

RESUME



Personal Information

Name: -	CHAUDHARI NANDKISHOR DAMODAR
Employee Code:	2711002162
Date of Birth:	30/06/1969
Joining Date: -	06/12/2004
Department: -	PHYSICS
Designation: -	PROFESSOR & HEAD
Category: -	OBC
Gender: -	MALE
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Email: -	nk.dchaudhari@gmail.com
Blood Group: -	B+
Current Address: -	Dept. of Physics, Pratishthan Mahavidyalaya, Paithan, Chha. Sambhajinagar
Permanent Address: -	RH No. D-5, BalajiVihar, Ram Nagar, At-Po-Tal- Paithan, Dist. Chha. Sambhajinar, 431 107

Academic Qualifications: -

Examination	Name of the Board/ University	Year of Passing	Percentage of Marks Obtained	Division / Class/ Grade	Subjects
SSC	Pune	1984	69%	I	Mar., Hin., Eng., Maths, Science, Soc. Science
HSC	Pune	1986	42%	Pass	Eng., Mar., Maths & Stats. Phys., Chem., Biology
UG (B.Sc.)	University of Poona, Pune	1989	66%	I	Physics
PG (M.Sc.)	University of Poona, Pune	1991	56%	B ⁺	Physics (Electronics)

Research Degree (s)

Degrees	Title	Date of award	Name of University
M. Phil	Studies on field quenched non-stoichiometric nickel ferrites	1995	Shivaji University, Kolhapur
Ph. D	Permeability studies on Li substituted Ni-Zn ferrites and Cu substituted Mn-Zn Ferrites	2000	Shivaji University, Kolhapur

Appointments held prior to Joining this Institution

Sr. No.	Designation	Name of Employer	Date of Joining	Date of Leaving	Reason of leaving if any
1	Lecturer	ICS College, Khed Dist. Ratnagiri	01 Sept.1999	03/05/2003	Temporary, Non-grant basis
2	Lecturer	DBJ College, Chiplun	09/08/2003	30/04/2004	Temporary CHB
3	Lecturer	DBJ College, Chiplun	16/06/2004	04/12/2004	Temporary CHB

Posts held after Appointment in this Institution: -

Designation	Department	Date of Joining	
		From	To
Lecturer	Physics	06/12/2004	06/12/2016
Associate Professor	Physics	06/12/2016	08/11/2020
Professor	Physics	08/11/2020	To till date

Teaching and Research Experience:-

Sr. No.	UG	PG	Research Experience
1	20 years	-----	25 years

Fields of Specialization under the Subject / Discipline –

Degree	Specialization
U.G (B.Sc.)	Physics
P.G (M.Sc.)	Physics (Electronics)
M. Phil.	Material Science
Ph.D.	Material Science

Orientation / Refresher Course/ FDP/ MOOC/ Attended-

Sr. No	Title of the Course	Place	Date and Duration (Period)	Name of Organizer
1	UGC sponsored 74 th Orientation Programme	ASC, Dr. BAMU, Aurangabad	04/09/2008 to 01/10/2008	ASC, Dr. BAMU, Aurangabad
2	UGC sponsored Special Winter School Programme	ASC, Dr. BAMU, Aurangabad	15/01/2013 to 05/02/2013	ASC, Dr. BAMU, Aurangabad

3	UGC sponsored Special Summer School Programme	ASC, Dr. BAMU, Aurangabad	26/05/2014 to 14/06/2014	ASC, Dr. BAMU, Aurangabad
4	UGC sponsored Short Term Course on Nanoscience and Nanotechnology	ASC, Dr. BAMU, Aurangabad	29/08/2016 to 03/09/2016	ASC, Dr. BAMU, Aurangabad

Involvement in University Work- Management Council/Academic Council/BOS / Syllabus Restructuring/Paper Assessment/Paper Setting/ Examination related Duties/Any other:-

Sr. No	Name of Activity	From Date	To Date
1	Worked as CS for University Exam. (PG)	2006	2006
2	Understudy for UG & PG University Examination	2010-2011	
3	Understudy for UG & PG University Examination	2013-2014	
4	Understudy for UG & PG University Examination	2016-2017	
5	Chairman and member of Question Paper Setting	Every year/Semester	
6	Chairman of Affiliation Committee, Dr. BAMU Chha. Sambhajinagar	2013-2014,	
7	Member of Affiliation Committee, Dr. BAMU Chha. Sambhajinagar	2013-2014, 2018-19, 2020-21	
8	Subject expert for CAS, Dr. BAMU Chha. Sambhajinagar	2021, 2022, 2023, 2024	
9	Subject expert for Interview of Assist. Professor, Dr. BAMU Chha. Sambhajinagar	2022, 2023	
10	VC nominee for interview of Principal at Late M. D. Sisode ACS college, Nardana, Dist. Dhule	10/08/2023	
11	VC nominee for interview of Principal at Dadasaheb Rawal College, Dondaicha, Dist. Dhule	19/07/2023	
12	Counselor for B.Sc/M.Sc Biotechnology Course YCMOU, Nashik	2012-13	2016-17
13	Counselor for B.Sc (V-92) Course YCMOU, Nashik	2016-17	To till Date
14	Internal and External Examiner for Practical exams	Every Semester/year	
15	Assessment of answer book	Every Semester/year-	
16	Invigilation duties for theory examination	Every Semester/year	
17	Member of Vigilance Squad for University Exam. Dr. BAMU Chha. Sambhajinagar	2018-19	
18	Question Paper setter for B.Sc (Physics), YCMOU, Nashik	2019-2020	

Involvement in College Work/Committees:-

Sr. No	Name of Activity	From Date	To Date
1	Member of LMC/CDC, Pratishthan Mahavidyalaya, Paithan	From 2015	Till date
2	Working as IQAC Coordinator	From 2017	Till date
3	Head, Department of Physics, PM Paithan	From 2021	Till date
4	Worked as a Treasurer for UGC sponsored National Seminar on Effect of Synthetic Drugs on Human Metabolism organized at PM Paithan	08-09 Feb. 2008	
5	Worked as a Treasurer for Regional Workshop on Revised Syllabus of Fishery Science for UG Teachers based on Semester Pattern organized PM Paithan	15 Feb. 2010	
6	Worked as a Treasurer for Regional Workshop on Syllabus on Mathematics for UG Course organized PM	14 Feb. 2012	

	Paithan		
7	Worked as a Treasurer for UGC sponsored National Conference on New Emerging Trends in Environment to Control and Prevent Pollution organized PM, Paithan	24-25 Mar. 2017	
8	In-charge, Compulsory Computer course	2005-06	2016-2017
9	Coordinator- UGC Carrier Oriented Programme Certificate Course in Computer	2007	2012
10	Coordinator- UGC Carrier Oriented Programme Certificate Course Hardware Maintenance in Computer	2011	2016
11	Worked as assistance for NSS Special Camp	2015-16, 2017-18, 2018-19, 2019-20, 2021-22	
12	Chairman of Registration Committee for one day interdisciplinary National Conference on Arts, Sculpture and Architecture in Maharashtra	01/02/2020	
13	Member of various committees in the college	Every Year	
14	Member of Student Forum	2010-2011	
15	Member of SSR/AQAR preparation committee and related activities	2014	2016
16	Participated in all cultural and other activities in college as committee member	Every year	

Research Papers published in Peer Reviewed / UGC listed/ UGC care listed Journals:

Sr. No.	Title of paper	Journal Name, Page No, Vol. No., Year of Publication	ISSN/ ISBN No.	Impact Factor, if any	Link if any
1	Magnetic Hysteresis in Sn^{4+} doped Ni-Zn ferrites.	Mat. Chem. Phys. , Vol. 41, (1995), pp. 154-157 Elsevier (Taiwan) Indexed by: Science Citation Index and Scopus	ISSN- 0254-0584 UGC listed Jr. No.3971	Impact Factor 2.74	https://doi.org/10.1016/0254-0584(95)80021-2
2	X-ray and bulk magnetic properties of aluminium substituted ferrites.	J. Magn. Magn. Mat. , Vol. 159 (1996), pp. 361-366 Elsevier (North Holland) Indexed by: Science Citation Index and Scopus	ISSN - 0304-8853 UGC listed Jr. No.24378	Impact Factor 2.83	https://doi.org/10.1016/0304-8853(95)00946-9
3	Effect of sintering condition and Al^{3+} addition on wall permeability in $\text{Ni}_{1-x}\text{Zn}_x\text{Al}_t\text{Fe}_{2-t}\text{O}_4$ ferrites.	Mat. Chem. Phys. , Vol. 46 (1996), pp. 96-99 Elsevier (Taiwan) Indexed by: Science Citation Index and Scopus	ISSN - 0254-0584 UGC listed Jr. No.3971	Impact Factor 2.74	https://doi.org/10.1016/0254-0584(96)01746-4
4	Synthesis and Initial susceptibility studies on Mn substituted Ni-Zn ferrites.	J. of Inter. Acad. of Phys. Sci. , No. 1-2. (1997), pp. 109-115 Inter. Acad. of Phy. Sci.	ISSN 0974-9373	Peer Reviewed	
5	Relaxation times in Al^{3+} substituted Ni-Zn ferrites.	Tr. J. Physics , Vol. 21(5), (1997), pp. 677-681 Indexed by: Scopus	E-ISSN: 1303-6122 ISSN: 1300-0101 UGC listed Jr. No.36987	Impact Factor 1.20	https://journals.tubitak.gov.tr/physics/vol21/iss5/

6	Initial permeability studies on high density Cu-Mg-Zn ferrites.	J. Magn. Magn. Mat. , Vol. 173, (1997), pp. 51-58 Elsevier (North Holland) Indexed by: Science Citation Index and Scopus	ISSN - 0304-8853 UGC listed Jr. No.24378	Impact Factor 2.83	https://doi.org/10.1016/S0304-8853(97)00178-9
7	Magnetization studies on aluminium and chromium substituted Ni-Zn ferrites.	J. Magn. Magn. Mat. , Vol. 186, (1998), pp. 349-356 Elsevier (North Holland) 8Indexed by: Science Citation Index and Scopus	ISSN- 0304-8853 UGC listed Jr. No.24378	Impact Factor 2.83	https://doi.org/10.1016/S0304-8853(97)01156-6
8	Relaxation time studies on $\text{Ni}_{0.7}\text{Zn}_{0.3}\text{Al}_x\text{Fe}_{2-x}\text{O}_4$ and $\text{Ni}_{0.7}\text{Zn}_{0.3}\text{Cr}_x\text{Fe}_{2-x}\text{O}_4$.	Mat. Chem. Phys. , Vol. 53, (1998), pp. 77-79 Elsevier (Taiwan) Indexed by: Science Citation Index and Scopus	ISSN- 0254-0584 UGC listed Jr. No.3971	Impact Factor 2.74	https://doi.org/10.1016/S0254-0584(97)02058-0
9	Initial permeability studies on Al^{3+} and Cr^{3+} substituted Ni-Zn ferrites.	J. Mat. Sci. Mat. in Elect. , Vol.9, (1998), pp. 173-179 Chapman & Hall Indexed by: Science Citation Index and Scopus	ISSN- 0957-4522 UGC listed Jr. No.24464	Impact Factor 2.16	https://doi.org/10.1023/A:1008884400574
10	Synthesis of High permeability Cu-Mg-Zn ferrites using Oxalate Precursors.	IEEE Trans on Magn. , Vol. 34(2), (1998), pp. 535-541 IEEE Indexed by: Web of Science, Science Citation Index and Scopus	ISSN- 0018-9464 UGC listed Jr. No.29992	Impact Factor 1.71	https://doi.org/10.1109/20.661487
11	Characterization and Conductivity studies of Al^{3+} and Cr^{3+} substituted Ni-Zn ferrites.	Proc. Of Int. Conf. on Computer & devices for Comm., Allied Pub. Ltd, New Delhi (1998) pp. 280-282	ISBN 81-7023-767X	-----	
12	Thermo-analytical studies on Cu-Mg-Zn ferrites.	J. Thermal Analysis and Calo , Vol.55, (1999), pp. 851-859 Springer Science+ Business Medis, Inc Indexed by: Science Citation Index and Scopus	ISSN -1418-2874 UGC care listed	Impact Factor 3.2	https://doi.org/10.1023/A:1010133800797
13	XRD analysis and bulk magnetic properties of Al^{3+} substituted Cu-Cd ferrites.	Mat. Chem. Phys. , Vol. 59, (1999), pp. 199 To 203 Elsevier (Taiwan) Indexed by: Science Citation Index and Scopus	ISSN- 0254-0584 UGC listed Jr. No.3971	Impact Factor 2.74	https://doi.org/10.1016/S0254-0584(99)00046-2
14	Synthesis and bulk magnetic properties of Ni-Zn ferrites	Proc. Of Nat. Conf. on Elect. Mat. Devices and systems, (1999) pp. 225-230	-----	-----	

15	Thermal Hysteresis of initial permeability studies of Cu substituted Ni-Zn ferrites.	Proc. Of Nat. Conf. on Elect. Mat. Devices and systems, (1999) pp. 231- 234	-----	-----	
16	Magnetic Hysteresis and domain states in Li ¹⁺ substituted Ni-Zn ferrites.	J. Mat. Sci. Mat. in Elect., Vol. 13, (2002) pp. 277 To 283 Kluwer Academic Publishers Indexed by: Science Citation Index and Scopus	ISSN- 0957-4522 UGC listed Jr. No.24464	Impact Factor 2.16	https://doi.org/10.1023/A:1015515823456
17	Effect of temperature on X-ray, IR and magnetic properties of nickel ferrites prepared by oxalate co-precipitation method.	J. Mat. Sci. Mat. in Elect., Vol. 16, (2005) pp. 721 To 724 Springer Science+ Business Medis, Inc Indexed by: Science Citation Index and Scopus	ISSN - 0957-4522 UGC listed Jr. No.24464	Impact Factor 2.16	https://doi.org/10.1007/s10854-005-4974-5
18	Electrical Resistivity and thermo-electric power of Ni-Cd and Gd ³⁺ substituted Ni-Cd ferrites.	Proc. of Inter. Conf. on Adv. Mat. And Appl., (2007) pp. 01- 08	-----	-----	
19	Unusual behavior of Mg _x Cu _{0.5-x} Zn _{0.5} Fe ₂ O ₄ ferrite system: Moss Bauer spectroscopic study and related magnetic properties	Proc. of Inter. Conf. on Adv. Mat. And Appl., (2007) pp. 01- 08	-----	-----	
20	Initial Permeability and Loss Factor studies on Li ¹⁺ substituted Ni-Zn ferrites.	Bionano Frontier, (2010), pp. 117 To 119 J. of Science and Techn.	ISSN 0974-0678 UGC listed Jr. No.5104	Peer Reviewed	http://www.bionanofrontier.org
21	Effect of Gd ³⁺ substitution on Initial permeability of Ni-Cd ferrites synthesized by Co-precipitation method.	Bionano Frontier, (2010), pp. 131 To 135 J. of Science and Techn.	ISSN 0974-0678 UGC listed Jr. No.5104	Peer Reviewed	http://www.bionanofrontier.org
22	Thermal Hysteresis and Domain states in Ni-Zn ferrites synthesized by oxalate precursor method	J. Magn. Magn. Mat., Vol. 322, (2010), pp. 1999 To 2005 Elsevier (North Holland) Indexed by: Science Citation Index and Scopus	ISSN- 0304-8853 UGC listed Jr. No.24378	Impact Factor 2.83	https://doi.org/10.1016/j.jmmm.2010.01.022
23	Studies on Initial permeability and loss factor in Ni-Zn ferrites synthesized by oxalate precursors	Materials Research Bull., Vol. 45, (2010) pp. 1713 To 1719 Elsevier (North Holland) Indexed by: Web of Science, Science Citation Index and Scopus	ISSN- 0025-5408 UGC listed Jr. No.3984	Impact Factor 3.12	https://doi.org/10.1016/j.materrbull.2010.06.058
24	Thermo-analytical and SEM studies on Li ¹⁺ substituted Ni-Zn ferrites.	J. Int. Acad. of Phys. Sci., Vol. 16(4), (2012), pp. 363 To 372 Inter. Acad. of Physical Sci.	ISSN 0974-9373	Peer Reviewed	

