

CURRICULUM VITAE

Dr. Ashaq Hussain Shah

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ACADEMIC PROFILE

1. Ph.D in Physics from B.S. Abdur Rehman University, Chennai- TN.
2. **M.Phil in Physics from Baharthiar University, Coimbatore-TN.**
3. M.Sc in Physics from Aligarh Muslim University, Aligarh-UP.
4. B.Sc (Hon's) in Physics from Aligarh Muslim University, Aligarh-UP.

TEACHING EXPERIENCE

1. Worked as lecturer in Aligarh college of Engineering, Aligarh for two years from 2007 to 2009.
2. Working as Assistant Professor in of College of Engineering and Technology, BGSB University, Rajouri.

INTERNATIONAL PUBLICATIONS

1. A. H. Shah, M.Basheer Ahmed, E.Manikandan and M.Iydroose “Magnetic, optical and structural studies on Ag doped ZnO nanoparticles” J. Mater Sci: Mater Elect 24(2013) 2302-2306.
2. A. H. Shah, M.Basheer Ahmed, and E.Manikandan “Enhanced Bioactivity of J. Ag/ZnO Nanorods-A Comparative Antibacterial Study” Nanomed and Nanotech 4 (2013)1-6.
3. A. H. Shah, E.Manikandan, M.Basheer Ahmed, D.A.Mir, S.A.Mir “Antibacterial and blue shift investigations in sol–gel synthesized $Cr_xZn_{1-x}O$ nanostructures” J. of Luminescence, 145 (2014) 944-950.
4. A. H. Shah, M. B. Ahamed, D. Neena, F. Mohammed, A. Iqbal “Investigations of optical, structural and antibacterial properties of (Al-Cr) Dual-doped ZnO nanostructures” JALCOM, 606 (2014)164-170.
5. L. Saikia, A. H. Shah, P. Pradhan, M. Molli, V. S. Muthukumar, M. B. Ahmed, E. Manikandan, S. Sankara Sai, K. Venkataramaniah “Enhanced nonlinear optical absorption in Mn doped ZnO nanoparticles” Int. J. of Nanotech, 4 (2014) 39-44.
6. A. I. Waidha, V. Pandiyarasan, T. Anusya, K. M. Waidha, A.H. Shah, “Synthesis and characterization nano Ag rod like structures by green synthesis method using curcumin Loga” International J. of chem. Tech Research, 7(2015) 1504-1508.
7. K. Deshmukh, M. B. Ahamed, A. H. Shah, M. Pandey, G. Joshi, “Morphology, ionic conductivity and impedance spectroscopy studies for grapheme oxide filled filled polyvinylchloride nanocomposites” Poly-Plast Tech and,Eng.
8. D. Neena, A. H. Shah, K. Deshmukh, H. Ahmad, D.J. Fu, K.K. Kondamareddy, P.

- Kumar, R.K. Dwivedi and V. Sing “Influence of (Co-Mn) co-doping on microstructures, optical properties of sol-gel derived ZnO nanoparticles” *Eur. Phys. J. D* (2016) 70: 53.
9. H. Ahmad, K. Rajagopal, A. H. Shah, A. H. Bhat, K. Venugopal “Study of bio-fabrication of Iron nanoparticles and their fungicidal property against phytopathogens of apple orchards” *IET Nanobiotechnology*, DOI: 10.1049/iet-nbt.2015.0061.
 10. H. Ahmad, K. Rajagopal, A. H. Shah “The Green route of Silver nanotechnology: Phytosynthesis and applications” *Int. J. Nano Dimens.*, 7(2016) 97-108.
 11. R.A. Zargar, A.H.Shah, H.A. Reshi, M. Arora, F.A. Mir **CdZnO Coated Thin Films: Application for Energy Conversion Devices**, *JOURNAL OF NANO- AND ELECTRONIC PHYSICS* Vol. 11 No 1, 01027(3pp) (2019).
 12. R.A. Zargar, A.H. Shah, M. Arora, F.A. Mir, **Crystallographic, Spectroscopic and Electrical Study of ZnO: CdO Nanocomposite-Coated Films for Photovoltaic Applications** *Arabian Journal for Science and Engineering* doi.org/10.1007/s13369-019-03823-9.

