

HEMACHANDRA RAO BITRA
Flat No: 304, Sai Ganesh Nilayam,
Kakatiya Hills, Shilpa Layout,
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Career Objective

Dedicated and experienced Assistant Professor with 15 years of expertise in Physics seeking a challenging position in an esteemed institution. Committed to providing high-quality education, conducting research, and inspiring students to excel in the field of physics.

Personality Traits

- Excellent Presentation, motivational and leadership skills.
- Strong analytical and logical skills.
- Ability to handle the students and provide quality knowledge.

Title of the Ph.D Thesis

Low Temperature Dielectric studies of Copper Oxide doped with Carbon and Manganese.

Educational Profile

S.No.	Qualification	University	Percentage
1	Ph.D - 2023	KL University, Vijayawada	-
2	M.Phil- 2010	Andhra University, Visakhapatnam,	-
3	M.Sc., (Physics) – 2004-06	Acharya Nagarjuna University, Guntur	66%
4	B.Sc., (MPCs)	Acharya Nagarjuna University, Guntur	59%

Publications

- **Bitra, H. R., Rao, A. V., Kumar, A. G. S., & Rao, G. N.** (2021). Investigation of low temperature dielectric properties of manganese doped copper oxide nanoparticles by coprecipitation method. *Dig. J. Nanomater. Biostructures*, 16(3), 1173-1183. (SCI- I.F. 0.89) – Q4
- **Bitra, H. C. R., Rao, A. V., Babu, K. S., & Rao, G. N.** (2021). Low temperature investigation on dielectric properties of carbon doped copper oxide. *Ferroelectrics letters section*, 48(1-3), 46-55, (SCI- I.F. 0.5). – Q4

- **Bitra, H. C. R., Rao, A. V., Babu, K. S., & Rao, G. N. (2020).** Synthesis and enhanced dielectric properties of copper oxide nanoparticles. *Materials Chemistry and Physics*, 254, 123379, (SCI - I.F. 4.56). – Q1
- **Bitra, H. C. R., & Prasad, B. B. V. S. V. (2014).** Dielectric studies of nano structured BaTi_{1-x}Sn_xO₃ solid solutions. *International Letters of Chemistry, Physics and Astronomy*, 13(2), 191-201. (WOS).

Patent Published

- Hema Chandra Rao Bitra, “Cloud based smart system for smart city”, 202241058670A, Nov 2022.

Text Book Published

Optical Fiber Communication, GCS Publishers ISBN: 978-81-962755-2-5

Key responsibilities handled

- Additional Controller Examination Branch at Malla Reddy Engineering College (Autonomous).
- Counselor for Parents in the Admission Section.
- Department Exam Coordinator
- In charge for Department Academic activities
- BOS member.

Technical Qualifications

Programming Language	: C & C++
Operating Systems	: Windows 98, Windows XP
Packages	: MS Office
	MAT Lab, Origin Software

Work Experience

- Working as an Asst. Prof. in Physics in Malla Reddy Engineering College from 2013 to till date.
- Worked as an Asst. Prof. in Physics in Hasvita Institute of Engineering and Technology from 2010 to 2013.
- Worked as a Lecturer in Physics in Priyadharshini Degree College, Tenali. from 2006 to 2008.

Conferences/Workshops/ Seminars/ FDPs

- Workshop on Research methodology for four days, KL University, Vijayawada July 2014
- One-Day State Level Workshop on “CBCS & Online Internal Examination at UG Level Semester System”, Jan 2016

- Conference on National Conference on Current developments in functional materials and their applications (NCDFMA) at KL University, Dec 2017
- One day workshop on Materials Characterization Techniques at KL University Apr 2019
- Two days Workshop on “Online Tools & Software for Remote Teaching – Learning” at JNTUH Apr 2020.
- One day E Workshop on Virtual Labs – IIT Gawahati. May 2020.
- Two days online workshop on Introduction to Origin Software at KL University Sep 2020.
- Five days International e workshop on Advanced materials in innovative Technology, at BVRIT Womens, Hyderabad, Dec 2021
- Five days FDP on Enhancing Research Eco System in the campus, at MREC(A), Hyderabad Aug 2022

Personal Profile

Father's Name	:	Neelakanteswara Rao B.
Date of Birth	:	06 th March 1984
Sex	:	Male
Martial Status	:	Married
Languages Known	:	English, Hindi and Telugu
Permanent Address	:	D.No: 18-9-9, Salipet, Tenali, Guntur (Dt) – 522201.

References

Dr A. VenkateswaraRao Asst. Professor in Physics Department of Physics, KL University Vijayawada	Dr Sk. Mahamuda Assoc. Professor in Physics Department of Physics, KL University Vijayawada
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Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

Hema Chandra Rao Bitra