CURRICULUM VITAE

DR. ANIL SAHEBRAO KUWAR

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Objective - To Pursue a Challenging and Growth Oriented Career

- **Academic Profile: Details of Professional Academic Record**

Examination / Degree	**University**	**Year of Passing**	**Mark Obtained**	**Major Subjects**
Ph.D. (Chemistry)	North Maharashtra University, Jalgaon India.	2007	Title "*Synthesis, Characterization and Act ivities of Metal complexes of Ortho-thymoldehyde derivatives*"	
M. Sc. (Inorganic Chemistry)	North Maharashtra University, Jalgaon India.	2001	First Class	Inorganic Chemistry

- **Employment History (including Post Doctoral)**

Sl. No.	Position	Institute	Topic	Date of Joining	Date of Leaving	Duration
1	Assistant Professor	North Maharashtra University, Jalgaon, India	Teaching and Research in Inorganic Chemistry	07/07/2017	Till date	4 Year
2	Young Scientist SERB-DST Project	North Maharashtra University, Jalgaon, India	Teaching and Research in Inorganic Chemistry	25/10/2012	30/06/2017	5 Year
3	Assistant Professor UGC XI th Plan Post	North Maharashtra University, Jalgaon, India	Teaching and Research in Inorganic Chemistry	30/04/2011	31/05/2012	1 Year 1 Month
4	R and D Associate	Gulbrandsen Technology Ltd, Vadodara, Gujarat	Research on Industry Product	19/05/2010	29/04/2011	1 Year
5	Post Doctoral Research Fellow	University of Utsunomiya, Utsunomiya, Japan	Supramolecular Chemistry	01/04/2008	31/03/2010	2 Year
6	Post Doctoral Research Fellow	Sunchon National University, Sunchon, South Korea	Supramolecular Chemistry	01/03/2007	29/02/2008	1 Year

- **Life Membership for various organization**

a) Indian Council of Chemists, Agra.

b) Indian Association of Solid-State Chemist & Allied Scientists, Jammu

c) Korean Chemical Society, South Korea.

List of Publications-73 Corresponding Author*	**Citation: 1621** **h-index: 24** **Ref:https://www.scopus.com /authid/detail.uri?authorId= 14066017700**			
Sr. No	**Authors**	**Title**	**Journal, Year, Volume and Page number**	**Publisher**
1.	**Anil Kuwar***, In-ho Song, Pritam D Torawane, Jung-Seop Lee, Suban K Sahoo, Satish Balasaheb Nimse	Detection of Al^{3+} and Cu^{2+} ions by isonicotinohydrazide based chemosensors and its application to live cell imaging.	Materials Advances 2021, 2, 6306-6314	The Royal Society of Chemistry
2.	Anu Saini, Manpreet Kaur, Mayank, **Anil Kuwar***, Navneet Kaur and Narinder Singh	Hybrid Nanoparticles Based Fluorescence Switch for Recognition of Ketoprofen in Aqueous medium.	Molecular Systems Design & Engineering, 2020, 5, 1428-1436	The Royal Society of Chemistry
3.	Yogesh B. Wagh, Kundan C. Tayade, **Anil Kuwar**, Suban K. Sahoo, Mayank, Narinder Singh, Dipak S. Dalal.	Exploration of highly selective fluorogenic ‘on–off’ chemosensor for $H_2PO_4^-$ ions: ICT-based sensing and ATPase activity profiling	Luminescence, 2020, 35 (3), 379-384.	John Wiley & Sons

