paper Examination 2013 (Conduct and Processing of Science and Commerce), Lucknow University, Lucknow.
37. Superintendent U.G. Examination 2012 (Evaluation and result of Science and Commerce), Lucknow University, Lucknow.
38. Asst. Superintendent U.G. Examination 2011 (Conduct and Processing of Science and Commerce), Lucknow University, Lucknow.
39. Superintendent U.G. Back Paper Examination 2011 (Evaluation of Science and Commerce), Lucknow University, Lucknow.
40. Superintendent U.G. Examination 2010 (Evaluation of Science and Commerce), Lucknow University, Lucknow.
41. Superintendent U.G. Back Paper Examination 2010 (Evaluation of Science and Commerce), Lucknow University, Lucknow.
42. Superintendent U.G. Examination 2009 (Evaluation of Science and Commerce), Lucknow University, Lucknow.
43. Superintendent U.G. Back Paper Examination 2009 (Conduct and Processing of Arts), Lucknow University, Lucknow.

EDITORIAL BOARD MEMBER

1. AJANTA' UGC Approved International Multidisciplinary Peer Reviewed Referred Research Journal with impact Factor 5.5(ISSN-22775730) S.L-2835 Journal No 40776.
2. International Journal of Management Science (IJEMS); ISSN (Print);2229- 6425; ISSN(Online);2229-600X”.

ORGANISED SEMINAR/ CONFERENCES/ WORKSHOPS/ TRAINING

1. A Multi-Disciplinary National Workshop on Identification & Selection of Problem for Research 3rd March 2019 Auditorium 8th Shatabdi Phase -II KGMC, Lucknow (U.P)- India.
2. A Multi-Disciplinary National Seminar on Ethics in Research in the Era of Digitalization 28th April 2019 at Gautam Buddha Degree College, Lucknow.
3. National conference on computational and Techniques in Engineering & Science (CCTES-19) September 06-07, 2019 Organized by Department of Applied Science and Humanities Rajkiya Engineering College Ambedkar Nager.
4. Two days International Conference on Resent Trends in Science, Technology, Agriculture and Management (RSTAM-2019) 20-21 October, 2019 by FDDI Ministry of Commerce & Industry, Govt. of India.
5. International Multi-Disciplinary Workshop on Enhancing Research Objectives Writing Skill On 23rd February 2020 at K.M.C.U.A-F. University, Lucknow

AWARDS

- 1- Scientist of the Year Award in International Conference by (RSTAM) 20th& 21st October, 2019 at FDDI Fursatganj, Amethi U.P, India.
- 2- Young Innovative Educationist Award by Glocal Environment & Social Association (GESA) on 22nd& 23rd Dec, 2019 at Harcourt Butler Technical University (HBTU) Kanpur.
- 3- Samrasta Award by Indo-Nepal Samrasta Organization on 26 Dec, 2019
- 4- International Best Researcher Award by International American Council for Research & Development (ICARD) on 29 Dec, 2019 at orchard Street, A Urbana Illinois-61801, United States of America.

Date:
Place: Lucknow

Signature



Prof. Sanjeev Kumar Trivedi