

Curriculum Vitae



Name : **Dr. G. B. Andhale**
 Designation : Associate Professor
 Qualification : M.Sc. Ph.D., NET CSIR-JRF, SET
 Subject : Chemistry
 College : Shri Shivaji Arts, Commerce & Science College, Akot (MH)
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Examinations	Board/University	Year of passing	% of Marks Obtained	Division
B.Sc.	BAMU Aurangabad	2007	66.37 %	First
M.Sc.	BAMU Aurangabad	2009	74.00%	First
NET-JRF	UGC -.Delhi	2010	AIR- 185 CSIR-JRF	AIR 185
SET	Pune University	2010	107/200	--
Ph.D.	SGBAU	2019	--	--
Ph.D. Supervisor	SGBAU	2021	--	--
PG Teacher Recognition	SGBAU	2021		

National/International Patent

Title	National/International	Agency	Grant Date	Design Number
Device for synthesis and characterization of zinc ferrite nanoparticles.	International	United Kingdom (UK) Patent Office	28 August 2025	6466097

Academic Staff College Orientation / Refresher course attended:

No.	Course	Place	Duration	Sponsoring agency
1	Orientation course	ASC BAMU Aurangabad	01/07/2014 to 28/07/2014	UGC New Delhi
2	FDP	Sant Gajanan Maharaj Engineering College, Shegaon.	12/12/2013 to 24/12/2013	AICTE New Delhi
3	Refresher course	ASC SGBAU, Amravati	17/11/2015 to 07/12/2015	UGC New Delhi
4	Refresher course-online	Online Course Offered by Guru Tegh Bahadur Khalsa College, Delhi	01/11/2018 to 28/02/2019 Exam Date: 30/03/2019	Swayam Online Courses HRD Ministry Govt. of India.
5	Refresher course-Online	Online Course Offered by Guru Tegh Bahadur Khalsa College, Delhi	01/09/2019 to 31/12/2019 Exam Date: 16/02/2020	Swayam Online Courses HRD Ministry Govt. of India.
6	Short Term Course	ASC SGBAU, Amravati	25/10/2021 to 30/10/2021	UGC New Delhi
7	Short Term Course	AICTE training and Learning Academy	8/11/2021 to 12/11/2021	AICTE New Delhi
8	FDP	Kamla Nehru Mahavidyalaya Nagpur, Maharashtra	2 nd May 2022 to 5 th May 2022	---

Book/Chapter in book/Editor in book.

No.	Title Book/Chapter/Editor	Publisher	International/ National	ISSN/ ISBN No.	Author/ Coauthor	Academic Year
1	Chapter Recent agriculture development and its issue Page no. 182-189.	Eagle leap publication Pune	International	978-81-951599-7-0	--	2021-2022
2	Book Text book of physical chemistry	Eagle leap publication Pune	International	978-81-965543-7-8	Yes	2021-2022
3	Editor in Book National Education Policy 2020.	Eagle leap publication Pune	International	978-81-965543-5-4	--	2021-2022
4	Book Fundamentals of General and Physical Chemistry.	Eagle leap publication Pune	International	978-81-965543-2-3	Yes	2022-2023
5	Chapter Job satisfaction and impact of NEP on the creation of new job.	Eagle leap publication Pune	International	978-81-958425-8-2	--	2022-2023
6	Editor Indian Social Problems.	Eagle leap publication Pune	International	978-81-965543-3-0	--	2022-2023
7	Book Text Book Inorganic Chemistry-II	Eagle leap publication Pune	International	978-81-965543-9-2	Yes	2022-2023
8	Book Text Book of B.Sc. II Course in Chemistry.	Dnyanpath Publication Amravati	National	978-81-19435-99-9	Yes	2023-2024
9	Editor Information Technology	Eagle leap publication Pune	International	978-81-965543-5-4	--	2023-2024
10	Book Text book of organic Chemistry	Eagle leap publication Pune	International	978-81-984926-6-1	Yes	2024-2025
11	Editor Indian Knowledge System	Eagle leap publication Pune	International	978-81-990084-9-6	---	2024-2025
12	Chapter Chemistry research in India: Making progress, but not rapidly	Eagle leap publication Pune	International	978-81-982602-0-8	---	2024-2025
13	Book Text book of practical chemistry B.Sc. II Sem. III	Dnyanpath Publication Amravati	National			2025-2026