4.	M. Kaur, P. Raj, N. Singh, **A. Kuwar, *** and N. Kaur	Benzimidazole-Based Imine-Linked Copper Complexes in Food Safety: Selective Detection of Cyproheptadine and Thiabendazole	ACS Sustainable Chem. Eng. 2018, 6, 3723−3732	American Chemical Society
5.	A.Saini, R.Kaur, N. Singh, **A. Kuwar, *** and N. Kaur	High Performance Fluorescent Turn-On Probe for Amitriptyline 2 Based on Hybrid Nanoassembly of Organic-Inorganic Nanoparticles	ACS Appl. Bio Mater., 2019, 2 (1), 135–143	American Chemical Society
6.	R.Kaur, S.K.Sahoo, N. Singh, **A. Kuwar,*** and N. Kaur	Rhodamine based NIR and ratiometric fluorescent sensor for selective identification of potassium ion: application in biological sample	Supramolecular Chemistry, 2019, 31, 1, 36–44	Taylor & Francis
7.	R.Kaur, N. Singh, **A. Kuwar, *** and N. Kaur	Colorimetric sensor for detection of trace level Al (III) in aqueous medium based on organic-inorganic nanohybrid	Chemical Physics Letters, 2019, 722, 140-145	Elsevier
8.	N. Kaur, S Chopra, G. Singh, P. Raj, A. Bhasin, S. K. Sahoo, **A. Kuwar** *, N.Singh.	Chemosensors for biogenic amines and biothiols (**Review**)	J. Mater. Chem. B, 2018, 6, 4872-4902	The Royal Society of Chemistry

9.	M Patil, K Keshav, M K. Kumawat, S Bothra, S K. Sahoo, R Srivastava, J Rajput, R Bendre, **A Kuwar***	Monoterpenoid derivative based ratiometric fluorescent chemosensor for bioimaging and intracellular detection of Zn^{2+} and Mg^{2+} ions	Journal of Photochemistry & Photobiology A: Chemistry, 2018, 364 758–763	Elsevier
10.	M Patil, S Bothra, S K. Sahoo, H.A. Ahmad, R. Vasita R Bendre, **A Kuwar***	Highly selective nicotinohydrazide based 'turn-on' chemosensor for the detection of bioactive zinc (II): Its biocompitability and bioimaging application in cancer cells	Sensors and Actuators B: Chemical 2018, 270, 200-206	Elsevier
11.	**A. Kuwar***, K. Tayade, K. Keshav, S.K. Sahoo, Mayank and N. Singh	Cu^{2+} driven metallo-supramolecular self-assembly and its application in sensing of hydroxyl ion	Supramolecular Chemistry, 2018, 30, 52–60	Taylor & Francis
12.	N. Kaur, M. Kaur, S.Chopra, J. Singh; **A. Kuwar,*** N. Singh	Fe (III) conjugated Fluorescent Organic Nanoparticles for Ratiometric Detection of Tyramine in Aqueous Medium: A Novel Method to Determine Food Quality	Food Chemistry, 2018, 245, 1257-1261	Elsevier
13.	N.Kaur, G.Kaur, A.Singh, U.Fegade, **A. Kuwar***,	Anion sensing with chemosensors having multiple -NH recognition Units	Trends in Analytical Chemistry, 2017, 95, 86-109	Elsevier

	N.Singh	(**Review**)		
14.	K.Keshav, P.Torawane, K.Tayade, S.Sahoo, M.Kumavat, R Srivastav, **A. Kuwar***	Highly selective optical and reversible dual path chemosensor for cyanide detection and its application in live cells imaging,	Biosensors and Bioelectronics, 2017, 92, 95-100	Elsevier
15.	P. Torawane, K.Keshave, S.Sahoo, M. Kumavat, R Srivastav, A.Borase, **A. Kuwar***	A novel terephthalaldehyde based turn-on fluorescent chemosensor for Cu^{2+} and its application in imaging of living cells.	Photochemical and Photobiological Sciences 2017, 16, 1464 - 1470	The Royal Society of Chemistry
16.	K Tayade, M Sonawane, P Torawane, A Singh, N Singh, **A Kuwar***	A chemosensor selection for the fluorescence identification of tryptophan (Trp) amino acids in aqueous solutions with nanomolar detection	Sensors and Actuators B: Chemical, 2017, 246, 563-569	Elsevier
17.	A Kaur, R Kaur, **A Kuwar***, N Singh, N Kaur	Dihydropyrimidones based chloride ion chemosensor functional in aqueous solution under environmentally relevant conditions	Supramolecular Chemistry 2017, 29 (7), 506-517	Taylor & Francis
18.	P Torawane, SK Sahoo, A	A new Schiff base as a turn-off	Luminescence, 2017, 32 (8),	John Wiley