25	Concept mapping/inventory : Innovative method for imparting instruction, evaluation in Physics at UG level	Proc. Of National Seminar on Innovative Teaching Methods in Physics, 30-31 Aug. 2013	ISBN 978-81-926750-0-9	-----	
26	Structural and AC Susceptibility studies in Non-Stoichiometric Nickel ferrites.	International Science Journal , Vol. 1(3), (2014), pp. 24 To 29. Dama International	ISSN 2348-604X	Peer Reviewed	
27	Electric and Dielectric behaviour in Non-stoichiometric Nickel ferrites	Int. J. of Basic & Appl. Res. , Vol. 3(1), (2014), pp. 36 To 39 IJBAR	ISSN 2229-3352	Peer Reviewed	
28	Initial permeability studies of Mn substituted Mg-Zn ferrites synthesized by oxalate precursors.	Physics Procedia , Vol. 54, (2014), pp. 152 To 158 (Elsevier)	ISSN-1875.3892	Impact Factor 0.75	https://doi.org/10.1016/j.phpro.2014.10.052
29	Ultrasonic study of Intermolecular association through hydrogen bonding in binary liquid mixture at 308K.	J. Adv. in Appl. Sci. and Tech. , Vol. 1(2), (2014), pp. 54 To 57 Milliya college, Beed	ISSN (print) 2393-8188, (online) 2393-8196	Peer Reviewed	
30	Magnetic Studies in Ni-Zn ferrites synthesized by Oxalate Precursors	J. Adv. in Appl. Sci. and Tech. , Vol. 1(2), (2014), pp. 54 To 57 Milliya college, Beed	ISSN (print) 2393-8188, (online) 2393-8196	Peer Reviewed	
31	Complex permeability spectra in Ni-Zn ferrites.	Int. J. Che. & Phys. Sci. , Vol. 4(1), (2015), pp. 32 To 38 IJCPS	ISSN- 2319-6602 UGC listed Jr. No.48283	Peer Reviewed	https://www.ijcps.org/0Site/v4n1/P5.pdf
32	Ultrasonic studies on some bio-molecule aqueous solution at 303.15K.	Int. J. Adv. Res. Basic and Appl. Sci. , Vol. 2(1), (2015), pp. 53 To 55 Rushi Publ.	ISSN- 2394-4072	Peer Reviewed	
33	Magnetic characterization of lithium substituted Ni-Zn ferrites.	Int. J. Adv. Res. Basic and Appl. Sci. , Vol. 2(1), (2015), pp. 85 To 88 Rushi Publ.	ISSN- 2394-4072	Peer Reviewed	
34	Measurement of optical transmission losses in co-exchanged Ag ⁺ and K ⁺ optical waveguides prepared by thermal ion exchange process	Archives of Physics Research , Vol. 6(4), (2015), pp. 7 To 11 Scholars Research Library	ISSN- 0976-0970	Peer Reviewed	http://scholarsresearchlibrary.com/archive.html) ?
35	Overlay Studies of Microstrip Ring Resonators using pico-second pulse Time Domain Transmission Technique in Microwave region	Bionano Frontier , Vol.8, Issue -3, (2015), pp. 283 To 286 J. of Sci. and Techn.	ISSN 0974-0678 UGC listed Jr. No. 5104	Peer Reviewed	http://www.bionanofrontier.org
36	Effect of Mn ²⁺ substitution on structural, magnetic, electric and dielectric properties of Mg-Zn ferrites	J. Magn. Magn. Mat. , Vol. 407, (2016), pp. 60 To 68 Elsevier (North	ISSN 0304-8853 UGC listed Jr. No. 24378	Impact Factor 2.83	https://doi.org/10.1016/j.ceramint.2016.10.053

		<i>Holland)</i> Indexed by: Science Citation Index and Scopus			
37	Information Communication Technology (ICT) in Higher Education: A Bird Eye View	Int. Res. Journal: Kesona Report , Vol. 1, Issue 1, (2016), pp. 75-79 Kesona Publ.	ISSN-2456-2025	Peer Reviewed	
38	ICT- A Modern Tool for Effective Teaching-Learning Process.	Int. Res. Journal: Kesona Report , Vol. 1, Issue 1, (2016), pp. 163-167 Kesona Publ.	ISSN-2456-2025	Peer Reviewed	
39	Effect of Li ¹⁺ substitution on Wall Permeability of Ni-Zn Ferrites	Int. J. Adv. Res. Sci. Eng. and Tech. Vol. 3, Issue 11,(2016), pp. 2940- 2946 IJARSET	ISSN-2350-0328	Peer Reviewed Impact Factor 4.346	http://www.ijars et.com/upload/2016/november/12_IJARSET
40	Relaxation Time and Disaccomodation Factor Studies in Li ¹⁺ Substituted Ni-Zn Ferrites	Inter. Science Journal , Vol. 3, Issue 2 (2016), pp. 01- 04 Dama International	ISSN 2348-604X	Peer Reviewed	
41	Investigations on Complex Permeability Spectra of Li ¹⁺ substituted Ni-Zn ferrites	Int. J. Adv. Res. Sci. Eng. and Tech. Vol. 3, Issue 12, (2016), pp. 3047 To 3054 IJARSET	ISSN-2350-0328	Peer Reviewed Impact Factor 4.346	http://www.ijars et.com/upload/2016/december/12_IJARSET
42	Applications of Nanomaterial in Medicine	Int. J. Adv. Res. Basic and Appl. Sci. , (2017), pp. 58 To 61 Rushi Publ.	ISSN-2394-4072	Peer Reviewed	
43	Study of Pico-Second Time Domain Reflectometry Techniques using Microstripline Terminated in some Polar Liquids	Int. J. Scientific Res. In Sci. & Tech. Volume 3, Issue 8, (2017), pp. 161-166 IJSRST	Print ISSN: 2395-6011 Online ISSN: 2395-602X UGC listed Jr. No.64011	Peer Reviewed Impact Factor 5.327	DOI : 10.32628/IJSRST173835
44	Evaluation of Dielectric Properties of Some Polar Liquids Through Microstrip Terminated In Liquid Systems Using TDR Technique,	Int. J. Sci. Adv. Res. Tech , Volume 3 Issue 11 (2017), pp. 925-928 IJSART	ISSN [ONLINE] : 2395-1052 UGC listed Jr. No. 63479	Peer Reviewed Impact Factor 4.284	https://www.ijsearch.com/search/volume-3/issue-11
45	Synthesis and Dielectric properties of nanocrystalline Gd ³⁺ substituted Nickel-Cadmium ferrites	Int. Res. J. of Science & Engineering , Special Issue A1 : 2017; PP. 8-14	ISSN: 2322-0015 UGC listed Jr. No.63628	Peer Reviewed Impact Factor 4.11	https://oaji.net/articles/2017/731-1517240997.pdf

