

Curriculum vitae

Name: Dr. Irshad Ahmad Bhat

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Current Position: Assistant Professor
Department of Physics
Govt. Degree College Baramulla J&K



Qualification: DCA, M.Sc., Ph.D (Physics)

Research Interests: Strongly Correlated Electronic Systems: Rare Earth Manganites, Nano Science, Spintronics. Dilute Magnetic Semiconductors (DMS), Ferrites.

Teaching Experience: 6 Years

Other Academic Duties:

- Coordinator of Infrastructure Engineering (Welding Technology) Govt. Degree College Baramulla.
- Member of The UGC, Research and Innovation Committee, Cultural and Academic Committee, Grievance Cell Committee, Shaheen Club, etc at Govt. Degree College Baramulla.

Orientation/Refresher Courses:

- Attended a webinar on '*Nuclear Physics-History, Recent Development and the future*', organised by the Department of Physics, J. C. Bose University of Science and Technology, YMCA, Faridabad, on 19th, June 2020.
- Attended 07-Online Symposium Series on 'Special Lectures by the Eminent Scientist of the Global Recognition' SLESGR-2021, Organized by BML Munjal university, Gurgaon, India.
- Attended Two Week Faculty Development Program (Equivalent to Refresher Course) on "*Information Communication and Technology and Modern Education: The Way Forward (ICTME-2020)*", Organised by Coordination Cell, Higher Education Department, Govt of Jammu and Kashmir, during March (1st -17th), 2020, held at Govt SPMR College of Commerce, Jammu.

- Attended a one week faculty development program on ‘*Emerging Trends in Physical, Chemical and Mathematical Sciences*,’ held at Islamic University of Science and Technology (IUST), Awantipora, during 14th -20th February, 2019
- Attended UGC/CPE sponsored seven day faculty development workshop on ‘*Teachers Enrichment Program (TEP)*’, held at Govt Degree College Baramulla, between 18th May and 16th of Oct., 2018.
- Attended ‘*Four Week Induction cum Orientation Training Program*’ conducted by Institute of Advanced Studies in Education (IASE) Govt. College of Education, M.A. Road, Srinagar, during 19th June, 2017 to 16th July, 2017.

Fellowships/Awards/Grants

- ✓ University Grants Commission (UGC) Fellowship and Department of Science (DST-SRF) Fellowship during PhD Program.
- ✓ University grant to attend ‘*2nd International Conference and Exhibition on Materials Science and Engineering*’, held during October 07-09, 2013, at Hampton Inn Tropicana, Las Vegas, NV, USA.
- ✓ DST/SERB grant to attend the “*International Conference on New Advances in Condensed Matter Physics*”, organised by Engineering Information Institute, held during, January 14-16, 2014, at Shenzhen, China.
- ✓ *Abdus Salam International Centre for Theoretical Physics (ICTP, Trieste Italy)* grant to attend the International workshop on “*Current Trends in Frustrated Magnetism*” held at School of Physical Sciences, JNU, New Delhi, India, during February 09-13, 2015.
- ✓ Best Oral Presentation award on the occasion of ‘*Science Week Celebrations*’ in the Department of Physics, *Aligarh Muslim University, Aligarh, India.*
- ✓ Best Poster Presentation award, at “*Aligarh Nano-IV*”, *International conference on Nano science and Nanotechnology, held at Department of Nano-Science, ZHCET in 2014.*
- ✓ Best Poster Presentation award, at “*Aligarh Nano-III*”, *National conference on Nano-Science and Nanotechnology’ held at Department of Nano-Science, ZHCET 2013.*

Memberships

- ✓ Life time membership of *Neutron Scattering Society of India (NSSI)*, under Registered No. Maharashtra State, Mumbai, **2011 GBBSD/1696**.
<http://www.nssi.iitm.ac.in>
- ✓ Member of the *American Physical Society (APS)*, with **membership ID: 611715503**.