	Borse, **A Kuwar***	fluorescent sensor for Cu2+ and its photophysical properties	1426-1430	& Sons
19.	K. Tayade, **A. Kuwar**, S. Ingle, S. Attarde	Synthesis of organic motif tailored hybrid nanoframes: Exploiting in vitro bioactivity and heavy metal ion extraction applications	Materials Chemistry and Physics, 2017, 188, 8-17	Elsevier
20.	H Sharma, N. Kaur, A. Singh, **A. Kuwar*** and N. Singh	Optical chemosensors for water sample analysis (**Invited Review**)	J. Mater. Chem. C, 2016, 4, 5154-5194	The Royal Society of Chemistry
21.	M.Sonawane, K.Tayade, S.K.Sahoo, C.Sawant and **A.Kuwar***	A new lawsone azo dye for optical sensing of Fe^{3+} and Cu^{2+} and their DFT study	Journal of Coordination Chemistry 2016, 18, 2785-2792	Taylor & Francis Production
22.	M.Pawar, K.Tayade, S.K.Sahoo, P.P.Mahulikar, **A.Kuwar***,B.L.Chaudhari	Selective ciprofloxacin antibiotic detection by fluorescent siderophore pyoverdin	Biosensors and Bioelectronics, 2016, 81, 274-279	Elsevier
23.	P. Torawane, K. Tayade, S. Bothra, S.K. Sahoo, N.Singh, A. Borse, **A. Kuwar***	A highly selective and sensitive fluorescent 'turn-on' chemosensor for Al^{3+} based on C=N isomerization mechanism with nanomolar detection.	Sensors and Actuators B: Chemical, 2016, 222,562-566	Elsevier
24.	K. Tayade, K. Keshav, S. K Sahoo, B.	A novel zinc (II) and hydrogen sulphate selective fluorescent "turn-on"	Analyst, 2016,141, 1814-1821	The Royal Society of

	Bondhopadhyay, N. Singh, A. Basu, D.Nehete, **A. Kuwar***	chemosensor based on isonicotiamide: INHIBIT type's logic gate and application in cancer cell imaging		Chemistry
25.	S. K. Sahoo, D.Sharma, A.Kuba, **A. Kuwar,** A.Basu	Pyridoxal derived chemosensor for chromogenic sensing of Cu^{2+} and fluorogenic sensing of Fe^{3+} in semi-aqueous medium.	Journal of Luminescence, 2016, 172, 297-303	Elsevier
26.	S.K. Sahoo, D.Sharma, A.Kuba, **A. Kuwar**, H. Choi	Acetate selective fluorescent turn-on sensors derived using vitamin B_6 cofactor pyridoxal-5-phosphate.	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2016, 157, 110-115	Elsevier
27.	D. Sharma, A. Moirangthem, R. Kumar, S. K. A. Kumar, **A. Kuwar**, J. F. Callan, A. Basu and S. K. Sahoo	Pyridoxal-thiosemicarbazide: its anion sensing ability and application in living cells imaging.	RSC Advances, 2015, 5, 50741–50746	The Royal Society of Chemistry
28.	U. Fegade, S. K. Sahoo, A.Singh, S. Attarde, N. Singh and **A. Kuwar***	A chemosensor showing discriminating fluorescent response for highly selective and nanomolar detection of Cu^{2+} and Zn^{2+} and its application in	Analytica Chimica Acta, 2015, 872, 63–69	Elsevier

		molecular logic gate.		
29.	Y. B. Wagh, **A. Kuwar**, S. K. Sahoo, J. Galluccic, D. S. Dalal	Highly selective fluorimetric sensor for Cu^{2+} and Hg^{2+} using a benzothiazole-based receptor in semi-aqueous media and molecular docking studies.	RSC Advances, 2015, 5, 45528–45534	The Royal Society of Chemistry
30.	S. Patil, R. Patil, U. Fegade, B. Bondhopadhyay, S. K.Sahoo, N. Singh, A. Basu, R. Bendre , **A. Kuwar***	A novel phthalazine based highly selective chromogenic and fluorogenic chemosensor for Co^{2+} in semi-aqueous medium: Application in cancer cell imaging.	Photochemical and Photobiological Sciences, 2015, 14, 439-443	The Royal Society of Chemistry
31.	M.Sonawane, S. K.Sahoo, J Singh, N. Singh, C.P.Sawant, **A. Kuwar***	A lawsone azo dye-based fluorescent chemosensor for Cu^{2+} and its application in drug analysis.	Inorganic Chemica Acta, 2015,438, 37-41	Elsevier
32.	S.Bothra, R.Kumar, R. Patil, **A. Kuwar**, H.J.Choi, S.K.Sahoo	Virgin silver nanoparticles as colorimetric nanoprobe for simultaneous detection of iodide and bromide ion in aqueous medium.	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 122-126	Elsevier
33.	Y. B. Wagh, **A. Kuwar**,	Highly Efficient Regioselective	Industrial & Engineering	American