Ph.D. Students Working

No	Title	Name of Students	Registration Date	Notification No.	Status
1	Ph.D.	Ku. Rekha S. Khedekar	5 March 2022	SGBAU/Ph.D./1401/2022	Ongoing
2	Ph.D.	Mr. Balasaheb U. Kale	04 April 2025	SGBAU/Ph.D./295/2025	Ongoing
3	Ph.D.	Ku. Almas Farheen Khan	9 December 2025		Ongoing

Research Papers Published in Journals

S.N.	Title With Page No.	Journal	ISSN / ISBN No.	Impact Factor	Academic Year
1	Synthesis of 5-(Substituted phenyl) -5-(substituted benzyl)-2-substituted Hydantion Pg. No.	International journal of Chemical Science 10(4), 2012, 2179-2183	ISSN 0972-768X	Yes	2012-2013
2	Green approach to the synthesis of α,β unsaturated ketimines. Page No.	International Journal Vidyavarta	ISSN-2319 9318	Yes	2015-2016
3	Study of metal ligand and proton ligand stability constants of Bar (II), Sr(II), Ni(II) and Cu(II) with unsaturated ketimines by pH metrically. Pg. No. 592-594	International Journal of researches in biosciences, agricultures and technology	ISSN- 2347-517X Online	Yes	2017-2018
4	Thermodynamic study of some substituted Schiff's Bases at different concentration in 70% (Dioxane+water) solvent by viscometrically. Pg.No. 608-612	Aayushi International Interdisciplinary Research Journal (AIIRJ)	ISSN 2349-638x	Yes Impact Factor 4.574	2018-2019
5	Refractometric Study of Substituted Ketimines Under Different Concentration in DCM-Water Mixture at 308K Pg. No. 102-107	Research Journey International E-Research Journal	ISSN- 2348-7143	Yes Impact Factor- 6.261	2018-2019
6	Kinetics and themodynamics of oxidation of DL- ornithine by tributylammoniumchlorochromate in acid medium Pg. No.	Review of Research	2249-894X	Impact factor 5.7631	2018-2019
7	Studies in ultrasonic parameters of aromatic substituted ketimine drugs under different concentration in 75 % dichloromethane (DCM)-water mixture at 303 \pm 1 K. Pg. No. 435-440	International journal of research and analytical reviews(IJRAR)	E-ISSN 2348-1269 P-ISSN 2349-5138	Yes Impact factor- 5.75	2019-2020
8	Studies in Interaction Between Bivalent Transition and Alkaline Earth Metal Ions with Substituted Ketimine Drugs Under 75% Dichloromethane (DCM) – Water Mixture at 302 \pm 1K pH Metrically. Pg. No. 170-176	International Journal of Advanced Scientific Research and Management	ISSN- 2455-6378	Yes Impact Factor- 4.265	2019-2020
9	Adverse effect of fertilizers on ground water quality and human health: A bird eye view Pg. No.	Journal Our Heritage	0474-9030	Impact factor 6.8	2019-2020
10	Studies In Proton Ligand And Metal Ligand Stability Constants	Journal Our Heritage	0474-9030	Impact factor 6.8	2019-2020

	Of Substituted Ketimines With Transition And Alkaline Earth Metals In 75% DCM-Water Mixture At 29°C. Pg. No.				
12	ConcentrationDependantMolecularInteractionofSubstitutedKetimineDrugsin75%Dichloromethane(DCM)-WaterMixtureat308+1K. Pg.No. 136-139	International Journal of innovative research in multidisciplinary field Special issue 21 Jan. 2021	2455-0620	Yes	2020-2021
13	Jone's Doles equation and molecular interaction studies of 1-phenyl-3-[4-(2-ethylimino-4-phenylimino-1,3,5-dithiazino) amino phenyl]prop-2-ene-1-one Pg.No. 28-30	B.Adhar international Peer reviewed Indexed Research Journal Issue287 (CCLXXXV)	2278-9308	Yes	2020-2021
14	Oxidation of L-threonine by tributylammoniumchlorochromate in acid medium : A kinetic and mechanistic study Pg. No.	Journal of The Maharaja Sayajirao University of Baroda.	0025-0422	Yes	2021-2022
15	Studies in solute-solute and solute solvent interaction of some substituted ketimine drugs in 75% dichloromethane water mixture under different temperature by viscometric technique Pg. No. 89-93	International journal of advanced research in science communication technology	2581-9429	Impact factor 5.7	2021-2022
16	Physicochemical analysis of drinking water and agricultural water in village DeulgaonMahi Tq. Deulgaon Raja Dist. Buldhana	Journal emerging technologies and innovative research vol. 9 issue 5, May. 2022 page 370-375	2349-5162	Yes	2022-2023
17	Assessment of agricultural soil quality of village Sav. Tq. Dist. Buldhana	Journal emerging technologies and innovative research vol. 9 issue 5, May. 2022 page 165-170	2349-5162	Yes	2022-2023
18	Analysis of water used for drinking and irrigation purpose of village Pokhari Ta. Dist. Buldhana	Journal emerging technologies and innovative research vol. 9 issue 5, May. 2022 page 456-462	2349-5162	Yes	2022-2023
19	Synthesis of Substituted Pyrazole using Ionic Liquids	International Journal of Scientific research in Science and Technology. Oct. 2022, Page No. 243-249	2395-6011	Yes	2022-2023
20	Determination of Acoustical Parameters of Glucose and its Fe(III) Metal Complexes by	International Journal of Scientific research in Science and	2395-6011	Yes	2022-2023

