

Name of the Faculty: Prof. (Dr.) Bhamare Kaveri Bapurao



Designation	Professor
Name of the department	Physics department
E-mail	Kaverimahale66@gmail.com
Qualification	M. Sc. (Physics) Ph. D.
Administrative Experience <ol style="list-style-type: none">1. Working as NAAC Criterion -7.1.1 Key indicator Coordinator at college level.2. Worked as member of Mentor for S.Y. B.Sc. Class at college level.3. Member of Advisory Committee of National and International Conferences organized by the L. V. H. College, Panchavati, Nashik.	
Representation on Academic / Administrative bodies / Member of organizational bodies. <ol style="list-style-type: none">1. Coordinator of Science Association Cell at L. V. H. College, Panchavati, Nashik.2. Member of Women Welfare Cell at L. V. H. College, Panchavati, Nashik.3. Member of Student's Admission committee at L. V. H. College, Panchavati, Nashik.4. Working as Advisory Member at Atal Tinkering Labs at School Level.5. Member of INNOFEST-2022 organizing committee.6. Examination Work as Moderator, Paper checking, Supervisor.7. Examiner (Internal/External) for Theory and Practical at B.Sc. level conducted by S. P. Pune University, Pune.8. Worked on various committees to support College administration and maintain discipline	
Teaching Experience	33 Years
Awards / Recognitions <ol style="list-style-type: none">1. The Best Paper Presentation award in SPPU, Pune sponsored international conference on "Innovations in Nanomaterials and their Applications" (ICINA-2018), L. V. H. College, Panchavati, Nashik- 03. January 18-20, 2018	
Research Guidance for M.Phil. / Ph.D. / Project: NIL	
Research Projects: <ol style="list-style-type: none">1. Title of the Project: Study of electrical & gas sensing properties of resistive metal oxide sensors with different additives. File No. 34-09/12 (WRO). Funding Agency: UGC, New Delhi. Duration: 20 May 2014 to 20 May 2016. Grant sanctioned: Rs. 1,37,000/-	

Research paper published / presented

1. "Structural characterization and gas sensing performance of TiO₂ metal oxide semiconductor for NO₂ detection". Journal of the Maharaja Sayajirao University of Baroda. Volume- 55 No.1 (IV), 2021 pp 5-11 0025-0422 UGC Approved 63975.
2. "Sensitivity of screen printed WO₃ thick film chemiresistance gas sensor with alteration in firing temperature". International Journal of all Research education & Scientific Methods (IJS DR) Vol. 6 Issue 1 (2021) pp 262-268 ISBN No. 2455-6211. Peer Reviewed Refereed Journal.
3. "Indoor Power Generation by Vaseline Glass Plate Modulated Solar Photo-Voltaic Panel". International Journal for Research Trends and Innovation, Vol. 5 Issue 5, May 2020 pp 122-125 ISBN: 2456 -3315. Peer Reviewed Refereed Journal.
4. "Effect of thickness of Iron, Copper, Nickel, Aluminium and Brass on Modulus of Rigidity." Ajanta International multidisciplinary quarterly research journal Vol. 8, Issue-I, Jan-Mar 2019 Pp 94-98. ISBN: 2277-5730. UGC Listed 40776 & Peer Reviewed Refereed Journal.
5. "The effect of Temperature on the Viscosity of Glycerine, Water, Paraffin Oil". Ajanta International multidisciplinary quarterly research journal, Vol. 8, Issue-I, Jan-Mar 2019 Pp 112-115, ISBN No. 2277-5730. UGC Listed 40776 & Peer Reviewed Refereed Journal.
6. "Comparative study of Viscosity variation with functional group of liquid molecules using FT-IR spectroscopy". Journal of Emerging Technologies and Innovative Research, JETIR Vol. 6 Issue 1 2019, pp 703-708, ISBN No. 2349-5162. UGC Approved Journal 63975.
7. "Preparation and Characterization of Tungsten Oxide Thick Film Gas Sensor", International Journal of Engineering Science Invention (IJESI) Vol. 7 Issue 7 (July 2018) pp 66-77, ISBN No. 2319-6734. UGC Approved Journal 2573.
"Measurement Studies: Mixing Properties of Binary Liquid Mixtures of Ester with Alkanols at Various Temperature". Researchers World, Vol- IX, special Issue, (2018) pp 95-97, ISBN No. 2231-4172. UGC Approved Journal 10509.
9. "Influence of Firing Temperature on Nature of Screen Printed WO₃ Thick Films" Researchers World, Vol. 9 (2018) pp 1-4, ISBN No. 2231-4172. UGC Approved Journal 10509.
10. "NO₂ Gas Sensing Properties of Screen Printed WO₃ Thick Films", International Journal of Chemical and Physical Sciences-IJCPS, Vol. 7 (2018), pp 375-381, ISBN No. 2319-6602. Peer reviewed refereed journal.
11. "Synthesis and Ammonia gas sensing study of Al doped WO₃ nanoparticles, International Journal of Research and Analytical Reviews (IJRAR.ORG) Vol.5, Issue 3, August 2018 pp.225-235, E-ISSN 2348-1269, P-ISSN 2349-5138. UGC Approved 43602.
12. "Indoor Power Generation by Vaseline Glass Plate Doped with Non-Fermi Liquid behaviour of Electron Metals (UXTh_{1-x}PdSi₂, x ≤ 0.07)". International Journal of Creative Research Thoughts (IJCRT), Vol.5, 1 March 2017 pp.871-873 2320-2882. Peer reviewed refereed journal.
13. "Excess internal pressure and excess enthalpies of some binary liquid mixtures of Ethyl Acetate with alkanols (C₁-C₄) at 298.15 K, 303.15 K and 308.15 K", Journal of Emerging Technologies and Innovative Research, JETIR Vol. 3 Issue 2 February 2016, ISBN No. 2349- 5162, UGC Approved 63975.
14. "Development of H₂S gas sensor using Nano Tungsten Oxide". Researchers World, Vol. 7, Special Issue-4 (5), Dec. 2016, pp117-118, ISBN: 2231-4172. UGC approved International

