

Mr. BHUPENDRA T. KUMBHARE**(M.Sc., (Physics), B.Ed., SET)**

Assistant Professor,

Department of Physics,

Shri Shivaji Education Society Amravati's

SCIENCE COLLEGE,

Congress Nagar, Nagpur-440012

Mobile No. 9028195613**E-mail:- btkumbhare@gmail.com****Vidwan-Id : 553032****Orcid-Id [0000-0002-3655-9549](https://orcid.org/0000-0002-3655-9549)****Google Scholar-Id [WzzHXwkAAAAJ](https://scholar.google.com/citations?user=WzzHXwkAAAAJ)****PERSONAL DETAILS**

Name : **Bhupendra T. Kumbhare**
Date of Birth : 25/11/1982
Marital Status : Married
Nationality : Indian
Religion : Hindu
Languages Known : English, Hindi and Marathi
Contact No. : 9028195613
E-mail : btkumbhare@gmail.com
Address : 73, New Gadge Baba Nagar,
Kharbi Road, Nagpur (M.H)
Pin : 440024

EDUCATIONAL QUALIFICATION

Exam	Board/ University	Subjects	Percentage	Year of Passing
SSC	Maharashtra State Board	General Science	68.40 %	1999
HSSC	Maharashtra State Board	Science	61.17 %	2001
B.Sc.	RTM Nagpur University	Phy, Maths, Chem.	62.89 %	2004
M.Sc.	RTM Nagpur University	Physics	61.40 %	2007
B.Ed.	RTM Nagpur University	Physics, Maths	58.28 %	2008
SET	SPPU Pune University/ Maharashtra State	Physics	-	2018

TEACHING EXPERIENCE

Name of Institution	Post held	From	To
Shri Shivaji Education Society Amravati's Science College, Nagpur	Asst. Professor	01/01/2022	Till date
Shri R. R. Lahoti Science College, Morshi.	Asst. Professor	21/09/2019	31/12/2021
Priyadarshini J. L. College of Engineering, Nagpur	Asst. Professor	11/06/2018	20/09/2019
Rajiv Gandhi College of Engineering & Research, Nagpur	Asst. Professor	13/08/2012	30/04/2018
Agnihotri College of Engineering, Wardha	Lecturer	01/07/2009	11/08/2012
Agnihotri School of Technology (Poly), Wardha	Lecturer	18/06/2008	30/06/2009

PAPER PUBLISHED IN JOURNALS

- Influence of Feed Ratio Variation on Structural and Thermal Properties of Pyrrole Aniline Copolymer
H. V. Ganvir 1 * , V. Y. Ganvir 1 , V. D. Sonwane 2 , B .T. Kumbhare 3 P. Kumar4
NeuroQuantology|December 2022 | Volume 20 | Issue 19 | Page 2095-2106| doi:
10.48047/nq.2022.20.19.NQ99177 H. V. Ganvir
- [Comparative study on thermal stability and optical properties of PANI/CdS and PANI/PbS nanocomposite](#)
JB Bhaiswar, MY Salunkhe, SP Dongre, BT Kumbhare
IOSR J. Appl. Phys.(ICAET-2014) 80, 79-82
- [MEASUREMENT OF DC ELECTRICAL CONDUCTIVITY OF CHEMICALLY SYNTHESIZED PANI/ZNS COMPOSITES](#)
BT KUMBHARE, JB BHAIWAR, SP DONGRE, CM DUDHE

PAPER PUBLISHED IN CONFERENCES

- 20-21 Decemberr 2024 – Oral presentation in 3rd International Conference on Recent Research for Sustainable Development at Shri Shivaji College, of Education, Amravati, Maharashtra (India) on the topic of "**Recent Development in Nanotechnology : Advances and Applications**"
- 18 September 2024 – Oral presentation in One Day International Multidisciplinary Conference on Climate Change: Contemporary Challenges with Local to Global Perspectives at DNC, Nagpur on the topic of "**Applications of nanotechnology in the realm of renewable energy.**"
- 26-27 April, 2024 – Poster Presentation in International Conference on Advanced Sustainable Futuristic Material (ASFM)-2024 at Kamla Nehru Mahavidyalaya,