	Ultrasonic Technique	Technology. Oct. 2022, Page No. 8-17.			
21	Evaluation of acoustical Parameters of some substituted Ketimines Under % composition in 75% dichloromethane Water Mixture at 30 ⁰ C.	International Journal of Scientific research in Science and Technology. Dec. 2022, Page No. 94-99	2395-6011	Yes	2022-2023
21	Kinetics of oxidative determination and decarboxylation of l-lysine by tributylammonium chlorochromate in acid medium.	Research journey International E research journal	2348-7143	Yes	2023-2024
22	Study of acoustical properties of substituted Schiff bases at different concentration in 75% DCM water mixture at 303K by ultrasonic technique	Research journey International E research journal	2348-7143	Yes	2023-2024
23	Antibacterial and antifungal study of Schiff bases ligand and its Ln(III) complexes derived from 4-nitrobenzaldehyde	Research journey International E research journal	2348-7143	Yes	2023-2024
24	Alum K(SO ₄) ₂ .12H ₂ O catalyzed synthesis of 1, 5 benzothazepines	Research journey International E research journal	2348-7143	Yes	2023-2024
25	Viscosity and Density Characterization of 1-((4-Methoxy-3, 5-Dimethylpyridin-2- Yl) Methyl)-3-Methyl Thiourea in Ethanol-Water Mixtures p.g. 284-288	International Journal of Scientific Research in Science and Technology	Print ISSN: 2395-6011 Online ISSN: 2395-602X	No.	2024-2025
26	Solvent Effects On The Physico-Chemical Behavior Of 1-((4-Methoxy-3, 5-Dimethylpyridin-2- Yl) Methyl)-3-Phenylthiourea In 40% Ethanol-Water Solutions	Gurukul International Multidisciplinary Research Journal (GIMRJ)	E-ISSN No. 2394-8426	No	2024-2025
27	Synthesis and Biological Evaluation of Bioactive 5-Bromo-2-Hydroxy-4-Chloro Substituted Ketimines	Gurukul International Multidisciplinary Research Journal (GIMRJ)	E-ISSN No. 2394-8426	Yes	2024-2025
28	Determination Of Metal-Ligand Stability Constants For Lanthanide (III) Complexes With Substituted Drugs Derivatives.p.g. 1-5	Indian Streams Research Journal	ISSN No : 2230-7850	Yes	2024-2025
29	Studies On Viscosity, Density And Refractive Index Of Substituted Heterocyclic Compounds In Different Media p.g. 1-6	Review of Research	ISSN: 2249-894X	Yes	2024-2025
30	Review on Synthesis, Characterization, and Properties of Soft Substituted Ferrite Nanoparticles p.g. 54-57	International Journal of Scientific Research in Science and Technology	Print ISSN: 2395-6011 OnlineISSN: 2395-602X	No	2024-2025
31	Determination of the Stability Constant of Substituted Oxymetazoline and Amikacin Drugs using Potentiometry. P.g.313-322	High Technology Letters	ISSN NO : 1006-6748	No.	2025-2026
32	Synthesis and characterization of novel Schiff's base ligands derived	International Journal of Advanced Research in	ISSN: 2350-0328	Yes	2025-2026

	from 1,8 diamino naphthalene and 5-bromo-2-hydroxyacetophenone. P.g. 655-658	Science, Engineering and Technology			
33	FeNPs mediated Synthesis of Pyridazine in Aqueous Medium and its Biological Applications	Journal of Technology	ISSN: 10123407 volume-13-	No	2025-2026
34	Densities and Refractive Indices of Aromatic Substituted Ketimines in Binary DCM-Water Mixture of Different Compositions	Recent Trends in Science & Technology: A Proceedings of NCRTST-2025	ISBN: 978-93-342-9189-6	Yes	2025-2026
35	Study of effect of change in concentration of substituted ketimines and (DCM+water) solvent on molar refraction and polarizability constant at 298K by refractometric method.	Recent Trends in Science & Technology: A Proceedings of NCRTST-2025	ISBN: 978-93-342-9189-6	Yes	2025-2026