Refereed Social Sciences Journal.

15. "Screen Printed ZnO Films as H₂S Sensor" Bionano Frontier, Vol. 8 (3) (2015) pp 87-89. Print-0974-0678, Online 2320-9593. UGC Approved Journal of Science and Technology.
16. "Study of structural, morphological and optical properties of screen-printed thick films of titanium with tin oxide composition at high temperature", Journal of Advanced scientific research Sciensage, ISSN 0976-9595. UGC Listed & Peer Reviewed Refereed Journal.
17. Research Study of Structural, Morphological and Optical Properties of Screen-Printed thick Films of Titanium Oxide with Tin Oxide Composition, Asian Journal of Organic & Medicinal Chemistry. Volume 7, Number 2, April-June 2022, ISSN: 2456-8937. UGC care approved journal. <https://ajomc.asianpubs.org/>

Books published / chapter in a book

1. S. Y. B. Sc. Sem II Paper I: Oscillations, Waves and Sound: (Prashant Publication)
2. S. Y. B. Sc. Sem II Paper II: Optics: Prashant Publication

Conferences/Seminars/ Workshop organized / attended

1. Participated in one day workshop on revision of syllabus for B. Sc. Physics on 26th Dec 2012 at K. K. W. ASC college, Pimpalgaon (B.) Nashik.
2. State level workshop on 28-29 Dec 2012. Topic: Recent Trends in Nano Technology at M. G. V's LVH College, Panchavati, Nashik-03. Research article: Enhancement of gas sensitivity by nano-sized metal oxide film using screen printed technology.
3. National level conference on 6-7 Feb 2013. Topic: Modern Techniques in chemical Analysis at Arts and Science College, Dondaicha, Dist. Dhule. Research paper: Excess internal pressure and excess enthalpies of some binary liquid mixtures of Ethyl Acetate with alcohols.
4. National level conference on 23-24 Oct 2013. Topic: Women Empowerment at M. G. V's SPH College, Malegaon camp (Nashik). Research article: Gender equality and women empowerment.
5. National level conference on 12-13 January 2015. Topic: Recent Trends in Advance Communication at M. G. V's LVH College, Panchavati, Nashik-03. Investigation on the performance of zero pollution and high efficiency of otto engine.
6. Co-ordinator of one day workshop on the T. Y. B. Sc. Physics syllabus revision on 28th Jan 2015 at L. V. H. College.
7. State level: Nano-Technology and Human Health, KPG ASC College, Igatpuri, Nashik. The present and future of nanotechnology in human health alertness. 16-17 January 2015.
8. National level conference on 7-8 August 2015. Topic: Innovative Research Techniques in Chemical and Physical Sciences. Rayat Shikshan Sanstha's SSGM College, Kopargaon, A'nager. Density and viscosity study of sucrose & maltose in aqueous KBR at 308.15 K and 313.15 K.
9. International level conference on 7-9 Jan 2016. Topic: / Herbal and Synthetic drug studies M. C. E. Society's Abeda Inamdar Senior College of ASC, Pune. Research article: Measurement study of liquid mixtures of ester with alkanols at various temperature.
