

RESEARCH PROFILE

1. Research Papers published in journals:

Sr. No	Title	Name of Authors as mentioned in paper	Journal, Vol. No. Page No. Year	Impact Factor if any	ISSN/ ISBN No.
01	Studies on Molecular Interaction in Enriched Antioxidant Piper Nigrum with NaCl through Ultrasonic Interferometer	Pallavi B. Nalle , P.S. Aghav, V.D. Murumkar, R.G. Dorik, K.M. Jadhav	I.J. Advanced Research in Basic and Applied Sciences, Vol. 2(1), July 2015. pp. 29-31 2015-16.		ISSN No. 2394-4072
02	Ultrasonic Studies on Some Bio molecular Aqueous Solution at 303.15 K	Sangita Shinde, Pallavi B. Nalle , J.B. Mote, N.D. Chaudhari, B.R. Sharma, B.R. Shinde	I.J. Advanced Research in Basic and Applied Sciences Vol. 2(1), July 2015. pp. 53-55 2015-16.		ISSN No. 2394-4072
03	Effect of Drug Piper Nigrum on Physicochemical Properties of Zinc Chloride at Varying Concentration and Temperature Investigated Through Ultrasonic Tool	Pallavi Nalle , Shankar D. Birajdar, B. R. Shinde, R.G. Dorik, K.M. Jadhav	Cogent Chemistry (2016), 2 July 2016, Taylor and Francis Group doi: http://dx.org/10.1080/23312009.2016.1216721 . pp. 1-15 2016-17		doi: http://dx.org/10.1080/23312009.2016.1216721
04	Effect of drug Piper nigrum on magnesium chloride at varying concentration and temperature through ultrasonic method: A thermoacoustic study	Pallavi B. Nalle , S.S. Deshmukh, R.G. Dorik and K.M. Jadhav	Cogent Physics (2016), 3: 21 Nov 2016, Taylor and Francis Group doi: http://dx.doi.org/10.1080/23311940.2016.1262572 pp. 1-18 2016-17		doi: http://dx.doi.org/10.1080/23311940.2016.1262572
05	Acoustic and Thermodynamic Study of Piper Nigrum and	Pallavi B. Nalle , B. R. Shinde, R. G. Dorik and K. M.	I.J. Advanced Research in Basic and Applied		ISSN No.2394-4072

	Zinc Chloride at Varying Temperatures by Ultrasonic Technique	Jadhav	Sciences Vol. 3(1), July 2016 pp. 51-56 2016-17		
06	Acoustical and Excess Parameters in Binary Liquid Mixture at Temperature 303.15 K	Pallavi B. Nalle , B. R. Shinde, S. U. Shinde, R. G. Dorik and K. M. Jadhav	Journal of Pure and Applied Ultrasonics (Ultrasonic Society of India) Vol. 39(1) JANUARY-MARCH 2017 pp. 1-7 2017		ISSN 0256-4637
07	Acoustical and Excess Parameter Studies of Piperine with MgCl ₂	Pallavi B. Nalle , R. G. Dorik and K. M. Jadhav	Journal of Pure and Applied Ultrasonics (Ultrasonic Society of India). Vol. 41(2), APRIL-JUNE 2019 pp. 27-35 2017-18		ISSN 0256-4637
08	Smartphone Applications for Health Management	Pallavi B. Nalle , Sangita U. Shinde, Kamlakar M. Jadhav	International Seminar on Contemporary Issues in Commerce and Management Vol. 6(1), March 2019 pp. 38-41 2018-19	5.75	E-ISSN 2348-1269 P-ISSN 2349-5138
09	Mobile Applications for Teaching Physics	Sangita U. Shinde, Pallavi B. Nalle , Kamlakar M. Jadhav	International Seminar on Contemporary Issues in Commerce and Management Vol. 6(1) pp. 47-51 March 2019	5.75	E-ISSN 2348-1269 P-ISSN 2349-5138
10	Ultrasonic investigations of CuO Nanoparticles Dispersed in PVA Matrix	Pallavi B. Nalle , Asha A. Nawpute, Sangeeta Shinde, B. R. Shinde, P. P. Khirade, R. G. Dorik, K. M. Jadhav.	Bionano Frontier, Vol. 6 Issue 4 pp. 205-207 Oct 2013		ISSN 0974-0678 Online 2320-9593

