

RESUME



Personal Information

Name: -	Dr.Ajay Manikrao Patil
Employee Code:	2711002203
Date of Birth:	01/01/1986
Joining Date: -	02/11/2010
Department: -	Chemistry
Designation: -	Associate Professor
Category: -	Open
Gender: -	Male
Mobile No: -	9923459536
Email: -	Patilam4@gmail.com
Blood Group: -	A ⁺
Current Address: -	Pratishthan Mahavidyalaya, Paithan
Permanent Address: -	Pratishthan Mahavidyalaya, Paithan

Academic Qualifications: -

Examination	Name of the Board/ University	Year of Passing	Percentage of Marks Obtained	Division / Class/ Grade	Subjects
SSC	Aurangabad	2001	64.26%	I	Marathi,Sanskrit,Math. Hist.,Sci. Socio
HSC	Aurangabad	2004	57.83%	II	Phy.,Chem.,Bio.,Socio. Eng., Sanskrit
UG	Dr.B.A.M.U.Aurangabad	2007	70.61%	I	Organic Chemistry
PG	Dr.B.A.M.U.Aurangabad	2009	77.25%	Distinction	Chemistry

NET	CSIR -UGC	June - 2010	Qualified	Qualified	Chemistry
GATE	IIT GUWAHATI	June - 2010	Qualified	Qualified	Chemical Engineering

Research Degree (s)

Degrees	Title	Date of award	Name of University
M. Phil	NA	NA	NA
Ph. D	'Physico-Chemical Studies on Metal Complexes of Biologically Active Ligands'	29/01/2021	Dr.B.A.M.U. Aurangabad

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	NA	NA	NA	NA	NA
2	NA	NA	NA	NA	NA

Posts held after Appointment in this Institution: -

Designation	Department	Date of Joining	
		Form	To
Assistant Professor	Chemistry	02/11/2010	24/11/2025
Associate Professor	Chemistry	25/11/2025	Till date

Teaching and Research Experience:-

Sr. No.	UG	PG	Research Experience	
1	16	03	10	

Fields of Specialization under the Subject / Discipline –				
Degree	Specialization			
U.G	Chemistry,Botany,Microbiology			
P.G	Organic Chemistry			
M. Phil.	NA			
Ph.D.	’Physico-Chemical Studies on Metal Complexes of Biologically Active Ligands’’			
Orientation / Refresher Course/ FDP/ MOOC/ Attended-				
Sr. No	Title of the Course	Place	Date and Duration (Period)	Name of Organizer
1	108 th Orientation Programme	ASC, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	31/01/2015 to 28/02/2015	ASC, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
2.	Pre-PhD Course Work	Department of chemistry Dr B.A.M.U Aurangabad	28/03/2016 to 01/10/2016	Department of chemistry Dr B.A.M.U Aurangabad
2	Refresher Course in Environmental Studies	ASC,Jawaharlal Nehru University,New Delhi.	29/08/2016 to 23/09/2016	ASC,Jawaharlal Nehru University,New Delhi.
	Faculty Development Programmes	INFOSYS Pune.	21/08/2018 to 29/08/2019	INFOSYS Pune.
3	SWAYAM ARPIT Online Refresher Course Certification	online	16/08/2019 to16/02/2020	Sri Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, Uni. of Delhi
4	NSS Orientation course No.142	Ahmednagar	16/08/2019 to 22/08/2019	Gov.of India ministry of youth affairs & Sport New Delhi.
5	FDP Multimedia enriched e-Content Development	online	21/05/2020 to 26/05/2020	Sri Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, Uni. of Delhi
6.	FDP Enhancing Quality of Chemistry Education in India	online	25/03/2021 to 03/03/2021	Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi
7.	FDP Academic Report Writing and Research Methodology	online	04/03/2021 to 10/03/2021	Guru Angad Dev Teaching Learning Centre, S.G.T.B. Khalsa College, University of Delhi
8.	Refresher Course Chemistry-The Catalyst for Change	online	14/07/2021 to 28/07/2021	TLC,Ramanujan College University of Delhi
9.	Online Refresher Course in Disaster Management	online	09/08/2021 to 25/8/2021	UGC-HRDC Centre, Dr.B.A.M.U

				Aurangabad
10.	RC in E-Governance and E-Learning	online	01/08/2022 to 17/08/2022	UGC-HRDC Centre, Dr.B.A.M.U <u>Aurangabad</u>

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	Paper Assessment	2010	2025
2	Paper Setting	2020	2025
3	Examiner for Practical exams	2010	2025
4	Mmber of Affiliation Committeee	2019	
5			

Involvement in College Work/Committees:

Sr. No	Name of Activity	From Date	To Date
1	Examiner in annual gathering function	2010	2011
2	NSS Special Camp Assistant	2010	2011
3	Admission Committee Member	2011	2012
4	Member of Envir.awareness at NAAC	2011	2012
5	Member of Seating Arrangement	2011	2012
6.	YCMOU Counselor	2012	2013
7.	Admission Committee Member	2012	2013
8.	Member of Envir.awareness at NAAC	2012	2013
9.	Member of Debate Competition	2013	2014
10.	Member of Envir.awareness at NAAC	2013	2014
11.	NSS Workshop Technical Assistant	2014	2015
12.	Member of AQAR Prepe. Committee	2014	2015
13.	YCMOU Counselor	2015	2016
14.	Digital India Week Co-Coordinator	2015	2016
15.	NSS Programme Officer	2016	2021
16.	YCMOU Counselor	2016	2017
17.	YCMOU Counselor	2017	2025
18.	Member of Placement Bureau	2017	2025

	and Counselling Cell		
19.	Member of Steering Committee	2018	2025
	Member of Environment Awareness, Disaster Management and NAAC related activities	2018	2025
	Member of Academic & Administrative Audit	2021	2022
20.	Member of Criterion-Wise inputs for the preparation of AQAR & SSR for NAAC	2021	2025
21.	Carrier Katta Coordinator	2021	2025
22.	Member of Time Table Committee	2023	2024

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	Ceric (Iv) Ammonium Nitrate Catalyzed Highly Efficient Synthesis Of 3-Aminoindazole And Their Antibacterial Screening	IJRPC 2017, 7(4), 513-517	ISSN- 2781-2231-	(ICV) 5.53 (2012)	
2.	Alum (K ₂ (SO ₄) ₂ .12H ₂ O) Catalyzed One-Pot Synthesis Of N-Phenyl Pyrazoles and Their Antibacterial Screening	IJRPC 2017, 7(4), 536-540	ISSN- 2781-2231-	(ICV) 5.53 (2012)	
3.	Samarium (III) Triflate Catalyzed Synthesis Of Substituted 1H-Indazole And Their Antibacterial Screening	International Journal of Recent Scientific Research Vol. 8, Issue, 9, pp. 20389-20391, September, 2017	ISSN- 0976-3031	(ICV) 7.383 (2012)	
4.	Physicochemical Studies of Metal Complexes and It's Biologically Active Ligands	<i>J. Biol. Chem. Chron.</i> 2019, 5(3), 01-06	E-ISSN- 2454-7476	--	
5.	Metal Complexes of Schiff Base: Synthesis, Characterization and Antibacterial Activity	<i>J. Biol. Chem. Chron.</i> 2019, 5(3), 07-12	ISSN- 2454-7476	--	
6.	Synthesis, Characterization And Biological Potential Of 1,3,4 Thiadiazole Containing Schiff Base Ligand And Its Metal Complexes	International Journal of Advance and Innovative Research Volume 6, Issue	ISSN 2394 - 7780	SJIF 7.36	

		1 (XVI): January - March, 2019			
7.	Ultrasound Promoted One-Pot Synthesis Of Substituted 3-Hydroxy-1-hindazole Using Glyoxylic Acid As A Catalyst Under Solvent-Free Condition	<i>J. Biol. Chem. Chron.</i> 2019, 5(3), 179-181	ISSN- 2454-7476		
8.	Thermal and XRD studies of metal complexes of 1,3,4 Thiadiazole derivatives	Our Heritage Vol-68, Special Issue-38	E-ISSN- 0474-9030		
9.	Synthesis, Characterization and Biological Activity of Transition Metal Complexes of Schiff Base Ligand containing 1, 3, 4 Thiadiazole Moiety.	Curr. Pharm. Res. 2019, 418, 144-153	E-ISSN- 2230-7842		
10.	Ultrasound Promoted One Pot Synthesis of 1,5-Benzothiazepines Using Polyethylene Glycol (PEG-400)	Our Heritage Vol-68, Special Issue-38	0474-9030		
11.	Synthesis, Characterization And Biological Evaluation Of Heterocyclic 1,3,4 Thiadiazole Derivatives And It's Metal Complexes	Heterocyclic Letters Vol. 10, No. 3, 517-524, May-July, 2020.	E-ISSN- 2230 - 9632		
12.	Synthesis Of Heterocyclic Ligands :Synthesis, Characterization And Antimicrobial Activity	Heterocyclic Letters Vol. 11, No. 2, 183-187, Feb-April, 2021.	E-ISSN- 2230 - 9632		
13	Synthesis, Characterization, Antibacterial And Antifungal Studies Of Hetero Binuclear Metal Complexes Of Cu (II) Ni(II) And Co(II) Via Inter – Complex Reaction	ESMS, Journal Vol-07, Issue-10, 2020	E-ISSN- 2247-2479		
14.	Preparation And Properties Of Binuclear Schiff Base Complexes Of Cu (II) Co(II) And Ni(II) Inter –Complex Reaction	IJRSET, Volume 9, Issue 10, October 2020	E-ISSN- 2319-8753		
15.	Synthesis, Characterization And Biological Study Of Ni(II) Metal Complex Of Hydrazone Schiff Base Ligand	IJRSET, Volume 9, Issue 11, Nov. 2020	E-ISSN- 2319-8753		
16.	Synthesis, Characterization And Biological Study Of 3-Acetyl-4-Hydroxy-1-Methyl-2(1h)-Quinolone Hydrazone Based Cu(Ii)	IJRSET, Volume 9, Issue 9, Sept. 2020	E-ISSN- 2319-8753		

