

# CURRICULUM VITAE

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**Date of Birth** : 20/01/1981  
**Date of Joining** : 06/08/2020  
**Research Experience** : 12 Years

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## **AREA OF RESEARCH INTEREST:**

Nanoscience and Nanotechnology, Nano-catalysis, Gas Sensing, Electrochemistry and Renewable Energy.

## **ACADEMIC QUALIFICATIONS:**

- **Ph.D.** (Chemistry) entitled, “*Synthesis, Characterization and Dielectric Properties of Ceria and Titania Based Ceramic Nano-composites*” from **JMI, New Delhi** (A Central University), India (2018).
- **Master of Science** (Chemistry) from **IIT Roorkee, Roorkee**, India 2003 (Physical Chemistry).
- **Bachelor of Science** (Chemistry, Zoology & Botany) from CCS University, Meerut, India (2001).
- **Intermediate** from K. L. D. A. V. Inter College, Roorkee, India (1998)
- **High school** from B. S. M. Inter College, Roorkee, India (1995).

## **ACHIEVEMENTS AND AWARDS:**

- Qualified CSIR-UGC U-SET in 2013
- Qualified CSIR-UGC NET in 2014 (AIR 36)
- Best poster presentation award (rank 3) in one day seminar (RAC-2014) at Department of Chemistry, Jamia Millia Islamia (New Delhi) India.
- Best poster presentation award (rank 3) in one day seminar (RAC-2016) at Department of Chemistry, Jamia Millia Islamia (New Delhi) India.

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## RESEARCH PAPERS IN PEER REVIEWED CITED JOURNALS:

S. N.	Research Paper
15.	A Sustainable Method for Integrating Green technology into Wastewater Bioremediation Using Algae, A K Priya, R Gomathi, <b>Mohd Shahazad</b> , Kuldeep Sharma, Ashok Kumar, Khursheed Muzammil, Muhammad Imran, Mohammad Ilyas, Mohd Arif, <b>Journal of Environmental Chemical Engineering</b> , [Submitted] 2024 {IF=7.1}
14.	Sustainable Hydrogen Production from Waste of Expired Breads Through Supercritical Water Gasification, T Sathish, Indradeep Kumar, Megha Kulkarni, R Sankar Ganesh, P Naresh Kumar Reddy, Abdullah M Al-Enizi, Bidhan Pandit, Manish Gupta, <b>Mohd Shahazad</b> , Mohammad Yusuf, <b>International Journal of Hydrogen Energy</b> , [In Press] 2024 {IF=8.1}
13.	Surface Properties Enhancements by Optimizing Synthesizing Parameters of AA8026+ Zr <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> Hybrid Composite, Ravi Kumar Saidala, T Archana, Alias Paul, Naresh Kumar Reddy, T Sathish, Abdullah A Al-Kahtani, Chander Prakash, <b>Mohd Shahazad</b> , Satbir S Sehgal, Mohammad Yusuf, <b>Journal of King Saud University-Science</b> , 36 (7) 103266 2024 {IF=3.7}
12.	Optimizing the selection of natural fibre reinforcement and polymer matrix for plastic composite using LS-SVM technique, Sathish Thanikodi, M. Meena, Yagya Dutta Dwivedi, T. Aravind, Jayant Giri, Mohammad Shahzad Samdani, Lavish Kansal, <b>Mohd Shahazad</b> , Mohammad Ilyas, <b>Chemosphere</b> 349 140971 2024 {IF= 8.1}
11.	Improvement in Ammonia Gas Sensing Properties of La Doped MoO <sub>3</sub> Thin Films Fabricated by Nebulizer Spray Pyrolysis Method, R Jansi, MS Revathy, S Vinoth, Anuj Kumar, RS Rimal Isaac, N Deepa, Abdullah M Al-Enizi, Mohd Ubaidullah, Bidhan Pandit, <b>Mohd Shahazad</b> , Manish Gupta, <b>Optical Materials</b> , 145 114464 2023 {IF=3.8}
10.	Influence of Synthesizing Parameters on Surface Qualities of Aluminium Alloy AA5083/CNT/MoS <sub>2</sub> Nanocomposite in Powder Metallurgy Technique, T Sathish, R Saravanan, Anuj Kumar, Chander Prakash, <b>Mohd Shahazad</b> , Manish Gupta, N Senthilkumar, Bidhan Pandit, Mohd Ubaidullah, Vladimir A Smirnov, <b>Journal of Materials Research and Technology</b> , 27 1611-1129 2023 {IF= 6.2}