46	Investigations on Relaxation time and Disaccommodation studies in Ni-Zn ferrites	Journal of Research and Development , Vol. 8, Issue 02, (2018), pp. 46-51	ISSN: 2230-9578 UGC listed Jr. No. 64768	Peer Reviewed Impact Factor 4.270	https://jrdrvb.org/
47	Effect of ion exchange period on optical transmission losses of co-exchanged K ⁺ and Ag ⁺ optical waveguides	Journal of Research and Development , Vol. 8, Issue 02, (2018), pp. 24-30	ISSN: 2230-9578 UGC listed Jr. No. 64768	Peer Reviewed Impact Factor 4.270	https://jrdrvb.org/
48	Electrical Characterization of SnO ₂ based thick film resistors loaded with an optimized Sb:Sn alloy	Int. J. for Res. Appl. Sci. & Eng. Tech. , Volume 6, Issue II, (2018), pp. 470-476 IJRASET	ISSN: 2321-9653 UGC listed Jr. No. 44382	Peer Reviewed SJ Impact Factor 6.887	DOI : 10.22214/ijras et.2018.2095
49	Effect of Li ¹⁺ substitution on Elastic properties of Ni-Zn ferrites	Review of Research , Vol. 8, Issue 3, (2018), pp. 49-58	ISSN: 2249-894X UGC listed Jr. No.48514	Peer Reviewed Impact Factor 5.7631 (UIF)	https://oldror.lbp.world/UploadedData/10312.pdf
50	Time Domain Reflectometry Techniques to Study Simulation Dielectric Spectra of Polar Liquids	Review of Research , Vol. 1, Issue 2, (2019), pp. 90-94	ISSN: 2249-894X UGC listed Jr. No.48514	Peer Reviewed Impact Factor 5.7631 (UIF)	
51	Role of Nanotechnology to control and prevent air and water pollution: A bird's eye view	Aayushi Inter. Interdis. Res. J. , 48, (2019), pp. 221-225	ISSN: 2349-638X	Peer Reviewed Impact Factor 5.70	https://www.aiirjournal.com/Issue.php?SpecialIssue
52	A kinetics and thermodynamics of oxidation of DL-Ornithine by tributylammonium chlorochromate in acid medium	Review of Research , Vol. 8, Issue 4, (2019), pp. 9-15	ISSN: 2249-894X UGC listed Jr. No.48514	Peer Reviewed Impact Factor 5.7631 (UIF)	https://oldror.lbp.world/UploadedData/10314.pdf
53	Synthesis and investigations on Structural, Elastic and Magnetic properties of Ni-Cd ferrites	Review of Research , Vol. 8, Issue 6, (2019), pp. 1-11	ISSN: 2249-894X UGC listed Jr. No.48514	Peer Reviewed Impact Factor 5.7631 (UIF)	https://oldror.lbp.world/UploadedData/10734.pdf
54	Kinetics and Mechanism of Oxidation of L-isoleucine by Tributylammonium Chlorocomate in acetic acid medium	Curr. Pharm.Res. , 10(1), (2019), pp. 3543-3551	ISSN- 2230-7842 UGC listed	Peer Review	https://jcpr.humanjournals.com/wp-content/uploads/2021/02/5
55	Adverse effect of fertilizers on ground water quality and human health: A bird eye view	Our Heritage , Vol. 68, Sp. Issue -11, 2020 pp. 521-524	ISSN-0474-9030 UGC care listed	Peer Reviewed Impact Factor 6.8	https://archives.ourheritagejournal.com/vol-issue/vol67-issue11s.pdf
56	Jayakwadi Hydro-Power Plant – A Bird eye view,	Our Heritage , Vol. 68, Sp. Issue -11, 2020 pp. 528-535	ISSN-0474-9030 UGC care listed	Peer Reviewed Impact Factor 6.8	https://archives.ourheritagejournal.com/vol-issue/vol67-issue11s.pdf

57	Studies in proton ligand and metal ligand stability constants of substituted ketimines with transitions and alkaline earth metals in 75% DCM water mixture at 29 ⁰ C	Our Heritage , Vol. 68, Sp. Issue -38, 2020 pp. 790-798	ISSN-0474-9030 UGC care listed	Peer Reviewed Impact Factor 6.8	https://archives.ourheritagejournal.com/index.php/oh/article/view/7500/7134
58	Complex permeability spectra in Ni-Cd ferrites synthesized by co-precipitation method	Journal of Research and Development , Vol. 10, Issue 10, 2020 pp. 123-129	ISSN: 2230-9578 UGC listed Jr. No. 64768	Peer Reviewed Impact Factor 4.270	https://jrdrvb.org/
59	Structural and elastic properties of Zn _x Fe _{3-x} O ₄ ferrites synthesised by Biological method	Journal of Research and Development , Vol. 10, Issue 10, 2020 pp. 109-122	ISSN: 2230-9578 UGC listed Jr. No. 64768	Peer Reviewed Impact Factor 4.270	https://jrdrvb.org/
60	A review on green synthesis and characterization techniques for ferrites nano particles and their applications	J. of Physics : Conf. Series , 1644 (2020) 012009 pp. 01-07 Indexed by: Web of Science, Clarivate and Scopus	ISSN: 1757-8981, 1857-899X	Peer Reviewed	doi:10.1088/1742-6596/1644/1/012009
61	Concentration Dependant Molecular Interaction of Substituted Ketimine Drugs in 75% Dichloromethane (DCM)-Water Mixture at 308 + 1K.	Int. J. For Inno. Res. In Multidis. Field Special Issue : 21, Jan – 2021 DOIs:10.2015/IJIRMF.2455.0620/AMSN-01-2021	ISSN: 2455-0620	Peer Reviewed Impact Factor: 6.719	https://www.ijirmf.com/wp-content/uploads/AMSN-JAN-2021.pdf
62	Facile Synthesis and Characterization of Copper oxide (CuO) nanoparticles via sol-gel method	J. of the Maharaja Sayajirao Uni. of Baroda Vol. 55, No.2 (2021) pp.410-412	ISSN: 0025-0422 UGC care listed	Peer Reviewed	
63	Oxidation of l-threonine by tributylammonium Chlorochromate in acid medium: a kinetic and mechanistic Study	J. of the Maharaja Sayajirao Uni. of Baroda Vol. 55, No.2 (2021) pp.52-56	ISSN: 0025-0422 UGC care listed	Peer Reviewed	
64	Investigation of Structural, Morphological and Elastic Properties of Ni-Zn Ferrite Grown with an Oxalate Precursor,	J. of Electr. Materials (2022) 51, pp. 2732–2740 Springer Science+ Business Media, Inc Indexed by: Science Citation Index and Scopus	ISSN: 0361-5235 UGC care listed https://doi.org/10.1007/s11664-022-09582-y	Peer Reviewed Impact Factor 2.20	https://doi.org/10.1007/s11664-022-09582-y
65	Synthesis, investigation, structural and elastic properties of Mg _x Zn _{1-x} Fe ₂ O ₄	Nanosystems: Phys. Chem. Math. 2022, 13 (4) pp. 456–463	ISSN: 2220-8054 & 2305-7971	Peer Reviewed Impact	DOI 10.17586/2220-8054-2022-13-

