


Dr. Sanjay Baliram Attarde	
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Educational Qualifications:

Sr. No.	Degree	UG /PG/ Research	Subject	Name of University	Year of Passing	Percentage/ Grade
1	Ph.D.	Research	Environmental Science	North Maharashtra University, Jalgaon	October 2006	N.A.
2	SET	Eligibility	Chemical Sciences	University of Poona, Pune	April 1997	N.A.
3	M.Sc.	PG	Analytical Chemistry	University of Poona, Pune	April 1991	First with Distinction
4	B.Sc.	UG	Chemistry	University of Poona, Pune	April 1989	First with Distinction

Teaching/Laboratory Experience:

Designation	Name of the Employer	Tenure of Working	
		Joining	Leaving
Associate Professor	School of Environmental & Earth Sciences, North Maharashtra University, Jalgaon	13-07-2014	Working
Assistant Professor	School of Environmental & Earth Sciences, North Maharashtra University, Jalgaon	09-12-2000	12-07-2014
Lecturer	Sardar V.P. Arts & Science college, Ainpur	13-07-2000	08-12-2000
Technical Assistant	U.D.C.T., North Maharashtra University, Jalgaon	06-08-1998	12-07-2000
Lecturer	Bhusawal Arts, Science & P.O. Nahata Commerce College, Bhusawal	28-07-1992	30-04-1998
Analytical Chemist	Modi Zinc Ltd., Tarapur M.I.D.C., Dist. Thane	25-11-1991	26-07-1992

Orientation/ Refresher Courses Completed: 04

Short Term Training Programs Participated: 04

Ph.D. Students:

Sr. No.	Name of the Student	Title of research	Date of Registration	Year of Award
1	Mr. Sarode Dhananjay B.	Liquid Phase Extraction and Spectrophotometric Estimation of Heavy Metals from Fly Ash Admixtures Using N-Benzoyl-N-Phenyl hydroxylamine (BPA) as an Analytical Reagent	22 Jan.2009	2013
2	Mr. Jadhav Ramanand N.	Microbial Remediation of Distillery Spent Wash and Application of Treated Effluent for Crop Irrigation	22 Jan.2009	2013
3	Mr. Narkhede Sachin D.	Composting of Municipal Solid Waste with Sewage Sludge and Utilization for Organic Farming	22 Jan.2009	2013
4	Mr. Khatik Vasim A.	Application of Biosorption and Bioremediation Technique for Nitrate Remediation from Water and Soil	22 Jan.2009	2014
5	Mr. Mahajan Chetan S.	Establishment of Pre-treatment and Reuse Strategies for Sustainable Management of Winery wastewater	22 Jan.2009	2016
6	Ms. Nemade Kanchan S.	Development and Validation of Analytical Methods for Simultaneous Estimation of Nitrate and Nitrite in Complex Sample Matrices	20 Feb 2011	2016
7	Mr. Fegade Umesh A.	Synthesis, Characterization and Applications of Supramolecules for Solvent Extraction and Spectrophotometric Estimation of Heavy Metals	20 Jan 2012	2016
8	Mr. Tayade Kundan C.	Modified Nanoparticles as Adsorbents in Solid Phase Extraction for Enrichment of trace metals in real samples and its determination by spectrophotometry	20 Jan 2012	2017
9	Miss. Joshi Gayatri Y.	Applications of Nanoadsorbents for Removal of Heavy Metals from Water and Wastewater	06 May 2013	Thesis Submitted
10	Mr. Kondalkar Milind S.	Preparation and Characterization of Metal Oxide Nanocomposites and Their Applications for Removal of Inorganic Pollutants from Industrial Effluents	09 Feb 2015	2021
11	Mr. Jethave Ganesh N.	Synthesis and Characterization of Metal Nanoparticles and Their Applications for Removal of Dyes from Wastewater	09 Feb 2015	2021
12	Mr. Patil Sachin D.	Applications of Chemical and Electrochemical Treatment Methods for Remediation of Industrial Sludges and Effluents Contaminated with Toxic Heavy Metals	09 Feb 2015	Thesis Submitted

Areas of Research:

1. Environmental Pollution Analysis.
2. Pollution Control and Waste Management.

Papers Published in Scientific Journals:

I. International

Sr. No.	Authors	Title	Journal	Impact Factor
1	P.P. Kumbhar, U.R. Kapadi, D.G. Hundiwale, S.B. Attarde , P.M. Dewang & N.S. Pawar	Synthesis of thymol ethers and esters using polymer supported thymol anion	<i>OPPI BRIEFS</i> , 32, (6), 600-603 (2000)	1.65
2	S.T. Ingle, B.G.Pachpande, N.D. Wagh & S.B. Attarde	Noise exposure and hearing loss among traffic policemen working at busy streets of Jalgaon urban centre, India	<i>Transportation Research</i> , USA Part-D, 10, 69-75 (2005)	1.66
3	S.T. Ingle, B. G. Pachpande, N. D. Wagh, V. S. Patel & S. B. Attarde	Exposure to vehicular pollution and respiratory impairment in traffic policemen of Jalgaon city, India	<i>Industrial Health</i> , 43, 656-662, (2005)	0.94
4	S.T. Ingle, N.D. Wagh, B.G. Pachpande, V.S. Patel & S.B. Attarde	The influence of workplace environment on lung function of shopkeepers working near national highway in Jalgaon: A note	<i>Transportation Research</i> , Part- D, USA, 10, 476-482 (2005)	1.66
5	N.D. Wagh, B.G. Pachpande, S.B. Attarde , V.S. Patel & S.T. Ingle	Effects of workplace environment on lung function of flourmill workers	<i>J. of Occupational Health</i> , 48, 396-401 (2006)	1.21
6	S.T. Ingle, B.G. Pachpande, N.D. Wagh, V.S. Patel & S.B. Attarde	Assessment of daily noise exposure and prevalence of hearing loss in the shopkeepers working near national highway No.6: A case study of Jalgaon city	<i>J. of Sustainable Transportation</i> , 3, 54-69 (2009)	0.95
7	Ramanand N. Jadhav, Dhananjay B. Sarode, Sachin D. Narkhede, Vasimshikh A. Khatik & Sanjay B. Attarde	Impact of distillery spent wash irrigation on agricultural soil	<i>Advances in Geosciences</i> , <i>World Scientific Publishing Co.</i> , Singapore, 23, 341-354 (2010)	--

8	Dhananjay Bhaskar Sarode, Ramanand Niwratti Jadhav, Vasimshaikh Ayubshaikh Khatik, Sopan Tukaram Ingle & Sanjay Baliram Attarde	Extraction and leaching of heavy metals from thermal power plant fly ash and its admixtures	<i>Polish journal of Environmental Studies</i> , 19 (6), 1325-1330 (2010)	1.11
9	Narkhede S.D., Attarde S.B. & Ingle S.T.	Combined aerobic composting of municipal solid waste and sewage sludge	<i>Global Journal of Environmental Research</i> , 4 (2), 109-112 (2010)	--
10	V.A. Khatik, R.N. Jadhav, D.B. Sarode, S.T. Ingle & S.B. Attarde	Assessment of residual soil nitrate of intensively fertilized banana farms of Jalgaon region	<i>Malaysian J. of Soil Science</i> , Vol. 15, 87-99 (2011)	Scopus indexed
11	L.T. Ingle, K.J. Dube, D.B. Sarode, S.B. Attarde & S.T. Ingle	Monitoring and respiratory health assessment of the population exposed to cooking fuel emissions in a rural area of Jalgaon district, India	<i>Asia Pacific Journal of Public Health</i> , XX (X), 1-13 (2011)	1.05
12	S.D. Narkhede, S.B. Attarde & S.T. Ingle	Study on effect of chemical fertilizer and vermicompost on growth of chili pepper plant (<i>Capsicum annum</i>)	<i>J. of Applied Sciences in Environmental Sanitation</i> , 6, (3) 327-332 (2011)	1.12
13	C.S. Mahajan, D.V. Patil, D.B. Sarode, R.N. Jadhav & S.B. Attarde	Biodegradation of pollutants from winery wastewater by using fungi <i>Aspergillus fumigates</i> and bacterium <i>Bacillus subtilis</i>	<i>J. Int. Environmental Applications & Science</i> , 7 (2), 234-330 (2012)	--
14	Dhananjay B. Sarode, Sopan T. Ingle & Sanjay B. Attarde	Formula establishment of colorless Pb (II) complex with N-Benzoyl-N-Phenyl Hydroxylamine (BPA) using atomic absorption spectroscopy	<i>Indo. J. Chem.</i> , 12 (1), 12-19 (2012)	0.94
15	Nilesh K. Mahale, Sachin D. Patil, Dhananjay B. Sarode & Sanjay B. Attarde	Effect of fly ash as an admixture in agriculture and study of heavy metal accumulation in Wheat (<i>Triticum aestivum</i>), Mung bean (<i>Vigna radiata</i>) and Urad bean (<i>Vigna mungo</i>)	<i>Polish journal of Environmental Studies</i> , 21 (6), 1713-1719 (2012)	1.11
16	Attarde S.B. , Narkhede S.D., Patil R.P. & Ingle S.T.	Effect of organic and inorganic fertilizers on the growth and nutrient content of <i>Abelmoschus</i>	<i>International J. of Current Research</i> , 4, (10),137-140 (2012)	1.13