Publications (Reffered Journals)

1. Study of x-ray photo-emission spectroscopy and multiple metal to insulator transitions in an electron doped system of $La_{1-x}Zr_xMnO_3$ ($x = 0.10, 0.20$).
Irshad Bhat, Shahid Husain, R. K. Kotnala, *Impact factor: 5.31*
J. Alloy and Compounds. 770 (2019) 1049-1054
2. Magnetic and Raman spectroscopic study of laser ablated 100 (nm) thin film of $La_{0.85}Te_{0.15}MnO_3$ deposited on $LaAlO_3$,
Irshad Bhat, Shahid Husain, Tariq Ahmad War, *I.F : 5.31*
J. Alloy and Compounds. 667 (2016) 225-228
3. Effect of thickness variation on the physical properties of $La_{0.85}Te_{0.15}MnO_3$ thin films grown on (001) $LaAlO_3$ by pulsed laser deposition;
Irshad Bhat, Shahid Husain and S. I. Patil. *I. F : 4.10*
Matt. Chem and Phys. 160 (2015) 66-72
4. Structural, transport, magnetic, and dielectric properties of $La_{1-x}Te_xMnO_3$ ($x = 0.10$ and 0.15).
Irshad Bhat, Shahid Husain, Wasi Khan, S. I. Patil; *I. F : 4.22*
J. Mater. Sci. 48 (2013): 3272–3282.
5. Morphology and magneto transport properties of electron doped $La_{0.85}Te_{0.15}MnO_3$ thin film deposited on $LaAlO_3$ substrate.
Irshad Bhat, Shahid Husain, S. I. Patil; *I. F: 4.64*
Mat. Res. Bull. 57C (2014): 72-78.
6. Study of cobalt doping on structural and luminescence properties of ZnO nanoparticles.
Shahid Husain, Lila A Alkhtaby, Irshad Bhat, Emilia Giorgetti, Angela Zoppi, Maurizio M Miranda; *I. F: 3.59*
J. Luminescence 154 (2014) 430-436.
7. Structural and dielectric properties of $La_{0.8}Te_{0.2}MnO_3$.
Shahid Husain, Irshad Bhat, Wasi Khan, Lila Al-Khataby; *I. F : 1.80*
Solid. State. Comm. 157 (2013) 29–33.
8. Morphology and Electron Spin Resonance Study of $(La_{1-x}Sn_x)_2Mn_2O_7$ double perovskite System.
I. F : 3.23
Shahid Husain, Irshad Bhat, Wasi Khan, Lila Alkhataby and Ekrem Cicek;
Chn. J. Phys. 51 (2013) 551-559.
9. Effect of Zn doping on the Structural, Morphology, Magnetic and Dielectric properties of $LaFeO_3$ synthesized through sol-gel auto-combustion process.
Irshad Bhat, Shahid Husain, Wasi Khan, S. I. Patil; *I. F: 4.64*
Mat. Res. Bull. 48 (2013) 4506–4512.
10. Effect of pH variation on structural and optical properties of $Zn_{0.95}Co_{0.05}O$ nanoparticles.
Shahid Husain, Lila A Khataby, Irshad Bhat and Wasi Khan. *I. F = 3.59*
J. Luminescence 160 (2015) 311–316.

11. *Structural, optical and antimicrobial studies of 3 β -acetoxycholest-5-ene, 3 β -acetoxy-6-nitrocholest-5-ene and newly synthesized steroidal pyrazolones.*
Shamsuzzaman, Ayaz. M. Dar, Irshad Bhat, Manzoor A. Gattoo;
J. Taibah Univ. for Sci. 8 (2014) 39–53.

12. *Effect of electron-electron and Kondo interactions on the low temperature electronic transport properties of an electron doped polycrystalline system $La_{1-x}Zr_xMnO_3$ ($x = 0.1, 0.2$ and 0.3)* Communicated to ‘ *Frontiers in Physics.* (Under Process)

Conferences/Seminars/Workshops/Schools Attended

✓ International Conferences:	07
✓ National:	10
✓ Schools (Physics):	02