

Personal Details:

Name	:	Dr. Kundan Chandramani Tayade	
Designation	:	Assistant Professor	
Qualification(s)	:	M.Sc. (Analytical Chemistry), B.Ed., NET (JRF), Ph.D.	
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Educational Details:

Sr. No.	Name of Course (UG/PG/Other)	Name of Institute/University	Year
1	M.Sc. (Analytical Chemistry)	North Maharashtra University, Jalgaon	2008
2	UGC (JRF) NET	UGC-CSIR, New Delhi	2011
3	Ph.D.	North Maharashtra University, Jalgaon	2017

Member of College Committees:

Sr. No.	Name of Committee	Role
1	Research Committee	Member
2	Academic Council	Principal Nominee
3	Board of Studies	Member
4	Intellectual Property (IP) Cell	Chairperson
5	NIRF	Criteria III (Member)
6	NAAC/AQAR	Criteria III (Member)
7	Library Committee	Member
8	UGC/DST Report Preparation	Member

Member of Professional Committees and other organizations

Sr.No.	Name of Committee	Role
1	Society of Material Chemistry	Life Member
2	Board of Studies Panel of G.H. Rasoni Institute of Business Management, Jalgaon [F.Y. Engineering (for Chemistry) BoS]	Member

Research Project:

Sr.No.	Title of Research	Funding Agency/Organization/ Name of University
1	“Development of Highly Efficient Novel Fluorescent Dye Co-sensitized Solar Cells”	Under RGSTC “Assistance for S & T Application” Scheme, Through APDS by S .R.T.M. University, Nanded

Research Guidance:

* No. of Students under Research Guideship: Nil

Experience Details:

Sr.No.	Particulars	Durations
1	Lecturer on University Contract (North Maharashtra University, Jalgaon)	Aug 2011 to April 2016
2	Assistant Professor in Analytical Chemistry (Rajarshi Shahu Mahavidyalaya (Autonomous), Latur	From 06 th April 2016, Till Date

Skills:

- ✚ Skilled in fabrication of Chemosensors and Biosensors
- ✚ Competent to handle software's viz Chemdraw, Chems sketch, ISI Draw, Origin, etc
- ✚ Proficient in making Research Project Reports
- ✚ Skilled in theoretical calculations and few mathematical models
- ✚ Competent in handling sophisticated analytical/laboratory instruments

Books Published/ Edited:

Name of Book	Author(s)	ISBN No.	Year	Edition	Publisher
Nil					

Research Publications:

Notified in Web of Science and Scopus								
Title	Authors	Source Title	Publication Date	Volume	Issue	Page Number	Total Citations	DOI
Highly selective turn-on fluorescent sensor for nanomolar detection of biologically important Zn^{2+} based on isonicotinohydrazide derivative: Application in cellular imaging	Tayade, Kundan; Sahoo, Suban K.; Bondhopadhyay, Banashree; Bhardwaj, Vimal K.; Singh, Narinder; Basu, Anupam; Bendre, Ratnamala; Kuwar, Anil	Biosensors & Bioelectronics	Nov 15 2014	61		429-433	61	10.1016/j.bios.2014.05.053
A highly selective fluorescent 'turn-on' chemosensor for Zn^{2+} based on a benzothiazole conjugate: their applicability in live cell imaging and use of the resultant complex as a secondary sensor of CN^-	Khairnar, Nilesh; Tayade, Kundan; Sahoo, Suban K.; Bondhopadhyay, Banashree; Basu, Anupam; Singh, Jasminder; Singh, Narinder; Gite, Vikas; Kuwar, Anil	Dalton Transactions	2015	44	5	2097-2102	54	10.1039/c4dt03247k
Al^{3+} selective colorimetric and fluorescent red shifting chemosensor: application in living cell imaging	Patil, Rahul; Moirangthem, Anuradha; Butcher, Ray; Singh, Narinder; Basu, Anupam; Tayade, Kundan; Fegade, Umesh; Hundiware, Dilip; Kuwar, Anil	Dalton Transactions	2014	43	7	2895-2899	37	10.1039/c3dt52770k
A highly selective and sensitive fluorescent 'turn-on' chemosensor for Al^{3+} based on	Torawane, Pritam; Tayade, Kundan; Bothra, Shilpa; Sahoo, Suban	Sensors And Actuators B-Chemical	JAN 2016	222		562-566	32	10.1016/j.snb.2015.08.104