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09.	Enhanced Visible Light Photochemical Degradation of Rhodamine B Using Ni(1-x)CaxFe <sub>2</sub> O <sub>4</sub> (0<x<0.5) Nanoparticles:Performance, Kinetics and Mechanism, M. Sundararajana, B.Bonisha, Mohd Ubaidullah, Soyebmohamad F. Shaikh, S. Revathi, D.Thiripurasundari, A.Tony Dhiwahar, Bidhan Pandit, Chandra Sekhar Dash and <b>Mohd Shahazad, Materials Research Bulletin, 154 111911 2022 {IF=4.6}</b>
08.	Hydrothermally Derived Hierarchical CuO Nanoflowers as an Efficient Photocatalyst for Hydrogen Evolution, Tokeer Ahmad, Farha Naaz, Akanksha Sharma and <b>Mohd Shahazad, Chemistry Select 7(33) e202201800 2022 {IF=2.1}</b>
07.	Farbrication of Er, Tb Doped CuO Thin Film Using Nebulizer Spray Pyrolysis Technique for Photosensing Applications, T. Ganasekar, S. Valanarsu, Mohd Ubaidullah, Manawwer Alam, Ayman Nafady, P. Mohanraj, I. Loyola Paul Raj, Tokeer Ahmad, <b>Mohd Shahazad, Bidhan Pandit, Optical Materials, 123 111954 2022 {IF=3.1}</b>
06.	Structural Characterization and and Gas Sensing Applications of Ultra-fine ZrO <sub>2</sub> Nanospheres Using Low Temperature Solution Route, Nayeem Ahmad Pandit, <b>Mohd Shahazad</b> and Tokeer Ahmad, <b>Materials Today: Proceedings, 36 (3) 724-729 2021 {IF=1.5}</b>
05.	Synthesis, Characterization and Dielectric Properties of TiO <sub>2</sub> -CeO <sub>2</sub> Ceramic Nanocomposites at Low Titania Composition, Tokeer Ahmad, <b>Mohd Shahazad</b> , Mohd Ubaidullah and Jahangeer Ahmed, <b>Bulletin of Materials Science, 41 99(1-9) 2018 {IF=1.8}</b>
04.	Structural Characterization and Dielectric Properties of Ceria-Titania Nanocomposites in Low Ceria Region, Tokeer Ahmad, <b>Mohd Shahazad</b> , Mohd Ubaidullah, Jahangeer Ahmed, Aslam Khan and Ahmed Mohamed El- Toni, <b>Materials Research Express, 4 125016(1-8) 2017 {IF=2.0}</b>
03.	Dielectric, Optical and Enhanced Photo-catalytic Properties of CuCrO <sub>2</sub> Nanoparticles, Tokeer Ahmad, Ruby Phul, Parvez Alam, Irfan H. Lone, <b>Mohd Shahazad</b> , Jahangeer Ahmed, Tanseer Ahamad and Saad M. Alshehri, <b>RSC Advances, 7 27549-27557 2017 {IF=3.4}</b>
02.	Hydrothermal Synthesis, Characterization and Dielectric Properties of Zirconia Nanoparticles, Tokeer Ahmad, <b>Mohd Shahazad</b> and Ruby Phul, <b>Material Science &amp; Engineering International Journal, 1(3) 1-5 2017 {IF= 0.7}</b>