	nanoparticles,	St. Petersburg National Research Uni.,Russia Indexed by: Web of Science, and Scopus	UGC care listed	Factor 0.92	4-456-463
66	Properties of Cr doped Ni-Zn ferrite nanoparticles synthesized using lemon juice	Bioinfolet 19 (2), 2022 pp. 177 - 180 UGC care listed	ISSN:0976-4755	Peer Reviewed	
67	Removal of methylene blue dye with cr ³⁺ doped mg- zn ferrites prepared with the use of lemon juice	Bioinfolet 19 (2), 2022 pp. 181-185 UGC care listed	ISSN:0976-4755	Peer Reviewed	
68	Green method for the synthesis of imidazole	Proc. Of Multidis. Res. Methodology in Humanities, Languages & Literature, Comm. & Manag. Sci., Sci. & Techn., 2022, 146-149	ISBN- 978-93-90005-44-4	-----	
69	Kinetics of Oxidative Deamination and Decarboxylation of L-Lysine by Tributylammonium Chlorochromate in Acid Medium	Research Journey International E-Research Journal Special Issue – 333 : Innovative & Sustainable Chemistry 2023 pp. 89-95	E-ISSN :2348-7143	Peer Reviewed Journal	https://www.researchjourney.net/special-issues
70	Structural, Elastic and Magnetic properties of Ni _{0.50} Cu _{0.10} Zn _{0.40} Fe ₂ O ₄ synthesized using sol gel method	International Journal of Scientific Research in Science and Technology, Volume 11, Issue 7, 2024 pp. 57-62	Print ISSN: 2395-6011 Online ISSN: 2395-602X	Peer Reviewed Journal	https://ijsrst.com/paper/v11i7.pdf
71	Investigation on structural and optical characteristics and Photocatalytic efficiency through Cu doped Ni-Zn ferrite Nanoparticles	Journal of Technology, Volume 12 Issue 5, 2024 pp. 91-105 Elsevier Indexed by: Scopus	ISSN: 10123407	Peer Reviewed Journal	DOI:18.15001/JOT.2024/V12I5.24.3252
72	Magnetic Behaviour, and initial permeability of green synthesized Co ²⁺ substituted Ni-Zn ferrite	J. Magn. Magn. Mat., Vol. 601, (2024), pp. 172184 Elsevier BV Indexed by: Science Citation Index and Scopus	ISSN- 0304-8853 UGC listed Jr. No.24378	Impact Factor 2.83	https://doi.org/10.1016/j.jmmm.2024.172184
73	Fabrication and Characterization of some metal oxide nanoparticles using Sol-Gel method	International Journal of Scientific Research in Science and Technology, Volume 11, Issue 19,2024 pp. 213-216	Print ISSN: 2395-6011 Online ISSN: 2395-602X	Peer Reviewed Journal	doi : https://doi.org/10.32628/IJSRS.T

74	Investigation on Structural, Elastic and Magnetic properties of $\text{Ni}_{0.30}\text{Cu}_{0.30}\text{Zn}_{0.40}\text{Fe}_2\text{O}_4$ synthesized via sol gel method	International Journal of Scientific Research in Science and Technology , Volume 11, Issue 19,2024 pp. 364-370	Print ISSN: 2395-6011 Online ISSN: 2395-602X	Peer Reviewed Journal	doi : https://doi.org/10.32628/IJSRST
75	Tailoring and Characterization of Copper Oxide Nanoparticles by Sol-Gel Route	International Journal of Scientific Research in Science and Technology , Volume 11, Issue 21,2024 pp. 64-67	Print ISSN: 2395-6011 Online ISSN: 2395-602X	Peer Reviewed Journal	doi : https://doi.org/10.32628/IJSRST
76	Study on green synthesis and characterization of Co^{2+} doped Mg-Zn ferrite nanoparticles using orange juice extract	Applied Physics A , 130 (12), 2024 pp. 869 Springer Science+ Indexed by: Science Citation Index and Scopus	Print ISSN: 0947-8396Elect.ISN: 1432-0630	Impact Factor 2.5	https://doi.org/10.1007/s00339-024-07987-6
77	Viscosity and Density Characterization of 1-((4-Methoxy-3, 5-dimethylpyridin-2-YI)Methyl)-3-Methyl thiourea in Ethanol-Water Mixtures	International Journal of Scientific Research in Science and Technology , Volume 12, Issue 7, 2025 pp. 284-288	Print ISSN: 2395-6011 Online ISSN: 2395-602X	Peer Reviewed Journal	doi : https://doi.org/10.32628/IJSRST

Citations if any:

	Citations	h-index	i10- index
Scopus	371	10	----
Google Scholar	595	13	15
Research Gate	434	10	---

Publications (Books/ chapters in Books/Editor of Book):

Sr. No	Publication Type (Books/ chapters in Books/Editor of Book)	Title of Chapters	Title of Book and Publishers Name	ISSN/ ISBN No.	International/ National Publishers
1	Chapters in Books	Thermal Study of Ferritization Temperature of Ni-Zn Ferrites: STA (TG/DTG/DTA) Studies pp. 88-92	Innovative Research in Science and Technology, An Edited Book Rushi Publication Aurangabad 28 Feb. 2022	ISBN: 978-81-951034-5-4	National
2	Chapters in Books	Synthesis and Thermal Studies on Mn-Zn Ferrites pp. 46-50	Advanced Research in Science and Technology An Edited Book Rushi Publication	ISBN: 978-81-961555-0-6	National

			Aurangabad 28 Feb. 2023		
3	Chapters in Books	Structural and Elastic properties of Zinc Ferrite nanoparticle synthesized by using green synthesis route pp. 41-45	Interdisciplinary Research in Science and Technology An Edited Book Rushi Publication Chh. Sambhajinagar 28 Feb. 2024	ISBN: 978-81-970491-2-5	National
4	Chapters in Books	Structural and Elastic properties of Cobalt Ferrite nanoparticle synthesized by using green synthesis route pp. 187-190	National Conference on Advanced Nano Research and Applications, An Edited Book Rushi Publication Chh. Sambhajinagar 30 Jan. 2024	ISBN: 978-81-9615551-9-9	National
5	Chapters in Books	Effect of Air quenching on Ni _{0.50} Cu _{0.10} Zn _{0.4} Fe ₂ O ₄ Nanoferrites synthesized by using Sol gel Auto combustion method pp. 232-235	National Conference on Advanced Nano Research and Applications, An Edited Book Rushi Publication Chh. Sambhajinagar 30 Jan. 2024	ISBN: 978-81-9615551-9-9	National
7	Chapters in Books	Effect of various doping of metal ions and rare earth ions on the properties of Ni-Zn ferrite materials : A review pp. 144-154	Recent Advances in Science and Technology, An Edited Book Royal Book Publishing, Salem, Tamil Nadu 2024 Edition	ISBN: 978-81-19821-33-4	National
8	Chapters in Books	Study on ferritization temperature of Mn-Zn ferrites synthesized by using Oxalate Precursor method pp. 19-28	Recent Advances in Science and Technology, An Edited Book Royal Book Publishing, Salem, Tamil Nadu 2024 Edition	ISBN: 978-81-19821-33-4	National
9	Chapters in Books	Structural and Elastic properties of Cobalt Ferrite nanoparticle synthesized by using green synthesis route pp. 187-190	National Conference on Advanced Nano Research and Applications, An Edited Book Rushi Publication Chh. Sambhajinagar 30 Jan. 2024	ISBN: 978-81-9615551-9-9	National
10	Text Book	Physics Mechanics and Properties of Matter and	Kailash Publications Chh. Sambhajinagar 2024	ISBN: 978-93-93623-68-3	University

		Heat and Thermodynamics			
11	Text Book	Physics Mechanics and Properties of Matter NEP-2020 B.Sc. FY I Sem.	Kailash Books Chh. Sambhajinagar 2025	ISBN: 978- 81-977-379-5- 4	University.
12	Text Book	Practical Physics NEP-2020 B.Sc. FY I Sem.	Kailash Books Chh. Sambhajinagar 2025	ISBN: 978- 81-979007-9-2	University

Research Guidance:

Sr.No	Degree	Name of Candidate Enrolled	Date of Registration	Thesis submitted Date	Degree awarded dates
1	Ph.D	Ms. Jyoti D. Bhamare	June 2018	-----	Working
2	Ph.D	Mr. Pravin B. Kute	June 2018	-----	Working
3	Ph.D	Mr. Salman A. Shaikh	June 2018	-----	Working
4	Ph.D	Mr. Vishal A. Pandit	June 2018	-----	30/05/2024
5	Ph.D	Mr. Gajanan R. Repe	June 2018	-----	Working
6	Ph.D	Mr. Rahul R. Upalaikar	June 2018	-----	Working
7	Ph.D	Ms. Karnulkar S. Z	June 2021	-----	Working
8	Ph.D	Mr. Mohsin shaha	June 2021	-----	Working