C=N isomerisation mechanism with nanomolar detection	K.; Singh, Narinder; Borse, Amulrao; Kuwar, Anil							
An amide based dipodal Zn ²⁺ complex: nanomolar detection of HSO ₄ ⁻ in a semi-aqueous system	Fegade, Umesh; Sharma, Hemant; Tayade, Kundan; Attarde, Sanjay; Singh, Narinder; Kuwar, Anil	Organic & Biomolecular Chemistry	OCT 21 2013	11	39	6824-6828	28	10.1039/c3ob41291a
A novel urea-linked dipodal naphthalene-based fluorescent sensor for Hg(II) and its application in live cell imaging	Tayade, Kundan; Bondhopadhyay, Banashree; Basu, Anupam; Chaitanya, G. Krishna; Sahoo, Suban K.; Singh, Narinder; Attarde, Sanjay; Kuwar, Anil	Talanta	MAY 2014	122		16-22	26	10.1016/j.talanta.2013.12.067
A novel zinc(II) and hydrogen sulphate selective fluorescent turn-on chemosensor based on isonicotiamide: INHIBIT type's logic gate and application in cancer cell imaging	Tayade, Kundan; Bondhopadhyay, Banashree; Keshav, Karunesh; Sahoo, Suban K.; Basu, Anupam; Singh, Jasmider; Singh, Narinder; Nehete, Dileep T.; Kuwar, Anil	Analyst	2016	141	5	1814-1821	23	10.1039/c5an02295a
Turn-on fluorescent chemosensor for zinc(II) dipodal ratiometric receptor: application in live cell imaging	Tayade, Kundan; Bondhopadhyay, Banashree; Sharma, Hemant; Basu, Anupam; Gite, Vikas; Attarde, Sanjay; Singh, Narinder; Kuwar, Anil	Photochemical & Photobiological Sciences	2014	13	7	1052-1057	18	10.1039/c4pp00034j

Novel fluorescent chemosensing of CN ⁻ anions with nanomolar detection using the Zn ²⁺ -isonicotinohydrazide metal complex	Khairnar, Nilesh; Tayade, Kundan; Bothra, Shilpa; Sahoo, Suban K.; Singh, Jasinder; Singh, Narinder; Bendre, Ratnamala; Kuwar, Anil	RSC Advances	2014	4	79	41802-41806	16	10.1039/c4ra06358a
Highly selective optical and reversible dual-path chemosensor for cyanide detection and its application in live cells imaging	Keshav, Karunesh; Torawane, Pritam; Kumawat, Mukesh Kumar; Tayade, Kundan; Sahoo, Suban K.; Srivastava, Rohit; Kuwar, Anil	Biosensors & Bioelectronics	JUN 15 2017	92		95-100	15	10.1016/j.bios.2017.02.006
Fluorogenic ratiometric dipodal optode containing imine-amide linkages: Exploiting subtle thorium (IV) ion sensing	Tayade, Kundan; Kaur, Amanpreet; Tetgure, Sandesh; Chaitanya, G. Krishana; Singh, Narinder; Kuwar, Anil	Analytica Chimica Acta	DEC 10 2014	852		196-202	15	10.1016/j.aca.2014.09.016
Architecture of dipodal ratiometric motif showing discrete nanomolar response towards fluoride ion	Tayade, Kundan; Sahoo, Suban K.; Singh, Amanpreet; Singh, Narinder; Mahulikar, Pramod; Attarde, Sanjay; Kuwar, Anil	Sensors And Actuators B-Chemical	OCT 2014	202		1333-1337	15	10.1016/j.snb.2014.05.084
Design and Synthesis of a Pyridine Based Chemosensor: Highly Selective Fluorescent Probe For Pb ²⁺	Tayade, Kundan C.; Kuwar, Anil S.; Fegade, Umesh A.; Sharma, Hemant; Singh, Narinder;	Journal of Fluorescence	JAN 2014	24	1	19-26	15	10.1007/s10895-013-1287-6