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<b>01.</b>	Reverse Micellar Synthesis, Structural Characterization and Dielectric Properties of Sr-doped BaZrO <sub>3</sub> Nanoparticles, Tokeer Ahmad, Mohd Ubaidullah, <b>Mohd Shahazad</b> , Dinesh Kumar and Omar A. Al-Hartomy, <b>Materials Chemistry and Physics</b> , 185 31-38 2017 {IF=4.1}
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## CONFERENCES, WORKSHOPS AND SEMINARS:

1.	Attended the, " <b>Science Academic Lecture Workshop on Nanoscience and Nanotechnology</b> " on March 1-2, 2013 organized by Department of Chemistry, Jamia Millia Islamia, New Delhi, India.
2.	Presented the poster entitled "Synthesis, Characterization and Dielectric Properties of Cerium Oxide Nanoparticles using Polymeric Citrate Precursor Route" in, " <b>Recent Advances in Chemistry 2014</b> " on March 24, 2014 organized by Department of Chemistry, Jamia Millia Islamia, New Delhi, India
3.	Participated in NCNRE ( <b>National Conference on Nanotechnology and Renewable Energy- 2014</b> ) on April 28-29, 2014 organized by Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi, India.
4.	Participated in one day seminar, " <b>Energy Efficiency Techniques in Whiteware Industry</b> " on September 21, 2015 organized by Indian Ceramic Society, Western Uttar Pradesh Chapter at CSIR-Central Glass and Ceramic Research Institute, Khurja Centre, Uttar Pradesh, India.
5.	Presented the poster entitled "Synthesis, Characterization and Dielectric Properties of TiO <sub>2</sub> -CeO <sub>2</sub> Nanocomposites" in " <b>Recent Advances in Chemistry 2016</b> " on April 26, 2016 organized by Department of Chemistry, Jamia Millia Islamia, New Delhi, India.
6.	Presented the poster entitled "Synthesis, Characterization and Dielectric Properties of ZrO <sub>2</sub> Nanoparticles" in International Conference " <b>Advances in Nanomaterials and Nanotechnology (ICANN-2016)</b> " on November 4-5, 2016 organized by Centre for Nanoscience and Nanotechnology, Jamia Millia Islamia, New Delhi, India.
7.	Participated in MHRD GIAN ( <b>Global Initiative of Academic Networks</b> ) course on, " <b>Recent Developments in Nano Materials for Energy and Health Care Applications</b> " during December 19-24, 2016 organized by Department of Chemistry, Jamia Millia Islamia, New Delhi, India.

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8..	Presented a paper entitled, “Synthesis, Characterization and Dielectric Properties of TiO <sub>2</sub> -CeO <sub>2</sub> Ceramic nanocomposites in Low Titania Concentration” in <b>National Conference on Recent advances in Theoretical &amp; Experimental Sciences (NCRATES-2023)</b> on September 29-30, 2023, sponsored by Uttarakhand Science & Research Centre ( <b>USERC</b> ) and Uttarakhand Council for Science & technology ( <b>UCOST</b> ) and Organized by Department of Physics, Bhakt Darshan Govt. Post Graduate College, Jaiharikhal (Pauri Garhwal) Uttarakhand, India.
9.	Chaired a session in one day <b>National Seminar</b> on “ <b>Quality Enhancement of HEIs in View of NAAC (NSQEHN-2024)</b> ” on March 22, 2024, sponsored by <b>Department of Higher Education, Govt. of Uttarakhand</b> and organized by Internal Quality assurance Cell, Bhakt Darshan Govt. Post Graduate College, Jaiharikhal (Pauri Garhwal) Uttarakhand, India.
10.	Presented a paper entitled, “Improvement in Ammonia Gas Sensing Properties of La Doped MoO <sub>3</sub> Thin Films Fabricated by Nebulizer Spray Pyrolysis Method” in <b>National Conference on Exploring Material Science &amp; Technology Innovations (NCEMSTI-2024)</b> on August 30-31, 2024, sponsored by HRDG, Council of Scientific & Industrial Research (CSIR), India and Council of Science & Technology, U.P. and organized by Department of Physics, SRMIST Delhi-NCR Campus, Modinagar, Ghaziabad, U.P.

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