Nagpur on topic of “ **Comparative Analysis of Synthesis Approaches on Structural and Magnetic Properties of Mg-Ni-Zn Spinel Ferrite.**”

- **Study of Acoustic Parameters of Polymer Electrolytes** in AICTE sponsored International Conference on Management Practices, Innovations and Research MPIR-19.
- **Co-relation of Activation Energy with Particle size of Composites of Polyaniline-Cadmium Sulphide** in UGC sponsored NATIONAL CONFERENCE RECENT TRENDS IN MATERIAL SYNTHESIS AND CHARACTERIZATIONS-2011 in Bhalerao Science College, Saoner, ISBN 978-81-922229-1-2.
- **Comparative Study of Electrical conductivity of PANI/CdS and PANI/PbS nanocomposites** in UGC sponsored NATIONAL CONFERENCE RECENT TRENDS IN MATERIAL SYNTHESIS AND CHARACTERIZATIONS-2011 in Bhalerao Science College, Saoner, ISBN 978-81-922229-1-2.

GUEST LECTURE DELIVERED

- A Guest Lecture Delivered on “**NANOSCIENCE & NANOTECHNOLOGY**” on 22nd September, 2022 at Shri R. R. Lahoti Science College, Morshi, Dist-Amravati

NATIONAL/INTERNATIONAL CONFERENCES ATTENDED

- **108th Indian Science congress** held at Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, Maharashtra from 3 to 7 January, 2023.
- **International E-Conference on “Sustainable Development: Biological and Socioeconomical Perspective”** 26th - 27th June, 2020 organized by Government Vidarbha Institute of Science & Humanities, Amravati.
- **International Web Conference on Advanced Materials Science & Nanotechnology (NANOMAT-2020)** 20th-21st June 2020 organized by Department of Physics, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar, Dist. Amravati,
- **International E-Conference on “Strategies & Challenges in Higher Education”** during COVID-19 Lockdown Period in India with reference to the World” 15th - 17th May, 2020 organized by Government Vidarbha Institute of Science & Humanities, Amravati.
- **5th Interdisciplinary National Conference “PANACEA-2016’** on Engineering, Management and Sciences 24, June 2016 organized by Datta Meghe Institute of Engineering, Technology & Research, Wardha.
- **International Conference on Advances in Engineering and Technology-2014 (ICAET-2014)** during 8-9, January 2014 organized by Anjuman College of Engineering & Technology, Nagpur.

- **UGC sponsored National Conference on NANOMATERIALS: NEW HORIZON FOR BETTERMENT OF MANKIND** on 28, February 2013 organized by Shri Shivaji Education Society Amravati's Science College, Nagpur.
- **UGC sponsored National Conference on Recent Trends in Material Synthesis and Characterization 2011 (NCRTMSC-2011)** on 17, December 2011 organized by Department of Physics, Bhalerao Science College, Saoner.
- National Conference on Emerging Trends in Nanoscience & Nanotechnology (NCNT-2011) during 20-21, December 2011 organized by Nagar Yuwak Shikshan Sanstha's Rajiv Gandhi College of Engineering & Research, Nagpur.
- **UGC sponsored National Conference on Recent Trends in Material Synthesis and Characterization 2009 (NCRTMSC-2009)** during 4-5, December 2009 organized by Department of Physics, Bhalerao Science College, Saoner.

STTP ATTENDED

- One week STTP on **"SPECTROSCOPIC TECHNIQUES: FUNDAMENTALS TO APPLICATIONS"** (STFA-2016) during 05-09, December 2016 organized by Department of Chemistry, VNIT, Nagpur.
- Two week STTP on **"EFFECTIVE RESEARCH METHODOLOGY"** sponsored by ISTE during 05/10/2015 to 16/10/2015 at **Priyadarshini Institute of Engineering & Technology, Nagpur.**
- STTP on **"MULTIDIMENSIONAL ROLE OF APPLIED SCIENCES IN NATIONAL DEVELOPMENT"** during 13-17, July 2015 organized by Department of Applied Science, YCCE, Nagpur.
- STTP on **"MATERIALS: SYNTHESIS TO DIVERSE APPLICATIONS"** (MSDA-2014) during 18-22, December 2014 organized by Department of Applied Physics, VNIT, Nagpur.
- One week STTP on **"RENEWABLE ENERGY SOURCES"** during 23-27, June 2014 organized by Department of Mechanical Engineering, DBACER, Nagpur in association with Indian Society For Technical Education (ISTE), New Delhi.
- STTP on **"MATERIALS: SYNTHESIS TO DIVERSE APPLICATIONS"** (MSDA-2013) during 9-13, December 2013 organized by Department of Applied Physics, VNIT, Nagpur.