10. International level conference on 12-14 Dec 2016. Topic: Pure and Applied Sciences 2016. M. G. V's MSG College, Malegaon camp (Nashik). Research article: H₂S gas sensor using Nano Tungsten Oxide.
11. National conference on 20-21 January 2017. Topic: Emerging Trends in Chemistry and Nanoscience at M. G. V's LVH College, Panchavati, Nashik-03. Research article: Sensitivity enhancement of a SnO₂ doped tungsten oxide LPG sensor.
12. State level conference on 27-28 January 2017. Topic: Advanced materials and innovative processing ideas at Sahyadri Shikshan Mandal's Dindori, ASC College, Karanjali, Peth (Nashik). Research article: H₂S gas sensitivity enhancement of ZnO doped tungsten oxide sensor.

13. State level conference on 28 January 2017. Topic: Advanced materials and innovative processing ideas (AMIPI - 2017) at Sahyadri Shikshan Mandal's Dindori, ASC College, Karanjali, Peth (Nashik). Resource person, Topic: Gas sensing performance of Metal Oxide Film for detecting ambient gases.
14. International level conference on 12-13 January 2018. Topic: Advances in functional materials Maratha Vidya Prasarak Samaj's, KTHM College, Nashik. Research paper: Gas Sensing Properties of Screen Printed WO₃ Thick Films.
15. International level conference on 18-20 January 2018. Topic: Innovations in Nanomaterials and their applications M. G. V's LVH College, Panchavati, Nashik-03. Research article: Effect of firing temperature on nature of screen printed WO₃ thick films.
16. Participated in one day workshop on revision of syllabus for S. Y. B. Sc. Physics on 18th Jan 2020 at K. T. H. M. College, Nashik.
17. State level conference on 20-21 January 2020. Topic: Innovative nano materials have better future in emerging basic sciences at Sahyadri Shikshan Mandal's Dindori, ASC College, Karanjali, Peth (Nashik) Research article: H₂S gas sensor by WO₃ and ZnO as additive thick film.
18. International level conference on 18-20 January 2022. Topic: Current Research in Chemistry and Nanosciences (CRCNS-2022) at M. G. V's LVH College, Panchavati, Nashik- 03. Paper: study of structural, morphological and optical properties of screen-printed thick films of titanium oxide with tin oxide composition.

Experience as Resource Person

1. State level conference: Advanced materials and innovative processing ideas (AMIPI - 2017) at Sahyadri Shikshan Mandal's Dindori, ASC College, Karanjali, Peth (Nashik) on 28th January 2017. Resource person, Topic: Gas sensing performance of Metal Oxide Film for detecting ambient gases.
2. State level conference: Innovative nano materials have better future in emerging basic sciences at Sahyadri Shikshan Mandal's Dindori, ASC College, Karanjali, Peth (Nashik) on 21st January 2020 Resource person: Topic: Nanomaterial and their applications.

Social Media links

Research Scholar <https://scholar.google.com/citations?hl=en&user=Zh6M1EgAAAAJ>

Whats app <https://wa.me/qr/4QFUMNKU7VOMI1>