Research Projects Completed/ On-going:

Sr.No.	Title of Project	Sponsored agency	Date of Sanction	Date of Completion	Grant Received (Rs.)
1	Magnetic Properties of Nanocrystalline soft Ferrites for Magnetic Data Storage and Recording Media	UGC	File No. 47- 1082/14 WRO Dated 08/01/2016	3,00,000/- Sanctioned	-----

Awards/ Fellowship:

Sr.No	Name of Awards/ Fellowship	Date of Received	International/ National	Name of Awardees Academic Body/ Association
1	Fellow Contributor, , Fellow-FC-572	29 Dec. 2016	International	International science Community Association, Indore, MP, India

Research Paper Presentation in Seminars / Conferences/ Symposium: and Resource Person:

Sr. No	Title of Paper/ Presentation	Title of Seminars / Conference	Mode of Presentation (Paper Presentation / Resource Person)	Name of Organizer	Whether International (Abroad)/ (Within Country)/ National/ State / University Level
1	Synthesis of Ni-Zn ferrites and its Industrial utility	Three One day Seminar on The role of Physics in Industrial	Paper presentation	Dept. of Physics, Shivaji University	University Level

		Development, New Materials Synthesis and Applications. 5,6,18, Mar. 1996		Kolhapur, MS	
2	Characterization and Conductivity studies of Al^{3+} and Cr^{3+} substituted Ni-Zn ferrites.	Int. Conf. on Computer & devices for Comm., Allied Pub. Ltd, New Delhi (1998)pp. 280-282	Paper Published in Proceeding ISBN 81-7023-767X	Sci. City, Calcutta	International within Country
3	Synthesis and bulk magnetic properties of Ni-Zn ferrites	National Conf. on Electronics Materials, Devices and Systems, 18-20 Jan. 1999	Paper presented and Published in Proceeding	Gulberga Uni. Gulberga, Karnataka	National
4	Thermal Hysteresis of initial permeability studies of Cu substituted Ni-Zn ferrites.	Nat. Conf. on Elect. Mat. Devices and systems, (1999) pp. 231- 234	Paper presented and Published in Proceeding	Gulberga Uni. Gulberga, Karnataka	National
5	Effect of Li^{1+} addition on loss factor of Ni-Zn ferrites	Nat.Symp.on Recent Trends in Electro & Magneto ceramics. 18-20 Feb.1999	Paper presentation	Shivaji University Kolhapur	National
6	Thermo-analytical and structural studies on Li^{1+} substituted Ni-Zn ferrites	Nat. Conf. on Current Trends in Materials Research for Advanced Technology. 29-31 Jan. 2007	Paper presentation	Dept. of Physics, Dr. BAMU, Aurangabad	National
7	Thermal Hysteresis of initial permeability studies of Li^{1+} substituted Ni-Zn ferrites	Nat. Conf. on Current Trends in Materials Research for Advanced Technology. 29-31 Jan. 2007	Paper presentation	Dept. of Physics, Dr. BAMU, Aurangabad	National
8	Electrical Resistivity and thermo-electric power of Ni-Cd and Gd^{3+} substituted Ni-Cd ferrites.	Inter. Conf. on Advanced Materials and Applications 15-17 Nov. 2007	Paper presented and Published in Proceeding	Shivaji Uni. Kolhapur	International within Country
9	Unusual behavior of $\text{Mg}_x\text{Cu}_{0.5-x}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ ferrite system: Moss Bauer spectroscopic study and related magnetic properties	Proc. of Inter. Conf. on Adv. Mat. And Appl., (2007) pp. 01- 08	Paper presented and Published in Proceeding	Shivaji University Kolhapur	International within Country
10	Initial Permeability and Loss Factor studies on Li^{1+} substituted Ni-Zn ferrites.	Nat. Conf. on Advancements in Nano-science for Different Techno., 10-11, Feb. 2010	Paper presented	Shrikrishna College, Gunjoti, MS	National
11	Magnetic Properties of Li substituted Ni-Zn ferrites synthesized by oxalate precursors	Inter. Conf. on Magnetic Materials ICMM-2010, 25- 29 Oct. 2010	Paper presentation	ECMP Div., SINP, Kolkata	International within Country
12	Concept Inventories as Diagnostics Tool for Assessment	UGC National Workshop cum Seminar on Physics	Paper presentation	St. Bede's College, Shimla	National

		Education Research: Research Based Reforms in Physics. 22 to 29, May 2011			
13	Thermo analytical and SEM studies on Li ¹⁺ Substituted Ni- Zn ferrites	14th Inter. Conf. of Inter. Acad. of Phys. Sci. on Physical Sciences, 22-24, Dec. 2011	Paper presented	SVNIT, Surat, Gujarat	International within Country
14	Concept mapping/inventory : Innovative method for imparting instruction, evaluation in Physics at UG level	National Seminar on Innovative Teaching Methods in Physics, 30-31 Aug. 2013	Paper presented and Published in Proceeding	Deogiri College, Aurangabad	National
15	Initial Permeability Studies of Mn substituted Mg-Zn ferrites Synthesized by Oxalate Precursors	Inter. Conf. on Magnetic Materials and Applications 05- 07 Dec. 2013	Paper presentation	IIT, Guwahati	International within Country
16	Complex Permeability, Relaxation Time Studies on Li-Ni-Zn Ferrites Synthesized by Oxalate Precursors	101th The Indian Science Congress Association, 03 -07 Feb. 2014	Paper presentation	University of Jammu, Jammu	National
17	Magnetic Properties of Li-Ni-Zn ferrites synthesized by Oxalate Precursors Method	Inter. Conf. on Recent Trends and Challenges in Science and Technology, 20-22 August 2014	Paper presentation	Padmashri Vikhe Patils College of Arts, Sci., Comm., Pravaranagar	International within Country
18	Magnetic Studies in Ni-Zn ferrites synthesized by Oxalate Precursors	Nat. Conf. on Material Science and Technology, 23-24 Dec. 2014	Paper presentation	Milliya Arts, Sci., Manag. Science College, Beed	National
19	Wall Permeability studies in Li-Ni-Zn ferrites synthesized by Oxalate precursors	17th Inter. Conf. of International Academy of Physical Sciences on Emerging Trends in Physical Sciences and Technology, 16-18 Jan. 2015	Paper presentation	University of Rajasthan, Jaipur,	International within Country
20	Overlay Studies of Micro strip Ring Resonators using Pico-second pulse Time Domain Transmission Technique in Microwave region	Inter. Conf. on Functional Materials and Microwaves, 28-30 Dec. 2015	Paper presentation	Department of Physics, Dr. B A M U, Aurangabad	International within Country
21	Information Communication Technology (ICT) in	National Seminar on role of ICT in higher Education for Quality	Paper presentation	KSK college , Beed	National