11	Synthesis, Structural and Ultrasonic Characterization of CuO Nanofluid	Pallavi B. Nalle , Asha Navpute, S. P. Jadhav, B. R. Shinde, S. U. Shinde, K. M. Jadhav	International Journal of Science and Research (IJSR) Jan 2015 pp. 208-210 2015	4.438	ISSN (Online) 2319-7064
12	Ultrasonic Investigations of Drug Piper Nigrum in Metal Ions at 303.15 K Temperature	Pallavi B. Nalle , C. M. Kale, S. U. Shinde, R. G. Dorik	Bionano Frontier Vol. 8 (3) pp. 168-170 December 2015		ISSN 0974-0678, online 2320-9593.
13	Acoustic Study of Officinale Zingiber and Zinc Chloride at Varying Concentration by Ultrasonic Investigation	Pallavi B. Nalle , Sangita U. Shinde and K. M. Jadhav	International Journal of Advance and Innovative Research Vol. 6, Issue 1 (XIX) Jan-March 2019 Part -2 pp. 68-71 2019		ISSN 2394-7780
14	Ultrasonic Investigation of Herbal Extract <i>Officinale Zingiber</i> at Temperature 308.15K	Pallavi B. Nalle , Sangita U. Shinde and K.M. Jadhav	Review of Research Vol 1, Issue 1 pp. 51-55. March 2019	5.7631 (UIF)	ISSN 2249-894x
15	Synthesis and Acoustical Characterization of Binary Liquid System at Temperature 313.15 K	Sangita Shinde, Pallavi Nalle , B. R. Sharma, K. M. Jadhav	Review of Research Vol 1, Issue 1, March 2019 pp. 46-50 2019	5.7631 (UIF)	ISSN 2249-894x
16	Ultrasonic Investigation of Drug Zingiber officinale with Metal Ions as a Function of Concentration	Pallavi B. Nalle , Sangita U. Shinde, N. B. Thakare, and Prafull P. Padghan	Macromolecular Symposia 392,2000080 pp. 1-4 2020		DOI: 10.1002/masy.20200080
17	Characterisation Techniques for An Monuments: Overview	Pallavi B. Nalle , Sangita Shinde, D. N. Bhoyar, V. B. Huse	Our Heritage Vol-68, Special Issue-11 pp. 331-335 2020	6.8	ISSN: 0474-9030

18	Jayakwadi Hydro-Power plant- A Birds Eye view	Sangita Shinde, Pallavi Nalle , S.B. Patil, F.B. Quadri, N.D. Chaudhari, B.R. Sharma	Our Heritage Vol-68, Special Issue-11 2020 pp. 528-535 2020	6.8	ISSN: 0474-9030
19	COVID – 19 Pandemic: Wake – up Call of Digital Transformation for Education System	Pallavi B. Nalle , Sangita Shinde, Mangesh Manke, S. S. Kale	B.Aadhar'International Peer-Reviewed Indexed Research Journal Issue No, 252 (CCXLIII) 2020 pp. 47-51 2020	7.675	ISSN: 2278-9308
20	Impact of COVID-19 on the Teaching and Learning of Science in Higher Education	Sangita Shinde, Pallavi Nalle, Qudari F. B.	B.Aadhar'International Peer-Reviewed Indexed Research Journal Issue No, 252 (CCXLIII) 2020 pp. 52-55 2020	7.675	ISSN: 2278-9308
21	Review Article on Impact of COVID-19 Pandemic on Education, Employment, Culture and Human Health in World	S. S. Kale, P. P. Padghan and P. B. Nalle	B.Aadhar'International Peer-Reviewed Indexed Research Journal Issue No, 252 (CCXLIII) 2020 pp. 81-83 2020	7.675	ISSN: 2278-9308
22	Multiferroic Fe ³⁺ ion doped BaTiO ₃ Perovskite Nanoceramics: Structural, Optical, Electrical and Dielectric Investigations	Dhananjay N. Bhojar, Sandeep B. Somvanshi, P. B. Nalle , V. K. Mande, A. A. Pandit, K. M. Jadhav	Journal of Physics: Conference Series 1644(2020)012058 2020 pp. 1-12 2020		Doi: 10.1088/1742-6596/1644/1/012058