	Metal Complex				
17.	One Pot Synthesis Of 1, 5-Benzothiazepines Using Sno2/Sio2 Nanocomposite Catalyst	IJSRSET Vol.9,Issue 5,Pg.No.98-101	E-ISSN-2394-4099		
18.	An Efficient And Reusable Succinimide- <i>N</i> -Sulfonic Acid Catalyst For The Synthesis Of Benzimidazole At Room Temperature	IJSRSET Vol.9,Issue 5,Pg.No.115-119	E-ISSN-2394-4099	SJIF:7.136	
19.	Antifungal Screening of Homo and Heterodinuclear Schiff Base Complexes of Zn(Ii), Mn(Ii), Fe(Ii), Cu(Ii), Ni(Ii)) And Co(Ii) Derived from 2-Amino 3-Hydroxy Pyridine And 2- Hydroxyl 1-Napthaldehyde	J. of the Maharaja Sayajirao University of Baroda	ISSN:0025-0422	--	
20.	Synthesis, Physicochemical and Biological Studies of Chromium (III) Metal Complex	IJSRSET Vol.10,Issue 1,Pg.No.254-258	E-ISSN-2394-4099	SJIF:7.136	
21.	Green Approach in the Synthesis of Substituted Imidazole	IJSRSET Vol.7,Issue 6,Pg.No.07-12	E-ISSN-2394-4099	SJIF:7.136	
22.	Antifungal Screening of Schiff Base Complexes of Zn(II), Mn(II), Fe(III), Cu(II), Ni(II) And Co(III) Derived From (E)-1-Ethyl-4-Hydroxy-3-(1-(2-Phthalazin-1-Yl)Hydrazino Ethyl Quinoline-2(1h)-One And (E)-4-Hydroxy-1-Methyl-3-(1-(2-(Phthalazine-1-Yl)Hydrazino)Ethyl Quinolin-2(1h)-One	Journal of the Maharaja Sayajirao University of Baroda Vol.56,Issue 1,Pg.No.54-63, 2022	ISSN: 0025-0422	--	
23.	Fe (III) Transition Metal Complex of Hydrazone Schiff Base Ligand Derived From 1-Ethyl-4-Hydroxy-Quinoline-2(<i>H</i>)-One And 1-Ethyl-2-Hydrazino Benzothiazole Its Synthesis of Characterization and Antimicrobial Studies.	Journal of the Maharaja Sayajirao University of Baroda Vol.56,Issue 1,Pg.No.112-118, 2022	ISSN: 0025-0422	--	
24.	Synthesis, Characterization and Antibacterial Activity of Imidazole Derivatives	IJSRCH Vol.08,Issue 6,Pg.No.16-21,2023	E-ISSN-2456-8457	--	
25.	Synthesis, Spectroscopic	IJSRSET Vol.8,Issue	E-ISSN-2456-8457	--	

	Characterization and Antimicrobial Activity of Imidazole Derivatives	56,Pg.No.37-42,2023			
26.	Synthesis and Evaluation of Imidazole Derivatives for Antimicrobial Activity	IJSRCH Vol.08,Issue 6,Pg.No.26-35,2023	E-ISSN-2456-8457	--	
27.	Synthesis and Antibacterial Activity of Some Imidazole-(1H) Derivatives	IJSRCH Vol.09,Issue 1,Pg.No.01-7,2024	E-ISSN-2456-8457		
28.	Imidazole : Having Versatile Biological Activities	IJSRCH Vol.09,Issue 1,Pg.No.08-13,2024	E-ISSN-2456-8457	--	