	D. R Patil, Y. A. Tayade, A. D. Jangale, S. S. Terdale, D. R. Trivedi, J. Gallucci, D. S Dalal	Synthesis of 2-Imino-4-oxothiazolidin-5-ylidene Acetates via a Substitution-Dependent Cyclization Sequence under Catalyst-Free Conditions at Ambient Temperature.	Chemistry Research, 2015, 54 (40), 9675–9682	Chemical Society
34.	U. Fegade, J. Bhosale, H. Sharma, N. Singh, R. Bendre, **A. Kuwar***	Fluorescence Chemosensor for HSO_4^- Ion Based on Pyrrole-Substituted Salicylimine Zn^{2+} Complex: Nanomolar Detection.	Journal of fluorescence, 2015, 25, 819-824	Springer Ltd
35.	R. Patil, U. Fegade, R. Kaur, S. K Sahoo, N. Singh, **A. Kuwar***	Highly sensitive and selective determination of Hg^{2+} by using 3-((2-(1H-benzo [d] imidazol-2-yl) phenylimino) methyl) benzene-1, 2-diol as fluorescent chemosensor and its application in real water sample.	Supramolecular Chemistry, 2015, 27,527-532	Taylor & Francis
36.	D. Mahajan, N. Khairnar, B. Bondhopadhyay, S. K. Sahoo, A. Basu, J. Singh, N. Singh, R. Bendre and	A highly selective fluorescent 'turn-on'chemosensor for Hg^{2+} based on a phthalazinhydrazone derivative and its application in human cervical cancer	New J. Chem, 2015,39, 3071-3076	The Royal Society of Chemistry

	A. Kuwar*	cell imaging.		
37.	K. Tayade, S. K Sahoo, B. Bondhopadhyay, V. K. Bhardwaj, N. Singh, A. Basu, R. Bendre, **A. Kuwar***	Highly selective turn-on fluorescent sensor for nanomolar detection of biologically important Zn^{2+} based on isonicotinohydrazide derivative: Application in cellular imaging.	Biosensor and Bioelectronics, 2014, 61, 429-433	Elsevier
38.	**A. Kuwar***, R. Patil, A. Singh, S. K Sahoo, N. Singh	A two-in-one dual channel chemosensor for Fe^{3+} and Cu^{2+} with nanomolar detection mimicking IMPLICATION logic gate.	Journal of Materials Chemistry C, 2015, 3, 453-460.	The Royal Society of Chemistry
39.	K. Tayade, A. Kaur, G. K.Chaitanya, N. Singh, **A.Kuwar***	Fluorogenic ratiometric dipodal optode containing imine-amide linkages: Exploiting subtle thorium (IV) ion sensing.	Analytica Chimica Acta, 2014, 852, 196-202	Elsevier
40.	**A. Kuwar***, R. Patil, A.Singh, R. Bendre, N. Singh	A Fluorescent and Colorimetric Sensor for Nanomolar Detection of Co^{2+} in Water.	Chem Phys Chem, 2014, 15, 3933-3937	John Wiley & Sons
41.	S, Pawar, U. Fegade, V. Kumar, N. Singh, R. Bendre, **A. Kuwar***	2-((E)-(2-aminophenylimino) methyl)-6-isopropyl-3-methylphenol based fluorescent receptor for dual Ni^{2+} and	Polyhedron, 2015, 87, 79-85	Elsevier