		<i>esculentus</i> (Okra crop)		
17	Umesh Fegade, Hemant Sharma, Kundan Tayade, Sanjay Attarde , Narinder Singh & Anil Kuwar	Amide based dipodal Zn ⁺² complex: A nano molar detection of HSO ₄ ⁻ in semi-aqueous system	<i>Organic & Biomolecular Chemistry, Royal Society of Chemistry</i> , 11, 6824-6828 (2013)	3.57
18	Umesh Fegade, Sanjay Attarde & Anil Kuwar	Fluorescent recognition of Fe ³⁺ ion with photo induced electron transfer (PET) sensor	<i>Chemical physics Letters, Elsevier</i> , 584, 165-171 (2013)	2.15
19	N.K. Mahale, R.D. Ladhe, S.B. Attarde & S.T. Ingle	Synthesis and Structural Transformation of fcc to hcp in Ni-Graphene Nanocomposite by Simple Chemical Route via Sonication	<i>J. of Nanoparticles, Hindawi</i> , Vol. 2014, Article ID 305637, 1-7 (2014)	1.611
20	Umesh Fegade, Hemant Sharma, Sanjay Attarde , Narinder Sing & Anil Kuwar	Urea Based Dipodal Fluorescence Receptor for Sensing of Fe ³⁺ Ion in Semi-Aqueous Medium	<i>J. of fluorescence, Springer</i> , 24, 27–37 (2014)	1.789
21	Umesh Fegade, Jaromir Marek, Rahul Patil, Sanjay Attarde & Anil Kuwar	A selective fluorescent receptor for the determination of nickel (II) in semi-aqueous media	<i>Journal of Luminescence, Elsevier</i> , 146, 234–238 (2014)	2.14
22	Umesh Fegade, G. Krishna Chaitanya, Sanjay Attarde , Narinder Singh & Anil Kuwar	Highly selective and sensitive colorimetric receptor for Fe ³⁺ probing	<i>Spectrochimica Acta Part A, ELSEVIER</i> 121, 569-574 (2014)	1.98
23	Umesh Fegade, G. Krishna Chaitanya, Shivaji Tayade, Sanjay Attarde & Anil Kuwar	Fluorescent and chromogenic receptor bearing amine and hydroxyl functionality for iron (III) detection in aqueous solution	<i>Journal of Fluorescence Springer</i> , 24, 675-681 (2014)	1.79
24	Umesh Fegade, Sanjay Attarde , S. K Sahoo, Narinder Singh & Anil Kuwar	A Selective and discriminating noncyclic receptor for HSO ₄ ⁻ ion recognition: 2, 2-(pyridine-2,6-diylbis(azanediyl)) bis (methylene) diphenol	<i>RSC Advance, Royal society of chemistry</i> , 4, 15288–15292 (2014)	2.55
25	Umesh Fegade, Hemant Sharma, Banashree Bondhopadhyay, Anupam Basu, Sanjay Attarde , Narinder Singh & Anil Kuwar	“Turn-on” fluorescent dipodal chemosensor for nanomolar detection of Zn ²⁺ : Application in living cells imaging	<i>Talanta, Elsevier</i> , 125, 418–424 (2014)	3.51

26	U. Fegade, H. Sharma, N. Singh, S. Ingle, S. Attarde & A. Kuwar,	An amide based dipodal Zn ²⁺ complex for multication recognition: Nanomolar detection	<i>Journal of Luminescence, Elsevier</i> , 149, 190-195 (2014)	2.37
27	U. Fegade, S. K. Sahoo, S. Attarde & A. Kuwar,	Colorimetric and fluorescent "On-Off" chemosensor for Cu ²⁺ in semi-aqueous medium	<i>Sensors and Actuators B, Elsevier</i> , 202, 924-928 (2014)	3.84
28	U. Fegade & S. Attarde	Extraction of Lead from battery recycling plant effluent using 2,2'-[ethane-1,2-diylbis(iminomethanediyl)]diphenol	<i>International Journal of Advanced Scientific and Technical Research, RS Publication</i> , 1, 614-623 (2014)	2.94
29	U. Fegade, S. K. Sahoo, A. Singh, N. Singh, S. Attarde & A. Kuwar,	A chemosensor showing discriminating fluorescent response for highly selective and nanomolar detection of Cu ²⁺ and Zn ²⁺ and its application in molecular logic gate	<i>Analytica Chimica Acta, Elsevier</i> , 872, 63-69 (2015)	4.52
30	Kundan C. Tayade, Anil S. Kuwar, Umesh Fegade, Hemant Sharma, Narinder Sing & Sanjay Attarde	Design and synthesis of pyridine based chemosensors: Highly selective fluorescent probe for Pb ²⁺	<i>J. of fluorescence, Springer</i> 24, (1), 19-26 (2014)	1.79
31	Kundan Tayade, G. Krishna Chaitanya, Jasminder Singh, Narinder Singh, Sopan Ingle, Sanjay Attarde & Anil Kuwar	Fluorescence detection by thiourea based probe of physiologically important sodium ion	<i>Journal of Luminescence, Elsevier</i> , 154, 68-73 (2014)	2.69
32	Kundan Tayade, Suban K. Sahoo, Rahul Patil, Narinder Singh, Sanjay Attarde & Anil Kuwar	2,2'-[Benzene-1,2-diylbis(iminomethanediyl)]diphenol derivative bearing two amine and hydroxyl groups as fluorescent receptor for Zinc(II) ion	<i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, Elsevier</i> . 126, 312-316 (2014)	2.00
33	Kundan Tayade, Judith Gallucci, Hemant Sharma, Sanjay Attarde , Rahul Patil, Narinder Singh & Anil Kuwar	Exploration of selective recognition of iodide with dipodal sensor: 2,2'-[ethane-1,2-diylbis(iminoethane-1,1-diyl)]diphenol	<i>Dalton Trans., RSC Publishing</i> , 43, 3584-3588 (2014)	3.81