2. Full Papers in Conference proceedings:

Sr. No.	Name of Conference	Level	Title of Paper	Name of Authors as mentioned in paper	Place & Date	ISSN/ ISBN No.
01	National Seminar on Innovative Teaching Methods, Deogiri College, Aurangabad, Maharashtra.	National	Personal Response System : An Innovative Method In Teaching Physics	Asha A. Navpute, Pallavi B. Nalle , S.D. Birajdar, P.P. Khirade, Sangeeta Shinde, K.M.Jadhav	Deogiri College, Aurangabad, Maharashtra30-31 Aug 2013	ISBN 978-81-926750-0-9
02	National Conference, Abasaheb Garware College, Pune, Maharashtra,	National	Ultrasonic investigations of CuO Nanoparticles Dispersed in PVA Matrix.	Pallavi B. Nalle , Asha A. Nawpute, Sangeeta Shinde, B. R. Shinde, P. P. Khirade, R. G. Dorik, K. M. Jadhav.	Abasaheb Garware College, Pune, Maharashtra Oct. 2013	ISSN 0974-0678 Online 2320-9593
03	UGC Sponsored National Conference, Mahatma Gandhi College, Ahamedpur, Dist. Latur, Maharashtra.	National	Antioxidant Activity Extracted Black Pepper Fruit with Metal Through Ultrasonic Investigation	Pallavi B. Nalle , B. R. Shinde, , Shinde S. U. Jadhav S. M., Dorik R.G., Jadhav K.M	Mahatma Gandhi College, Ahamedpur, Dist. Latur, Maharashtra, Sept. 2014.	---
04	International Symposium on Ultrasonics, Nagpur University, Nagpur, Maharashtra.	International	Synthesis, Structural and Ultrasonic Characterization of CuO Nanofluid	Pallavi B. Nalle , Asha Navpute, S. P. Jadhav, B. R. Shinde, S. U. Shinde, K. M. Jadhav	Nagpur Jan. 2015.	ISSN (Online) 2319-7064
05	International Conference on Functional Materials and Microwaves, Dr. B. A. M. University, Aurangabad.	International	Ultrasonic Investigations of Drug Piper Nigrum in Metal Ions at 303.15 K Temperature	Pallavi B. Nalle , C. M. Kale, S. U. Shinde, R. G. Dorik	Dr. B. A. M. University, Aurangabad. December 2015	ISSN 0974-0678, online 2320-9593.

06	103 rd Indian Sci. Congress, University of Mysore, Mysuru, Jan 2016	National	Variation of Acoustical Parameters of Herbal Extract Piper Nigrum with Metal Ions at 2 MHz Frequency	Pallavi B. Nalle , S. N. Karajangi, Sangita U. Shinde, B. R. Shinde, V. G. Patil, K. M. Jadhav	University of Mysore, Mysuru. 3-7 January 2016	
07	103 rd Indian Sci. Congress, University of Mysore, Mysuru, Jan 2016	National	Synthesis and Morphological Studies of CuO Nanoparticles Obtained by Sol-Gel Method.	B. R. Shinde, N.N. Waghule, S. S. Jadhav, Pallavi B. Nalle , R.G. Vidhate, K.M. Jadhav	University of Mysore, Mysuru. 3-7 January 2016	
08	National Conference on Functional Materials Synthesis and Characterization Techniques	National	Acoustic Study of Officinale Zingiber and Zinc Chloride at Varying Concentration by Ultrasonic Investigation	Pallavi B. Nalle , Sangita U. Shinde and K. M. Jadhav	Vaijnath, Dist. Beed, Maharashtra. 2 March 2019.	ISSN 2394-7780
09	National Conference on Recent Advances in Nanotechnology	National	Ultrasonic Investigation of Herbal Extract <i>Officinale Zingiber</i> at Temperature 308.15K	Pallavi B. Nalle , Sangita U. Shinde and K.M. Jadhav	Toshniwal Arts, Commerce & Science College, Sengaon Dist. Hingoli, Maharashtra. March 2019	ISSN 2249-894x
10	National Conference on Recent Advances in Nanotechnology	National	Synthesis and Acoustical Characterization of Binary Liquid System at Temperature 313.15 K	Sangita Shinde, Pallavi Nalle , B. R. Sharma, K. M. Jadhav	Toshniwal Arts, Commerce & Science College, Sengaon Dist. Hingoli, Maharashtra March 2019	ISSN 2249-894x