		Cu^{2+} recognition: Nanomolar Detection.		
42.	D.Sharma, **A. Kuwar**, N.Singh, S.K.Sahoo	Cu^{2+} driven selective colorimetric sensing of iodide ions and AND logic gate using citrate capped AgNPs.	Material letter, 2015, 145, 34-36	Elsevier
43.	N. Khairnar, K. Tayade, B. Bondhopadhyay, J. Singh, S. K Sahoo, N. Singh, V. Gite, A. Basu, **A. Kuwar***	A highly selective fluorescent 'turn-on' chemosensor for Zn^{2+} based on a benzothiozole conjugate, their applicable in live cell imaging and resultant complex as secondary sensor of CN^{-}.	Dalton Transactions, 2015, 44, 2097–2102	The Royal Society of Chemistry
44.	U. Fegade, S. K. Sahoo, S. Attarde, N. Singh and **A. Kuwar***	Colorimetric and fluorescent "on–off" chemosensor for Cu^{2+} in semi-aqueous medium.	Sensors and Actuators B, 2014, 202, 924–928	Elsevier
45.	J. Bhosale, U. Fegade, B. Bondhopadhyay, S.Kaur, N. Singh, A. Basu, R. Bendre, **A. Kuwar***	Pyrrole-coupled salicylimine-based fluorescence "turn on" probe for highly selective recognition of Zn^{2+} ions in mixed aqueous media: Application in living cell imaging.	Journal of Molecular Recognition, 2015, 28, 369–375	John Wiley & Sons
46.	R. Patil, K. Tayade, S. K Sahoo, J. Singh, N. Singh,	Ratiometric fluorescent scaffold giving discrete response towards iodide ion: a	Journal of Molecular Recognition, 2014, 27, 683-	John Wiley & Sons

	D. Hundiwale, **A. Kuwar***	combined experimental and DFT study.	688	
47.	U. Fegade, S. K.Sahoo, N. Singh, R. Bendre , **A. Kuwar***	2,2'-(Hydrazine-1,2 diylidenedimethylylidene) bis(6-isopropyl-3-methylphenol) based selective dual-channel chemosensor for Cu^{2+} in semi aqueous media	RSC Advances, 2014, 4, 39639-39644	The Royal Society of Chemistry
48.	N. Khairnar, K. Tayade, A. Saini, S. K Sahoo, N.Singh, R. Bendre, **A. Kuwar***	Novel fluorescent chemosensing of CN^- anion with nanomolar detection using Zn^{2+} isonicotinohydrazide metal complex.	RSC Advances, 2014, 4, 41802-41806	The Royal Society of Chemistry
49.	U. Fegade, S. Patil, R.Bendre, N. Singh , **A. Kuwar***	A novel chromogenic and fluorogenic chemosensor for detection of trace water in methanol.	Sensors and Actuators: B Chemical, 2015, 210, 324-327	Elsevier
50.	K. Tayade, S. K Sahoo, N.Singh, **A. Kuwar***	Architecture of dipodal ratiometric motif showing discrete nanomolar response towards fluoride ion.	Sensors and Actuators: B Chemical, 2014, 202, 1333-1337	Elsevier
51.	K. Tayade, S. K Sahoo, B. Bondhopadhyay, N. Singh, A. Basu, **A. Kuwar**	A fluorescent "turn-on" sensor for the biologically active Zn^{2+} ion.	Inorganic Chemica Acta, 2014,421, 538-543	Elsevier
52.	S. Patil, U. Fegade, S. K.	Highly sensitive and ratiometric	Chem Phys Chem, 2014, 15,	John Wiley