PAPERS PRESENTED

1. A. H. Shah, M. Basheer Ahmed and E. Manikandan and M. Iydroose. “Nano Ag Doped ZnO particles Magnetic, Optical and Structural properties”. *DAE SSPS-12 IIT Mumbai* 5-7th Dec 2012.
2. A. H. Shah, M. Basheer Ahmed, E. Manikandan “Sol-gel synthesis, optical, structural, vibrational, and biostudy investigations of ZnO/Ag nanorods” *ICNEN-13*, Saveetha University, Chennai 22-23th Jan 13.
3. A. H. Shah, M. Basheer Ahmed and E. Manikandan. “Dual dopant (Al, Cr) of ZnO nanoparticles deeds in antibacterial study” *ICRACM IIT BHU*, 18-22th Feb 13, International Centre Goa.
4. A. H. Shah, M. Basheer Ahmed and E. Manikandan “Effect of Cr doping on structural, vibrational, and optical properties in ZnO Ns” *ICRAP*, 12-13th June VMAS College, Uthanagiri, Tamilnadu.
5. A. H. Shah, M. Basheer Ahmed, Fida Mohammed and E. Manikandan “Synthesis of ZnO-TiO₂-Ag nanocomposites: Structure-Property Relation”. 18-21th Nov 13, *ICNM*, Babasaheb Ambetkar Central University Lucknow, India.
6. A. I. Waidha, P. Anil Kumara, K. A. Prasanth, A.H. Shah, F. Mohamed “Green bio-synthesis of nano Ag rod like structures using turmeric powder for structural and morphological studies” 10-12th March 14, *ICMCT*, VIT-Vellore Tamilnadu.
7. O. A. Shah, A. H. Shah, M. B. Ahamed, K. Deshmukh, M. Arshed and F. Mohd “Structural and optical properties of Cr doping ZnO crystalline ZnO thin film fabricated by PLD technique” 12-15th Nov 2015 Indian Institute of metals, College of Engineering-Pune.
8. A.H.Shah, M. Asger, R. Eshwaran, N. Raeendra, V. Girish “Sol-gel synthesis of Al doped ZnO nanostructures with UV light driven photoalytic acyivity” 20-21th Nov. 2015, *RISET*, Yogananda College, Jammu (J&K).

ABSTRACTS ACCEPTED IN NATIONAL/INTERNATIONAL CONFERENCES

1. A. H. Shah, M. B. Ahamed, H. Ahmad, D. Neena and V. Sing “Synthesis of quantum dots: Investigations of biocompatibility and Fluorescence properties” 5-6th June 2014, ICAGT, BSAR University-Chennai.
2. K. C. Wilson, E. Manikandan, M. Rajeshwaran, A. H. Shah, M. B. Ahamed “Honeycomb like nano-wall structures of CdS thin films for solar cells photovoltaic by chemical bath deposition(CBD) technique” z
3. A. H. Shah, E. Manikandan, K. C. Wilson, M. B. Ahamed, R. Krishnan “Silver modified ZnO nanoparticles: Magnetic performance study at RT” 9-10th April 2013, NCRAM, BSAR University-Chennai.

WORKSHOP AND SEMINAR PARTICIPATED

- March 16-17th 2011 National seminar on “Radiations technology in health care and its society” at physics department, Bharathiar University ,Coimbatore
- Feb 27-28th 2012 Annual photonics workshop 2012 at International school of Photonics, Cochin University of science and technology-Kerla.
- February 18th 2012 “National seminar on frontier in nanoscience and technology” at division of Physics, School of Advanced Sciences, VIT-Chennai.
- March 6th 2012 workshop on laser technology and its applications at School of science and humanities, Department of Physics, B.S. Abdur Rehman University Chennai-Tamilnadu.
- June 5-20th XXXVIII course in experimental physics organized by IAS, Bangalore, INSA, New Delhi, NASI, Allahabad and B.S. Abdur Rehman University Chennai-Tamilnadu.
- 28-29th June 2013 Awareness workshop on research opportunities using the facilities available at VECC,DAE, Kolkata organized by SSSIHL, Prasanthi Nilayam, Andra Pradesh.
- 8-10 May “Training programme on thin film synthesis and characterization techniques” at Nanocentre and nanotechnology centre, Sathyabama University Chennai.

PERSONAL PROFILE

Gender	:	Male
Father’s Name	:	M. Yaseen Shah
Languages Known	:	Kashmiri, English and Urdu
Religion	:	Islam
Marital Status	:	Unmarried

REFERENCES

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Department of Nanoscience and Technology
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DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place: Srinagar

Yours Sincerely,

Date: 11-0-2018

(Dr. A. H. Shah)