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

Sr.No	Publication Type (Books/ chapters in Books/Editor of Book)	Title of Book / Chapters	Publishers Name	Publisher ISSN/ ISBN No.	International/ National Publishers
1	Facile Synthesis of some 1,3,4 Thiadiazole based ligands and their metal complexes as potential antimicrobial agents	Modern Green Chemistry & Heterocyclic Compounds	Apple Academic Press a member of Taylor & Francis group	E-ISBN-13:978-0-42932-860-2	International
2	Green Synthesis, Characterization & Biological Studies of 1,3,4 Thiadiazole Derived Schiff Base Complexes	Green Chemistry & Sustainable Technology	Apple Academic Press a member of Taylor & Francis group	E-ISBN-13:978-0-36780-831-0	International
3	Physiological Studies of Biologically Active Palladium Metal Complexes	Advanced Research in Science and Technology	Rushi Publication	978-81-961555-0-6	National
4	Pharmacological Effects of Imidazole Derivatives	Recent Advances in Science & Technology	Royal Book Publishing, Ayodhiyapatinam, Salem. Tamil Nadu-636103	978-81-19821-33-4	International
5	Antifungal activity of Coumarin Against Aspergillus niger	Recent Advances in Science & Technology	Royal Book Publishing, Ayodhiyapatinam, Salem. Tamil Nadu-636103	978-81-19821-33-4	International
6.	A New Versatile Catalytic Material Coal Fly Ash	Recent Advances in Science & Technology	Royal Book Publishing, Ayodhiyapatinam, Salem. Tamil Nadu-	978-81-19821-33-4	International

			636103		
7.	Structural and Elastic properties of Cobalt ferrite nanoparticle synthesized by using green synthesis route	Recent Advances in Science & Technology	Royal Book Publishing, Ayodhiyapatinam, Salem. Tamil Nadu-636103	978-81-19821-33-4	International

Development of e-Content:

Sr.No	Name of e-Content Developed	Specify ICTs resources web link:
1		
2		

Research Guidance:

Sr.No	Degree	Name of Candidate Enrolled	Date of Registration	Thesis submitted Date	Degree awarded dates
1	M.Phil.				
2	Ph.D.				

Research Projects Completed/ On-going:

Sr.No	Title of Project	Sponsored agency	Date of Sanction	Date of Completion	Grant Received (Rs.)
1					
2					

Patents:

Sr.No	Title of Patent	Patent Number	Sponsored agency if any	Date of Award	International / National
1					

Awards/ Fellowship:

Sr.No	Name of Awards/ Fellowship	Date of Received	International/ National	Name of Awardees Academic Body/ Association
1	Best Teacher	02/12/2023	National	Avishkar Foundation

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)/ International (Within Country)/
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					National/ State / University Level
1	Synthesis of Ligands and Its Metal Complexes : Characterization and its Antibacterial Activity	Emerging trends in physical sciences and chemical sciences	Poster Presentation	Dept.of chemistry S.M.Chaudhari College Jalgaon	National
2	Intellectual property rights and traditional medicine from a developing country perspective.	“Awareness About Intellectual Property Rights.”	Paper Presentation	Dept. Of Chemistry of Indraraj College, Sillod	National
3	Synthesis,Physiological Properties and Biological Evaluation of Schiff Base Metal Complexes	<i>IISTCS</i>	Poster Presenentation	DCA Chh.Sambhajinagar	National
4	Physiological and Pharmaceutical Properties of Schiff Base Metal Complexes	Multi- disciplinary Research Meet 2023	Oral Presentation	ACTRA	National
5.	Synthesis of 1,3,4 Thiadiazole Based Biologically Active Ligands and Its Metal Complexes	Emerging Trends in Material Science	Poster Presentation	D.P.Bhosale College Koregaon,Satara	International
6.	Synthesis of 2-2- Arylmethylene Bis(3- hydroxy-5,5 dimethyl- 2-cyclohexene-1- one)	RTCSR- 2024	Poster Presenentation	Balbhim College Beed	National
7.	Strucutal and Elastic properties of Cobalt Nanoparticles synthesized by using Green Synthesis Route	NCANRA- 2024	Oral Presentation	Shrikrishna Mahavidyalaya,Beed	National
8.	Synthesis of 2-2- Arylmethylene Bis(3- hydroxy-5,5 dimethyl- 2-cyclohexene-1- one)	RTCSR- 2024	Poster Presenentation	Balbhim College Beed	National
9.	Structural and Elastic properties of Cobalt Nanoparticles synthesized by using Green Synthesis Route	NCANRA- 2024	Oral Presentation	Shrikrishna Mahavidyalaya,Beed	National

Invited Lectures:					
Sr.No	Title of Presentation	Date of Presentation	Name of Organizer	Whether International (Abroad)/ International (Within Country)/ National/ State / University Level	
1					
2					
3					
4					

	Conferences Attended: -			
Sr. No.	Title of Conference	National/(International/State/University	Place	Date
Any Other Extension Activity				
Sr. No.	Name of Activity	From Date	To Date	

UNDERTAKING

I **Dr.Ajay Manikrao Patil** 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 :_____

Signature