	Sahoo, A. Singh, J. Marek, N. Singh, R. Bendre, **A.Kuwar***	chemosensor for selective 'naked-eye' and nanomolar detection of Co^{2+} in semi-aqueous medium.	2230-2235	& Sons
53.	K. Tayade, B. Bondhopadhyay, A. Basu, G. K. Chaitanya, S. K. Sahoo, S. Attarde, N.Singh, **A. Kuwar***	A novel urea-linked dipodal naphthalene-based fluorescent sensor for Hg (II) and its application in live cell imaging.	Talanta, 2014, 122, 16-22	Elsevier
54.	K. Tayade, J. Gallucci, H.Sharma, S. Attarde, R. Patil, N. Singh, **A. Kuwar***	Exploration of selective recognition of iodide with dipodal sensor: 2, 2'-[ethane-1, 2-diylbis (iminoethane-1, 1-diyl)] diphenol.	Dalton Transactions, 2014, 43, 3585-3588	The Royal Society of Chemistry
55.	K. Tayade, G. K. Chaitanya, R. Patil, S. Attarde, N. Singh, **A. Kuwar***	Fluorescence Detection by Thiourea Based Probe of Physiologically Important Sodium Ion.	Journal of Luminescence, 2014, 154, 68-73.	Elsevier
56.	K. Tayade, B. Bondhopadhyay, A. Basu, H. Sharma, V. Gite, N. Singh, **A. Kuwar***	*Turn-On'* fluorescent chemosensor for Zinc (II) dipodal ratiometric receptor: Application in live cell imaging.	Photochemical and Photobiology Sciences, 2014, 13, 10552-1057	The Royal Society of Chemistry
57.	A. Chaudhari, A.	Development of anticorrosive two pack	RSC Advances, 2014, 4,	The Royal

	Kuwar, P. Mahulikar, D. Hundiwale, R.Kulkarni, V . Gite	polyurethane coatings based on modified fatty amide of *Azadirachta indica* Juss oil cured at room temperature–a sustainable resource.	17866-17872	Society of Chemistry
58.	R. Patil, A. Moirangthem, R. Butcher, N. Singh, A. Basu, K. Tayade, U. Fegade, D. Hundiwale, **A. Kuwar***	Al^{3+} selective colorimetric and fluorescent red shifting chemosensor: Application in living cell imaging	Dalton Transactions, 2014, 43, 2895-2899	The Royal Society of Chemistry
59.	U. Fegade, S. K.Sahoo, A. Singh, P. Mahulikar, S. Attarde, N. Singh, **A. Kuwar***	A selective and discriminating noncyclic receptor for HSO_4^- ion recognition.	RSC Advances, 2014, 4, 15288-15292	The Royal Society of Chemistry
60.	S. Rajput, V. Gite, **A. Kuwar***	Renewable Source Based Non-Biodegradable Polyurethane Coatings from Polyesteramide Prepared in One-Pot Using Oleic Acid.	Journal of the American Oil Chemists' Society, 2014, 91, 1055-1063	Springer Ltd
61.	U. Fegade, G. K.Chaitanya, S. Tayade, S. Attarde, **A. Kuwar***	Fluorescent and chromogenic receptor bearing amine and hydroxyl functionality for iron (III) detection in	Journal of Fluorescence, 2014, 24, 675-681	Springer Ltd

		aqueous solution		
62.	K.Tayade, S. K. Sahoo, R. Patil, S. Attarde, N. Singh, **A.Kuwar***	2,2'-[benzene-1,2-diylbis(iminomethanediyl)] diphenol derivative bearing two amine and hydroxyl groups as fluorescent receptor for Zinc (II) ion.	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2014, 126, 312–316	Elsevier
63.	U. Fagade, H. Sharma, B. Bondhopadhyay, A. Basu S. Attarde, N. Singh, **A. Kuwar***	"Turn-ON" Fluorescent Dipodal Chemosensor for Nano-Molar Detection of Zn^{2+}: Application in living cells imaging.	Talanta, 2014,125, 418–424	Elsevier
64.	U. Fegade, H.Sharma, K. Tayade, S. Attarde, N. Singh , **A. Kuwar***	An amide based dipodal Zn^{2+} complex: nano-molar detection of HSO_4^- in a semi-aqueous system	Org. Biomol. Chem, 2013, 11, 6824–6828	The Royal Society of Chemistry
65.	U. Fegade, A. Singh, G. K. Chaitanya, N. Singh, S. Attarde, **A. Kuwar***	Highly selective and sensitive receptor for Fe^{3+} probing.	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 2014, 21, 569-574	Elsevier
66.	U. Fegade, H. Sharma, N. Singh, S. Attarde, **A. Kuwar***	An amide based dipodal Zn^{2+} complex for in situ multi cations and nanomolar detection.	Journal of Luminescence, 2014, 149, 190-195	Elsevier
67.	U. Fegade, J. Marek, R.	A selective fluorescent receptor for the	Journal of Luminescence,	Elsevier