Research Papers Presented in Conferences

S.N.	Invited Talk/ Paper presented	Title of Conference / Seminar	Event Organized by	International / National	Academic Year
1	Study of water quality of Chikhali Town of Buldhana District in Maharashtra, India	Newest development in Chemical Sciences	College of Atrs, commerce & Science Parbhani	National Conference	2016-17
2	Thermodynamic Study of α , β unsaturated ketimines under different concentration in 75% DCM Water solvent by viscometrically	Recent Advances in Chemical Sciences	Shri Shivaji College of Atrs, Commerce & Science Akola	National Conference	2017-18
3	Studies in proton ligand & metal ligand stability constant of alkaline earth & transition metal ions with aromatic substituted ketimines drugs under 75% DCM water mixture	National conference on new dimentation in chemistry & chemistry education and national convention of chemistry teachers	Department of chemistry Sant Gadge Baba Amravati University Amravati	National Conference	2019-20
4	Agrochemical studies, food processing and value addition of annona squamosa	Two days online international conference on advances in science and technology 9 & 10 March 2022	Rajarshi Chhatrapati Shahu College Kolhapur	International Conference	2021-22
5	Synthesis of substituted pyrazoles using ionic liquids	National Conference on Innovations and Challenges in Science and Technology	Department of Chemistry & Botany Kohinoor Arts, Commerce & Science College, Khultabad Dist. Aurangabad.	National Conference	2022-23
6	Studies in Molar Refraction and Polarizability Constants of Ketimine Drugs under Different % Composition in 75 % DCM-Water Mixture at 308 K by Refractometric Technique.	International Conference on "Emerging Trends in Material Science" dated 9th & 10th November, 2022 jointly organized by	Department of Physics & Chemistry in association with IQAC, D. P. Bhosale College, Koregaon, District-Satara, Maharashtra, India. Certificate ID: ETMS-IC-PP-05	International Conference	2022-23

7	Biological properties of lanthanide and their complexes a review	National conference on current innovation in chemistry, physics and mathematics	Sunderrao Solanke Mahavidyalaya, Majalgaon Dist. Beed	National Conference	2022-23
8	Analysis of water used for drinking and irrigation purpose of village Pokhari Ta. Dist. Buldhana	National Multidisciplinary Research E-conference 28 May 2022	Bapumiya Sirajoddin Mahavidyalaya Pimpalgaon Kale Dist. Buldhana	National Conference	2022-23
9	Viscosity and density characterization of 1 (methoxy 3, 5 dimethyl pyridine-2yl 3 methyl thiourea in ethanol water Mixture)	National Conference on Development trends and techniques in chemical and material sciences.	Jagdamba Mahavidyalaya Achalpur	National Conference	2024-25
10	pH metric studies of alkaline earth and transition metal complexes with substituted ketimines in DCM water mixture.	International Conference on innovative multidisciplinary perspective & collaborative transformation in science and technology	Rajarshi Shahu Science College, Chandur Rly.	International Conference	2024-25
11	Densities and refractive indices of aromatic substituted ketimines in binary DCM water mixture	National Conference on recent trends in science and technology.	Mahatma Fule Arts, Commerce and Science College Warud.	National Conference	2025-26
12	A review on stability constant of metal ligand complexes.	National conference on earth, element and energy	Shri Shivaji Science College, Amravai	National Conference	2025-26
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Membership:

- Life member of Nagpur University Teachers Association.
- Life member of Amravati University Chemistry's Teachers Association.
- Managing Committee Member of Amravati University Chemistry's Teachers Association.

University Examination Work:

- Co-officer In charge
- Officer In charge W- 2022 Examination.
- Officer In charge S- 2023 Examination.
- Officer In charge W- 2023 Examination.
- Paper Valuation of Various Examination.
- PG Chemistry Paper Moderation.
- PG Organic Chemistry Paper Setting.
- Member of College affiliation Committee.