	Higher Education: A Bird Eye View	Improvement 29-30 Sept. 2016			
22	Effect of Li ¹⁺ substitution on relaxation time in Ni-Zn ferrites	International Science Community Associations 6th International Science Congress, 08-09 Dec. 2016	Paper presentation	Hutatma Rajguru Mahavidyalaya, Rajgurunagar, Pune	International (within Country)
23	Applications of Nanomaterial in Medicine	National Conference on Innovation in Nanomaterials and Nanotechnology, 21 Jan. 2017	Paper presentation	Rajarshi Shahu Arts, Comm. and Sci. College, Pathri, Aurangabad	National
24	Nano technology for Environment	National Conference on New Emerging Trends in Environment to Control and Prevent Pollution, 24-25 Mar. 2017	Paper presentation	Pratishthan Mahavidyalaya, Paithan, Aurangabad	National
25	Synthesis and Dielectric properties of nanocrystalline Gd ³⁺ substituted Nickel-Cadmium ferrites	International Conference on Applied Nanotechnology and Nanoscience, 07-09 Dec. 2017	Paper presentation	TC College, Baramati	International
26	Investigations on Relaxation time and Disaccommodation studies in Ni-Zn ferrites.	National Level Conference on Recent Trends in Material Science and its Applications, 13/01/2018	Paper presentation	SMC College, Jalgaon	National
27	Kinetics and Mechanism of Oxidation of L-isoleucine by Tributyl-ammonium Chlorochromate in acetic acid medium	International Symposium on Exploring New Horizons in Chemical Sciences, 10-12 Jan. 2019	Paper presentation	Deogiri College, Aurangabad	International
28	Role of Nanotechnology to control and prevent Air and Water Pollution: a Birds Eye View	International Conference on Energy, Environment and Ethics in Research, 7th Feb. 2019	Paper presentation	Yashwantrao Chavan Warana Mahavidyalaya, Warananagar	International
29	Time Domain Reflectometry Techniques to Study the Simulation Dielectric spectra of Polar Liquids	National Conference on Recent Advances in Nanotechnology 5th Mar. 2019	Paper presentation	Toshniwal Arts, Commerce and Science College, Sengaoon, Hingoli	National
30	A Kinetics and Mechanistic study of Oxidative Deamination of DL-Ornithine by Tributylammonium Chlorochromate in acid medium	National conference on Emerging /trends and challenges in Biosciences, 11th Aug. 2019	Paper presentation	R. B. Attal Arts, Science and Commerce College, Georai	National

31	Green synthesis and Characterization of Zinc Ferrite Nanoparticles	One day National Seminar on New Avenues of Research in Chemical and Biological Sciences, 01 Oct. 2019	Paper presentation	Sir Sayyed College of Arts, Comm. & Sci. Aurangabad	National
32	Studies in proton ligand and Metal ligand stability constants of alkaline earth and transition metal ions with aromatic substituted ketimine drugs under 75% dichloromethane DCM – water mixture at 34°C	National conference on New Dimensions in Chemistry and Chemistry Education and National convention of Chemistry Teachers, 05-07 Dec. 2019	Paper presentation	Sant Gadge Baba Amaravati University, Amaravati	National
33	Time domain Techniques to study dielectric spectra of some ferrite materials in broad band microwave region	National Conference on Advanced functional Materials: Synthesis, Characterization and Applications 3-4 Jan. 2020	Paper presentation	Vidya Pratishthan's Arts, Science and Commerce College, Baramati	National
34	Structural and Elastic Properties of $Zn_xFe_{3-x}O_4$ ferrites synthesized by Biological Method	National Conference on Emerging Trends in Physical and Chemical Sciences, 18/01/2020	Paper presentation	SMC College, Jalgaon	National
35	Jayakwadi Hydro-Power Plant – A Birds Eye View	One day Multidisciplinary National Conference on Arts, Sculpture and Architecture in Marathwada, 01/02/2020	Paper presentation	Pratishthan Mahavidyalaya Paithan	National
36	Adverse effect of fertilizers on ground water quality and human health: A bird eye view	One day Multidisciplinary National Conference on Arts, Sculpture and Architecture in Marathwada, 01/02/2020	Paper presentation	Pratishthan Mahavidyalaya Paithan	National
37	Kinetics of Oxidative Deamination and Decarboxylation of L – Arginine by Tributylammoniumchlorochromate	International Conference on Emerging Trends in Material Science, 9-10 Nov. 2022	Paper presentation	D. P. Bhosale College, Koregaon, Satara	International
38	Synthesis, Characterization of ferrite nanoparticles using green synthesis	International Conference on Innovative Sustainable Practices in Science and Technology, 26 Nov. 2022	Paper presentation	SMC College, Jalgaon	International
39	Biological properties of Lanthanide and their complexes: A	National Conference on Current Innovations in Chemistry, Physics	Paper presentation	Sunderrao Solanke Mahavidyalaya,	National

	Review	& Mathematics, 20 Dec. 2022		Majalgaon	
40	Study of thermal stress in thin annular disc using Hankel and Laplace transform technique	National Conference on Recent Innovation in Mathematics, 06 Feb. 2023	Paper presentation	KSK College, Beed	National
41	Synthesis, Physicochemical properties and Biological revaluation of Schiff Base metal complexes	National Symposium on Innovative Inclinations and Sustainable Technologies in Chemical Sciences - 2023	Paper presentation	Deogiri College, Auranagabad	National
42	Biomedical Applications of Ferrite nanoparticles: A review	National Seminar on Recent Trend in Materials Science and Nanotechnology, 27-28 Feb. 2023	Paper presentation	Deogiri College, Auranagabad	National
43	Study of thermal stress in thin annular disc using Hankel and Laplace transform technique	National Conference on Recent Innovation in Mathematics, 06 Feb. 2023	Paper presentation	KSK College, Beed	National
44	Synthesis, Physicochemical properties and Biological revaluation of Schiff Base metal complexes	National Symposium on Innovative Inclinations and Sustainable Technologies in Chemical Sciences - 2023	Paper presentation	Deogiri College, Auranagabad	National
45	Biomedical Applications of Ferrite nanoparticles: A review	National Seminar on Recent Trend in Materials Science and Nanotechnology, 27-28 Feb. 2023	Paper presentation	Deogiri College, Auranagabad	National
46	Structural, Elastic and Magnetic properties of Ni _{0.50} Cu _{0.10} Zn _{0.40} Fe ₂ O ₄ synthesized using sol gel method	National Conference on Modern Trends in Physical Science Research, 20/01/2024	Paper presentation	Balbhim College, Beed	National
47	Structural and Elastic properties of Cobalt ferrite nanoparticles synthesized by using green synthesis route	National conference on Advanced Nano Research and Application, 29-30 Jan. 2024	Paper presentation	Shrikrishna Mahavidyalaya, Gunjoti	National
48	Structural, Elastic and Magnetic properties of Ni _{0.30} Cu _{0.30} Zn _{0.40} Fe ₂ O ₄ synthesized via sol gel method	National conference on Emerging Trends in Physics and Mathematics, 05 Sept. 2024	Paper presentation	Anandrao Dhonde Alias Babaji Mahavidyalaya, Kada, Ashti	National
49	Structural and elastic properties of copper ferrite nanoparticles synthesized via Biological method	National conference on synergy in Science: Integrating Life and Chemical Sciences, 13 Sept. 2024	Paper presentation	Arts and commerce College, Warwat Bakal, Buldhana	National

50	Tailoring and Characterization of some metal oxide nanoparticles by sol-Gel route	National Conference on Material science and chemistry, 04-05 Oct. 2024	Paper presentation	Yogeshwari Mahavidyalaya, Ambajogai, Beed	National
51	Viscosity and Density Characterization of 1-((4-Methoxy-3, 5-dimethylpyridin-2-YI)Methyl)-3-Methyl Thiourea in Ethanol-Water Mixtures	National conference on Development Trends and Techniques in chemical and Material Sciences, 10/01/2025	Paper presentation	Jagadamba Mahavidyalaya, Aachalpur City	National
52	Elastic and Structural characteristics of Copper Ferrite nanoparticles produced using a Biological Process	International conference on Harmony of Wisdom: Integrating Physical Science with the Rich Heritage of Indian Knowledge System, 10-11 Jan. 2025	Paper presentation	JES College, Jalna	International
53	Structural and Elastic properties of Ni _{0.4} Zn _{0.6} Fe ₂ O ₄ Ferrite nanoparticle synthesized by using green synthesis route	National Conference on Modern Prospective in Physical and Chemical Sciences 28 Dec. 2024	Paper presentation	Dhanaji Nana Mahavidyalaya, Faizpur, Dist. Jalgaon	National

Invited/Guest Lectures:

Sr. No	Subject/Title of Presentation	Date of Presentation	Name of Organizer	Whether International (Abroad)/ International (Within Country)/ National/ State / University Level
1	Digital Electronics for BCS I Sem.	Every year from 2008 to 2022	Dept. of Computer Science	Dept. of Computer Science, Pratishtan Mahavidyalaya, Paithan