WORKSHOP ATTENDED

- 28-29 August 2024 – Two Days workshop on **"Computer Interfaced Physics Experiments using EXPEyes-17/SeeLab3"** organized by jointly by Department of Physics Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur Indian Association of Physics Teachers Sub-Regional Council (Vidarbha) Sub-RC 08E

- One Day State Level Workshop on “**Fundamentals of Intellectual Property Rights and Career Advancement Scheme**” organized by Arvindbabu Deshmukh Mahavidyalaya Bharsingi, Dist-Nagpur on dated 26th May, 2020
- Five days workshop on “**SPECTRAL DATA ANALYSIS & SPECTRAL INTERPRETATION FOR STRUCTURE ELUCIDATION**” (SDSISE-2017) during 21-25, November 2017 organized by Department of Chemistry, **VNIT, Nagpur.**
- One day workshop on “**CHALLENGES IN TEACHING LEARNING**” on 24, January 2017 organized by Department of First Year, **RG CER, Nagpur.**
- One day workshop on “**NPTEL**” on 24, September 2016 organized by **IIT Madras, at PCE, Nagpur.**
- One day workshop on “**ROLE OF TEACHERS IN DEVELOPMENT OF SCIENCE AND TECHNOLOGY**” on 12, December 2015 organized by Department of Science and Humanities, **RG CER, Nagpur.**
- One day workshop on “**DIAGNOSTIC TOOLS USED IN RESEARCH IN SCIENCE AND TECHNOLOGY**” on 22, November 2014 organized by Department of Applied Physics and Chemistry, **YCCE, Nagpur.**
- One day workshop on “**QUANTUM MECHANICS AND RESEARCH METHODOLOGY**” on 25, October 2013 organized by Department of Chemistry, **Shri Shivaji Science College, Amaravati.**

FDP/SEMINAR ATTENDED

- One Day National Seminar on “**LIFE & WORK OF S. N. BOSE**” on 27, January 2024 organized by IAPT & Department of Physics, SSESAs Science College, Nagpur.
- One Week Online National Level FDP on “**Advanced Materials & Quantum Technology**” held during 4th Dec-9th Dec 2023 organized by Department of Applied Physics, Under the Aegis of IQAC, YCCE, Nagpur.
- One Day National Seminar on “**Fostering best practice and outreach activities in HEI with accordance to NEP 2020**” on 24, November 2022 organized by Department of Science and Humanities, Anjuman College of Engineering and Technology, Nagpur..
- Twelve Days Faculty Development Programme on **Online Teaching- Learning And Research Methodology** from July 18 - July 29, 2020 organized by Govt. P. G. College, Bilaspur, Rampur - Uttar Pradesh.
- TWO - WEEK FACULTY DEVELOPMENT PROGRAMME on “**ADVANCED CONCEPTS FOR DEVELOPING MOOCS**” from 02 - 17 July, 2020 organized by Teaching Learning Centre, Ramanujan College, University of Delhi
- National Level FDP on **G-Suite & Allied Tools in Education, Teaching & E-content Development** From 29th June-4th July, 2020 organized by P.G. Department of Computer Science & Engineering, Sant Gadge Baba, Amravati University, Amravati.