11	Fourth International Conference on Advances in Materials Science(ICAMS-2020)	International	Ultrasonic Investigation of Drug Zingiber officinale with Metal Ions as a Function of Concentration	Pallavi B. Nalle , Sangita U. Shinde, N. B. Thakare, and Prafull P. Padghan	Raje Ramrao Mahavidyalaya, Jath. 20th – 21st January 2020	DOI: 10.1002/masy.202000080
12	One Day Multidisciplinary National Conf on “Arts, Sculpture and Architecture in Marathwada”		Characterisation Techniques for Monuments: An Overview	Pallavi B. Nalle , Sangita Shinde, D. N. Bhoyar, V. B. Huse	Pratishthan Mahavidyalaya, Paithan, Dist. Aurangabad. 01 Feb 2020	ISSN: 0474-9030
13	One Day Multidisciplinary National Conf on “Arts, Sculpture and Architecture in Marathwada”		Jayakwadi Hydro-Power plant- A Birds Eye view	Sangita Shinde, Pallavi Nalle , S.B. Patil, F.B. Quadri, N.D. Chaudhari, B.R. Sharma	Pratishthan Mahavidyalaya, Paithan, Dist. Aurangabad. 01 Feb 2020	ISSN: 0474-9030
14	One Day Online International Conference in Interdisciplinary Subjects on “The History of Pandemic like Covid-19 & its Impacts on Socio-Economic & Political Sectors in the Word”		COVID – 19 Pandemic: Wake – up Call of Digital Transformation for Education System	Pallavi B. Nalle , Sangita Shinde, Mangesh Manke, S. S. Kale	Vasantrao Kale Mahavidyalaya, Dholi. Dist. Osmanabad. 20 October 2020.	ISSN: 2278-9308
15	One Day Online International Conference in Interdisciplinary Subjects on “The History of Pandemic like Covid-19 & its Impacts on Socio-Economic & Political Sectors in the Word”		Impact of COVID-19 on the Teaching and Learning of Science in Higher Education	Sangita Shinde, Pallavi Nalle , Qudari F. B.	Vasantrao Kale Mahavidyalaya, Dholi. Dist. Osmanabad. 20 October 2020.	ISSN: 2278-9308
16	One Day Online International Conference in Interdisciplinary Subjects on “The	International	Review Article on Impact of COVID-19 Pandemic on Education,	S. S. Kale, P. P. Padghan and P. B. Nalle	Vasantrao Kale Mahavidyalaya, Dholi. Dist. Osmanabad. 20 October	ISSN: 2278-9308

	History of Pandemic like Covid-19 & its Impacts on Socio-Economic & Political Sectors in the Word"		Employment, Culture and Human Health in World		2020.	
17	1 st International Web Conference on Advanced Material Science and Nanotechnology 2020	International	Multiferroic Fe ³⁺ ion doped BaTiO ₃ Perovskite Nanoceramics: Structural, Optical, Electrical and Dielectric Investigations	Dhananjay N. Bhoyar, Sandeep B. Somvanshi, P. B. Nalle, V. K. Mande, A. A. Pandit, K. M. Jadhav	Dept. of Physics, Vinayak Vidnyan Mahavidyalaya, Nandgaon Khandeshwar, Dist. Amravati. 2020	Doi: 10.1088/1742-6596/1644/1/012058