	Patil, Umesh D.; Attarde, Sanjay B.							
2,2'-[Benzene-1,2-diylbis(iminomet hanediyl)]diphenol derivative bearing two amine and hydroxyl groups as fluorescent receptor for Zinc(II) ion	Tayade, Kundan; Sahoo, Suban K.; Patil, Rahul; Singh, Narinder; Attarde, Sanjay; Kuwar, Anil	Spectrochimica Acta Part A-Molecular And Biomolecular Spectroscopy	MAY 21 2014	126		312-316	14	10.1016/j.saa.2014.02.003
A fluorescent turn-on sensor for the biologically active Zn ²⁺ ion	Tayade, Kundan; Sahoo, Suban K.; Chopra, Shweta; Singh, Narinder; Bondhopadhyay, Banashree; Basu, Anupam; Patil, Nilima; Attarde, Sanjay; Kuwar, Anil	Inorganica Chimica Acta	SEP 1 2014	421		538-543	13	10.1016/j.ica.2014.05.014
Bis(2-Hydroxy-3-Isopropyl-6-Methyl-Benzaldehyde)Ethylenediamine: A Novel Cation Sensor	Kuwar, Anil S.; Fegade, Umesh A.; Tayade, Kundan C.; Patil, Umesh D.; Puschmann, Horst; Gite, Vikas V.; Dalal, Dipak S.; Bendre, Ratnamala S.	Journal Of Fluorescence	SEP 2013	23	5	859-864	13	10.1007/s10895-013-1223-9
Selective ciprofloxacin antibiotic detection by fluorescent siderophore pyoverdine	Pawar, Madhuri K.; Tayade, Kundan C.; Sahoo, Suban K.; Mahulikar, Pramod P.; Kuwar, Anil S.; Chaudhari, Bhushan L.	Biosensors & Bioelectronics	JUL 15 2016	81		274-279	10	10.1016/j.bios.2016.03.003
Ratiometric fluorescent scaffold giving discrete response towards iodide ion: a combined	Patil, Rahul; Tayade, Kundan; Sahoo, Suban K.; Singh, Jasminder;	Journal Of Molecular Recognition	NOV 2014	27	11	683-688	9	10.1002/jmr.2392

experimental and DFT study	Singh, Narinder; Hundiware, Dilip; Kuwar, Anil							
A chemosensor selection for the fluorescence identification of tryptophan (Trp) amino acids in aqueous solutions with nanomolar detection	Tayade, Kundan; Sonawane, Mahendra; Torawane, Pritam; Singh, Amanpreet; Singh, Narinder; Kuwar, Anil	Sensors And Actuators B-Chemical	JUL 2017	246		563-569	5	10.1016/j.snb.2017.02.121
Exploration of selective recognition of iodide with dipodal sensor: 2,2'-(ethane-1,2-diylbis(iminoethane-1,1-diyl))diphenol	Tayade, Kundan; Gallucci, Judith; Sharma, Hemant; Attarde, Sanjay; Patil, Rahul; Singh, Narinder; Kuwar, Anil	Dalton Transactions	2014	43	9	3584-3588	5	10.1039/c3dt52690a
A new lawsone azo-dye for optical sensing of Fe ³⁺ and Cu ²⁺ and their DFT study	Sonawane, Mahendra; Tayade, Kundan; Sahoo, Suban K.; Sawant, Chatur P.; Kuwar, Anil	Journal Of Coordination Chemistry	2016	69	18	2785-2792	3	10.1080/00958972.2016.1210801
Fluorescence detection by thiourea based probe of physiologically important sodium ion	Tayade, Kundan; Chaitanya, G. Krishna; Singh, Jasminder; Singh, Narinder; Ingle, Sopan; Attarde, Sanjay; Kuwar, Anil	Journal Of Luminescence	OCT 2014	154		68-73	2	10.1016/j.jlumin.2014.04.011
Cu ²⁺ -driven metallo-supramolecular self-assembly and its application in sensing of hydroxyl ion	Kuwar, Anil; Tayade, Kundan; Keshav, Karunesh; Sahoo, Suban K.; Mayank; Singh, Narinder	Supramolecular Chemistry	2018	30	1	52-60	1	10.1080/10610278.2017.1357817
Synthesis of organic motif	Tayade, Kundan C.;	Materials Chemistry	FEB 15	188		8-17	0	10.1016/j.matchemphys.2016.1

tailored hybrid nanoframes: Exploiting in vitro bioactivity and heavy metal ion extraction applications	Kuwar, Anil S.; Ingle, Sopan T.; Attarde, Sanjay B.	And Physics	2017					2.034
Exploration of highly selective fluorogenic 'on-off' chemosensor for H ₂ PO ₄ ⁻ ions: ICT-based sensing and ATPase activity profiling	Wagh, Yogesh B.; Tayade, Kundan C.; Kuwar, Anil.; Sahoo, Suban K.; Mayan K.; Singh, Dalal, Dipak S.	Luminescence, WILEY	2020	35	3	379–384	0	10.1002/BIO.3737