	Patil, S. Attarde, **A. Kuwar***	determination of nickel (II) in semi-aqueous media.	2014, 146, 234-238	
68.	U. Fegade, H. Sharma, S. Attarde, N. Singh, **A. Kuwar***	Urea Based Dipodal Fluorescence Receptor for Sensing of Fe^{3+} Ion in Semi-Aqueous Medium.	Journal of Fluorescence, 2014, 24, 27-37	Springer Ltd
69.	U. Fegade, S. Attarde, **A. Kuwar***	Fluorescent recognition of Fe^{3+} ion with photoinduced electron transfer (PET) sensor.	Chemical Physics Letters, 2013, 584, 165–171	Elsevier
70.	K. Tayade, **A. Kuwar***, U. Fegade, H. Sharma, N. Singh, U. Patil, S. Attarde	Design and Synthesis of a Pyridine Based Chemosensor: Highly Selective Fluorescent Probe for Pb^{2+}.	Journal of Fluorescence, 2014, 24, 19-26.	Springer Ltd
71.	**A. Kuwar***, U. Fegade, K. Tayade, U. Patil, H. Puschmann, V. Gite, D. Dalal, R. Bendre	Bis(2-Hydroxy-3-Isopropyl-6-Methyl-Benzaldehyde) Ethylenediamine: A Novel Cation Sensor.	Journal of Fluorescence, 2013, 23, 859–864	Springer Ltd
72.	R. Butcher, R. Bendre and **A. Kuwar**	6,6’-Diisopropyl-3,3-dimethyl-2,2’-azinodiphenol	Acta Cryst, 2007, E63, o3360	John Wiley & Sons
73.	R. Butcher, R. Bendre and **A. Kuwar**	2-Formylthymol oxime	Acta Cryst, 2005, E61, o3511–o3513	John Wiley & Sons

Completed Research Project

Project undertaken	Duration (date)		University / Sponsoring Authority	Funds sanctioned	Present Status
	From	To			
Self Assembly and Studies of Molecular Association and Synthesis of supramolecular compounds containing plural hydroxyl and amide groups via tandem Claisen rearrangement and probing their utility in molecular recognition processes.	25/10/2012	30/06/2017	SERB-DST, New Delhi	2813667/-	Completed

- Best Chemistry Student Awarded in M.Sc.-**2001**

❖ **Patent Filed-01 (2019)**

Sr. No.	CBR Number	Reference Number / Application Type	Application Number	Title/Remark	Amount Paid	Amount Computed
1	21095	ORDINARY APPLICATION Pages:- 8, Claim:- 0, Drawing:- 0, Abstract:-0, Claim Pages:- 0	201921039074	SYNTHESIS OF C,H,N AND S CONTAINING HETEROCYCLIC COMPOUNDS AND THEIR BIOLOGICAL ASPECTS	1750	1750
2		E-101/13926/2019-MUM	201921039074	Correspondence	0	0
3		E-2/2046/2019-MUM	201921039074	Form2	0	0
4		E-3/13044/2019-MUM	201921039074	Form3	0	0
5		E-5/1712/2019-MUM	201921039074	Form5	0	0
Total Amount					1750	1750

❖ **Teaching Experience- Courses and Laboratories**

Sr.No	Title of course taught	Postgraduate/ Undergraduate	Sole instructor or with others
1	Inorganic Chemistry Paper I and II	Postgraduate	Sole instructor
2	Laboratory Course in Inorganic Chemistry	Postgraduate	Sole instructor
3	Concept in Analytical Chemistry	Postgraduate	Sole instructor

4	Applied Industrial Chemistry	Postgraduate	Sole instructor

❖ **Area of Interest**

Core Areas of Specialization	Current Research Interests
Inorganic Chemistry	Supramolecular Chemistry including host-gust chemistry, Biosensor, Chemosensor, Coordination Chemistry.

❖ **Personal Information**

Date of Birth	Nationality	Marital Status	Languages Known
03/10/1978	Indian	Married	English, Hindi, Marathi