3. Papers presented in Conferences / Seminar / Symposia /Workshop:

Sr. No.	Title of Paper	Title of Event	Level	Date	Organizer
01	Personal Response System : An Innovative Method In Teaching Physics	U.G.C. Sponsored Two-day National Seminar on Innovative Teaching Methods in Physics	National	30-31 Aug. 2013	Deogiri College, Aurangabad, Maharashtra
02	Ultrasonic investigations of CuO Nanoparticles Dispersed in PVA Matrix.	National Conference on Emerging Trends in Lasers and Advanced Materials	National	28-29 Oct. 2013	Abasaheb Garware College, Pune, Maharashtra
03	Antioxidant Activity Extracted Black Pepper Fruit with Metal Through Ultrasonic Investigation	UGC Sponsored National Conference on Non Conventional Energy Sources for Rural Development of India	National	5-6 Sept. 2014	Mahatma Gandhi College, Ahamedpur, Dist. Latur, Maharashtra
04	Studies on Molecular Interaction in Enriched Antioxidant Piper Nigrum with NaCl Through Ultrasonic Interferometer	DAE Solid State Physics Symposium	National	16-20 Dec. 2014	Bhabha Atomic Research Center & DAE BRNS, VIT University.
05	Synthesis, Structural and Ultrasonic Characterization of CuO	International Symposium on Ultrasonics	International	22, 23 & 24 Jan.	Nagpur University, Nagpur,

	Nanofluid			2015	Maharashtra
06	Ultrasonic Investigations of Drug Piper Nigrum in Metal Ions at 303.15 Temperature	International Conference on Functional Materials and Microwaves	International	28-30 December 2015	Dr. B. A. M. University, Aurangabad.
07	Variation of Acoustical Parameters of Herbal Extract Piper Nigrum with Metal Ions at 2 MHz Frequency	103rd Indian Sci. Congress,	National	3-7 Jan 2016	University of Mysore, Mysuru.
08	Synthesis and Morphological Studies of CuO Nanoparticles Obtained by Sol-Gel Method	103rd Indian Sci. Congress,	National	3-7 Jan 2016	University of Mysore, Mysuru.
10	Acoustic Study of Officinale Zingiber and Zinc Chloride at Varying Concentration by Ultrasonic Investigation	National Conference on Functional Materials Synthesis and Characterization Techniques	National	02 March 2019	Dept. of Physics, Vaidyanath College, Parli-Vaijnath, Dist. Beed, Maharashtra
11	Synthesis and Acoustical Characterization of Binary Liquid System at Temperature 313.15 K	National Conference on Recent Advances in Nanotechnology	National	05 March 2019	Toshniwal Arts, Commerce & Science College, Sengaon Dist. Hingoli, Maharashtra.
12	Ultrasonic Investigation of Drug Zingiber officinale with Metal Ions as a Function of Concentration	Fourth International Conference on Advances in Materials Science (ICAMS- 2020)	International	20-21 Jan. 2020	Raje Ramrao Mahavidyalaya, Jath.
13	Characterisation Techniques for Monuments: An Overview	One Day Multidisciplinary National Conf on Arts, Sculpture and Architecture in Marathwada	National	01 Feb 2020	Pratishthan Mahavidyalaya, Paithan, Dist. Aurangabad.

14	Jayakwadi Hydro-Power plant- A Birds Eye view	One Day Multidisciplinary National Conf on Arts, Sculpture and Architecture in Marathwada	National	01 Feb 2020	Pratishthan Mahavidyala ya, Paithan, Dist. Aurangabad.
15	COVID – 19 Pandemic: Wake – up Call of Digital Transformation for Education System	One Day Online International Conference in Interdisciplinary Subjects on The History of Pandemic like Covid-19 & its Impacts on Socio-Economic & Political Sectors in the Word	Internati onal	20 October 2020	Vasantrao Kale Mahavidyala ya, Dholi. Dist. Osmanabad.
16	Impact of COVID-19 on the Teaching and Learning of Science in Higher Education	One Day Online International Conference in Interdisciplinary Subjects on The History of Pandemic like Covid-19 & its Impacts on Socio-Economic & Political Sectors in the Word	Internati onal	20 th October 2020	Vasantrao Kale Mahavidyala ya, Dholi. Dist. Osmanabad.
17	Review Article on Impact of COVID-19 Pandemic on Education, Employment, Culture and Human Health in World	One Day Online International Conference in Interdisciplinary Subjects on The History of Pandemic like Covid-19 & its Impacts on Socio-Economic & Political Sectors in the Word	Internati onal	20 October 2020	Vasantrao Kale Mahavidyala ya, Dholi. Dist. Osmanabad.
18	Study of Molecular Interactions in Binary Liquid Mixtures Containing ZnCl ₂	International Web Conference on Science, Engineering & Technology	Internati onal	15-16 May 2020	Society for Technologic ally Advanced Materials of India (STAMI)