- One week Faculty Development Programme on **“OPEN SOURCE TOOLS FOR RESEARCH”** from 08 - 14 June, 2020 organized by Teaching Learning Centre, Ramanujan College, University of Delhi
- Faculty Development Program on **“Environmental Impacts of Covid-19 Pandemic: Challenges and Future Research”** from 27th May-1st June, 2020 organized by University School of Environment Management, Guru Gobind Singh Indraprastha University
- TWO - WEEK FACULTY DEVELOPMENT PROGRAMME on **“Managing Online Classes & Co- creating MOOCS 2.0”** from May 18 - June 03, 2020 organized by Teaching Learning Centre, Ramanujan College, University of Delhi
- Two Weeks Faculty Development Programme On **Empowerment Through Digital Technology and E-Learning** 18th-30th May, 2020. organized by Shreemati Nathibai Damodar Thackersey (SNDT) Women's University, Mumbai
- One week Faculty Development Program on **“Introduction to Forensics Science and Digital & Cyber Forensics** From 15th May-19th May, 2020 organized by Nagpur Institute of Technology, Nagpur
- A National Seminar on **“STUDENT CENTRIC LEARNING APART FROM CHALK & TALK”** on 24, January 2019 organized by Internal Quality Assurance Cell, PJLCE, Nagpur in academic collaboration with NAAC, Bangalore.
- A FDP **“QUEST FOR THE BEST”** during 11-14, June 2018 organized by Priyadarshini Centre of Excellence, Nagpur.

CERTIFICATES/COURSES

- **NPTEL Online course Solid State Physics** (12 Weeks) on the SWAYAM July-Oct 2023 organized by Centre for Continuing Education & NPTEL, IIT Kanpur
- **“A Boot Camp to Special Theory of Nuclear Physics”** June 7, 2022 organized by Udemy
- **“A Boot Camp to Special Theory of Relativity”** May 30, 2022 organized by Udemy
- **MS-DEED Level 1 Online Workshop on Introduction to Innovative Pedagogies for UG Teachers** 25/04/2022 to 27/04/2022 organized by Maharashtra State Faculty Development Academy, Pune in collaboration with IISER, Pune
- **e-Certificate Course on Renewable Energy- The Demand of Future** 25th May to 30th May 2020 organized by Department of Physics in collaboration with IQAC, Shri R.R.L. College of Science, Akola
- **e-Certificate Course in Astronomy and Astrophysics** 7 May to 10 May 2020 organized by IQAC, Shri R.R.L. College of Science, Akola
- **NPTEL course Experimental Physics - III** (12 Weeks) on the SWAYAM Jan 27 -Apr 17 2020 organized by Centre for Continuing Education & NPTEL, IIT Kanpur

- **NPTEL course Experimental Physics - II** (12 Weeks) on the SWAYAM Jan 27 -Apr 17 2020 organized by Centre for Continuing Education & NPTEL, IIT Kanpur
- **Course on “The story of Photoelectric Effect”** July 15 to August 17, 2021 organized by Centre for Continuing Education, IIT Kanpur
- **Course on “Classical Mechanics – 1”** January 26 to April 25, 2021 organized by Centre for Continuing Education, IIT Kanpur
- **Course on “Classical Electromagnetism - 1 (Electrostatics)”** August 15 to December 13, 2020 organized by Centre for Continuing Education, IIT Kanpur
- **Course on “Advanced Course on Special theory of Relativity”** January 26 to May 19, 2020 organized by Centre for Continuing Education, IIT Kanpur

INDUCTION/REFRESHER PROGRAMMES

- **Inter /Multi Disciplinary Refresher Course on Physical, Life and Earth sciences held** from 28th July -10th August,2022 organized by UGC-HRDC, Mizoram University, Mizoram.
- **Faculty Induction Programme-V (Guru-Dakshata)** 8th December 2021-7th January 2022 organized by UGC-HRDC, Sant Gadge Baba Amravati University, Amravati (M.S.)
- **ARPIT Course for Career Advancement Scheme (CAS) promotion Skills for New Educational Architecture** from 1st Dec 2020 to 31st March 2021.
- **One Week "Online Faculty Induction Program"** from 15th July-19th July, 2020 organized by IQAC, Jagadamba Mahavidyalaya, Achalpur
- **4-Week Induction/Orientation Programme for Faculty** in Universities /Colleges/Institutes of Higher Education June 04 - July 01, 2020 organized by Teaching Learning Centre, Ramanujan College, University of Delhi

PROFESSIONAL MEMBERSHIP

- Life Time Member of **THE INDIAN SCIENCE ASSOCIATION (ISCA) (L42804)**
- Life Time Member of **INDIAN ASSOCIATION OF PHYSICS TEACHERS (IAPT) (L8864)**
- Life Time Member of **INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE) (LM 111490)**

Mr. BHUPENDRA T. KUMBHARE