Conferences Attended: -

Sr. No.	Title of Conference	National/International /State/University	Place	Date
1	Thirteenth National Symposium on Cryogenics.	National	Shivaji University, Kolhapur, MS	3-5, Dec. 1993
2	National Conference on Development in Electronic Materials and their Applications.	National	Shivaji University, Kolhapur, MS	6-8, Mar. 1995
3	National Symposium on Recent Trends in Electro & Magneto ceramics.	National	Shivaji University, Kolhapur, MS	18-20 Feb.1999
4	Workshop on F.Y.B.Sc. Revised syllabus in Physics.	University	V.P.Ms. B. N. Bandodkar College of Science, Thane, Mumbai, MS	27th Feb. 2002
5	National Conference on Development in Electronic	National	Shivaji University, Kolhapur, MS	6-8, Mar. 1995

	Materials and their Applications.			
6	National Symposium on Recent Trends in Electro & Magneto ceramics.	National	Shivaji University, Kolhapur, MS	18-20 Feb.1999
7	One Day Workshop On Physics Practicals B.Sc. II nd year.	University	Deogiri College, Aurangabad, MS	22 Jan. 2011
8	One Week Workshop On Innovative Experiments in Physics.	National	Inter-University Accelerator Centre, New-Delhi	02 to 07 May 2011
9	JES-IUCAA Workshop on Teaching and Research Using Small telescope.	Regional	PG Dept. of Physics, JES College, Jalna,	17-19, Oct. 2011
10	National Conference on Nanotechnology: Fundamentals and Applications.	National	V. P. College, Vaijapur, Aurangabad	29-30, Dec. 2011
11	The Maharashtra Public Universities Act, 2011.	National	Dr. B. A. M. U. Aurangabad	27- 28 April 2012
12	Global Skill Enhancement Program, Train The Trainer program held under the aegis of Industry Academi.	University	Infosys - BPO, Pune	04 to 14 June 2012
13	NSS- Program Officer workshop	University	Pratishthan Mahavidyalaya, Paithan	19/09/ 2014
14	INUP familiarization Workshop on Nanofabrication Technologies	National	IIT Bombay	16-18 Dec. 2015
15	National Level Seminar on Recent Advances in Spectroscopic Methods of Structure Determination	National	Shri. Chhatrapati Shivaji Mahavidyalaya, Shrigonda	24-25 Dec. 2016
16	National Conference on Biodiversity and Conservation of Nature and Natural Resources	National	Pratishthan Mahavidyalaya, Paithan	09-10 Mar. 2017
17	One day Workshop on Maharashtra University Act. 2016 and Seventh Pay Commission	Regional	Maulana College, Aurangabad	30 June 2017
18	One day State level Workshop on Revised Accreditation Framework of NAAC and Maharashtra Public University Act-2016	State	IQAC, Deogiri College, Aurangabad	31 Aug. 2017
19	National Conference on New Horizons in Material Science	National	New Arts, Comm. and Sci. College, Shevgaon	22-23 Jan. 2018

20	One day State level Workshop on Revised Accreditation Framework of NAAC	State	Kalikadevi Arts, Comm. and Sci. College, Shirur Kasar	31/01/2018
21	Three day State level Workshop on Revised Accreditation Framework of NAAC	State	Deogiri College, Aurangabad	27-29 April 2018
22	106 th Indian Science Congress	National	Lovely Professional Univ., Jalandhar	03-07 Jan. 2019
23	Two days National Seminar on Revised Accreditation Framework RAF	National	ICS College, Khed	02-03 Aug. 2019
24	One day National Workshop on Filling AQAR Under New NAAC Process	National	Pandit Jawaharlal Nehru College, Aurangabad	22 Aug. 2019
25	One day National Seminar on e-content Development and MOOC-2019	National	Milliya Arts, Science and Management Science College, Beed	24 Aug. 2019
26	National Conference on New Accreditation Process and Quality Enhancement for Rural Colleges	National	Sunderrao Solanke Mahavidyalaya, Majalgaon	04-05 Feb. 2020
27	National Webinar on Advances in Synthesis Techniques & Characterization of Materials	National	PR Research Centre, Department of Physics, TC College, Baramati	24-29 June 2020
28	National Webinar on Digital Transformation: e Classrooms & Learning Management System	National	Arts, Commerce and Science College, Bodwad	17 July 2020
29	Faculty Development Program on Recent Trends in Technology and Teaching Learning Methodology	National	Dept. of Computer Science and Information Technology, Sage University, Indore	09-11 July 2020
30	International Webinar on Role of Advance Materials for Optoelectronics Devices	International	S.G.Patil Arts, Science and Commerce College, Sakri, Dist. Dhule	12 July 2020
31	National Webinar on An insight towards Assessment & Accreditation Process for Affiliated Colleges in India	National	IQAC, RTM Nagpur University and NAAC Bangalore	29 July 2020
32	One day International e-seminar on Advances in Material Science and Nanotechnology	International	Sir Sayyed College, Aurangabad	07 Jan. 2021
33	International Webinar on Empowering Diversity In Sciences	International	Kamla Nehru College, Nagpur	09 Feb. 2021

34	National Webinar on Astronomy	National	Dept. of Physics, IQAC, Shikshan Maharshi Dr.Bapuji Salunkhe College, Miraj	22 Feb. 2021
35	International Webinar on Innovations in Science & Technology	International	Smt. Narsamma Arts, Commerce and Science College, Amaravati	27 Feb. 2021
36	International Webinar on Multidisciplinary Research	International	Guru Nanak College of Sci., Ballarpur,	13 Mar. 2021
37	National Seminar on Astronomy and Climate Change	National	Athalye Sapre Pitre College, Devrukh, Ratnagiri	08-10 April 2021
38	International Webinar on Mixed Reality	International	Athalye Sapre Pitre College, Devrukh, Ratnagiri	24 April 2021
39	National Level One-Week Faculty Development Programme on Research Methodology	National	Kamla Nehru Mahavidyalaya, Nagpur	26 April to 01 May 2021
40	Three Days National Online FDP on ICT Tools for Effective Teaching Learning	National	IQAC, Kamla Nehru Mahavidyalaya, Nagpur	08-10 June 2021
41	National Level Workshop on Revised NAAC Accreditation Framework	National	Rajarshi Shahu Arts, Commerce and Science College, Pathri	23 Feb. 2023
42	National Workshop on Binary Accreditation: Process, Methodology and Documentation	National	Dr.Rafiq Zakeria College for women, Chha. Sambhajanagar	09-10 Sept. 2024

Any Other Extension Activity

Sr. No.	Name of Activity	From Date	To Date
1	Recognition as Research Guide in the Physics, DR. BAMU, Chha. Sambhajanagar	2015	To till date
2	Recognition as PG Teacher in the Physics, DR. BAMU, Chha. Sambhajanagar	2021	To till date
3	Member of BOS in Physics at Dr. Annasaheb G. D. Bendale Mahila Mahavidyalaya, Jalgaon affiliated to KBCNMU, Jalgaon	2024	To till date
4	Life Member of Indian Science Congress Association (L16721)	10/12/2010	To till date
5	Life Member of Material Research Society of India (LMB 1673A)	23/11/2010	To till date

6	Life Member of Indian Physics Association (GEN/LM/12706)	15/12/2010	To till date
7	Life Member of Indian Association of Physics Teachers (9106 L-5480)	13/12/2010	To till date
8	Worked as PRO for Loksabha and Vidhansabha Election	2014, 2019, 2024	

UNDERTAKING

I **Prof. (Dr.) Nandkishor Damodar Chaudhari** undertake that the information provided is correct as per records submitted by me to College / Institute / university and / or documents enclosed along with the duly filled PBAS Performa.

Place: Paithan

Date: 12/02/2025



Prof. (Dr.) N. D. Chaudhari

Signature