Not Notified in Web of Science and Scopus								
Title	Authors	Source Title	Publication Date	Volume	Issue	Page Number	Total Citations	DOI/Web Link
Macrocyclic Adsorbed Hybrid Nanoparticles for Preconcentration and Atomic Absorption Spectrophotometric Estimation of Zinc from Acid Leached Rodenticide	Tayade, Kundan C.; Ingle, Sopan T.; Attarde, Sanjay B.	Journal of Applicable Chemistry	2018	7	2	343-352	0	http://www.joac.info/ContentPaper/2018/1-7-2.pdf
Design, synthesis and Characterization of a Novel Macrocyclic/nanocrystal Mesoporous Hybrids	Tayade, Kundan C.; Ingle, Sopan T.; Attarde, Sanjay B.	International Journal of Advanced Scientific and Technical Research	2018	1	6	533-557	1	https://rpublication.com/ijst/2016/feb16/46.pdf

Participation as a Guest Lecture/Resource person/Paper presenter/Invited talk:

Sr. No.	Name of Topic	Name of Invited Institute	Role
1	Modern Separation Sciences (29.10.2018 to 31.10.2018)	School of Chemical Sciences, NMU, Jalgaon	Guest Lecture
2	One Day State Level Workshop on "Hands-on Training on Analytical Instruments" (05.08.2019)	Department of Chemistry, RSM, Latur	Resource person
3	One day State Level Workshop on "Research Report Writing" (30.01.2020)	Department of Mathematics, RSM, Latur	Resource person
4	A Two Day National Analytical Instruments Training Program (15.01.2021 & 16.01.2021)	Department of Microbiology, RSM, Latur	Resource person

Seminars/Workshops/Guest Lectures/ Conferences/Webinars Organized:

Sr. No.	Event Organized
1	Organizing Committee Member of “Nanomaterials, Industrial Polymers and Eco-friendly Coatings- Perspectives and Challenges” (NIPEC-2012), NMU, Jalgaon, Dated 18.02.2012
2	Organizing Committee Member of “Project, Thesis and Paper Writing in Chemistry” organized by School of Chemical Sciences, NMU, Jalgaon on 0.9.03.2012
3	Organizing committee member of “Innovations in Chemistry – Laboratory to Society” (ICLS-2013) organized on 11.03.2013 by School of Chemical Sciences, NMU, Jalgaon
4	Organizing Committee Member of “Global Opportunities for Latest Developments in Chemistry and Technology-2014 (GOLD-CT-2014)” Dated: 06.02.2014-07.02.2014, arranged by School of Chemical Sciences, NMU, Jalgaon
5	Organizing Committee Member of the symposium Frontiers in Advances in Chemistry and Technology (FACT-2015) arranged by School of Chemical Sciences, NMU, Jalgaon, Dated 11.12.2021 to 12.12.2015
6	Convener for One Day National Workshop on “Hands-on and Corporate Training on Maintenance of Laboratory Instruments-2019 (HCTMLI-2019)” organized on 28.08.2019 by Department of Chemistry and Analytical Chemistry, RSM (Autonomous), Latur
7	Organizing Committee Member of the National Seminar on Career Opportunities and Requirements in Pharmaceutical Industries (CORPI-2020) arranged by on 20.01.2020 Department of Chemistry and Analytical Chemistry, RSM (Autonomous), Latur
8	Convener for One Day National Workshop on “Good Laboratory Practices & Its Integration to NAAC-2020” organized on 30.12.2020 by Department of Chemistry and Analytical Chemistry, RSM (Autonomous), Latur
9	Convener for One Day National Workshop on “Exploration on Intellectual Property Right’s (EIPR-2021) organized on 01.01.2021 by Department of Chemistry and Analytical Chemistry, RSM (Autonomous), Latur
10	Organizing Committee Member of the One Day National Workshop on “Competitive Examinations in Chemical Sciences: Pave Route to Success-2021” on 23.01.2021 Department of Chemistry and Analytical Chemistry, RSM (Autonomous), Latur

Other Accomplishments/ Awards:

Sr. No.	Accomplishments/ Awards
1	Elected as “General Secretary (GS)” at Shiskhan Prasarak Mandali’s Tilak College of Education, Pune-2010
2	Adya Guru Mata Pitir Paritoshik for “Best student B. Ed. 2009-2010” at Shiskhan Prasarak Mandali’s Tilak College of Education, Pune
3	2 nd prize in intercollegiate street play competition at Azam College of Education, Pune
4	Best poster presentation award in Frontiers in Advances in Chemistry and Technology (FACT-2015), 11.12.2021 to 12.12.2015