34	Kundan Tayade, Banashree Bondopadhyay, Anupam Basu, G. Krisna Chaitanya, Subhan K. Sahoo, Narinder Singh, Sanjay Attarde & Anil Kuwar	A novel urea-linked dipodal naphthalene-based fluorescent sensor for Hg(II) and its application in live cell imaging	<i>Talanta, Elsevier,</i> 122, 16-22 (2014)	3.50
35	Kundan Tayade, Suban K Sahoo, Amanpreet Singh, Narinder Singh, Pramod Mahulikar, Sanjay Attarde & Anil Kuwar	Architecture of dipodal ratiometric motif showing discrete nanomolar response towards fluoride ion	<i>Sensors and Actuators B: Chemical, Elsevier,</i> 202, 1333-1337 (2014)	5.40
36	Kundan Tayade, Banashree Bondhopadhyay, Hemant Sharma, Anupam Basu, Vikas Gite, Sanjay Attarde, Narinder Singh & Anil Kuwar	Turn-on" fluorescent chemosensor for zinc(II) dipodal ratiometric receptor: application in live cell imaging	<i>Photochemical & Photobiological Sciences, Royal Soc. Chemistry,</i> 13, 1052-1057 (2014)	2.34
37	Tayade Kundan, Sahoo Suban K., Chopra Shweta, Singh Narinder, Bandopadhyay Banshreee, Basu Anupam, Patil Nilima, Attarde Sanjay & Kuwar Anil	A fluorescent "turn-on" sensor for the biologically active Zn ²⁺ ion	<i>Inorganica Chimica Acta, Elsevier,</i> 421, 538-543 (2014)	2.00
38	Kundan C. Tayade, Anil S. Kuwar, Sopan T. Ingle & Sanjay B. Attarde.	Synthesis of organic motif tailored hybrid nanoframes: Exploiting in-vitro bioactivity and heavy metal ion extraction applications	<i>Materials Chemistry and Physics, Elsevier,</i> 188, 8-17 (2017)	2.10
39	Dhananjay Bhaskar Sarode, Sanjay Baliram Attarde, Sopan Tukaram Ingle, Varsha Srivastava & Mika ET Sillanpää	Separation and removal of Cu ²⁺ , Fe ²⁺ , and Fe ³⁺ from environmental waste samples by N-Benzoyl-N- Phenyl Hydroxylamine	<i>Environmental Technology, Taylor & Francis,</i> 36, (4), 521-528 (2015)	1.75
40	Dhananjay B Sarode, Sanjay B Attarde, Varsha Srivastava & Mika ET Sillanpaa	Liquid phase extraction of Cd ²⁺ , Ni ²⁺ , Pb ²⁺ and Zn ²⁺ by N-Benzoyl-N-Phenyl Hydroxylamine (BPA) from environmental waste samples	<i>Current Analytical Chemistry, Bentham Science Publ. Ltd.,</i> 11, 36-43 (2015)	1.31
41	Ganesh Jethave,	Facile Synthesis of Lead	<i>Journal of</i>	4.20

	Umesh Fegade, Sanjay Attarde & Sopan Ingle	doped Zinc Aluminium oxide nanoparticles (LD-ZAO-NPs) for efficient adsorption of anionic dye: Kinetic, isotherm and thermodynamic behaviors	<i>Industrial & Engineering Chemistry, Elsevier</i> , 53, 294-306 (2017)	
42	Milind Kondalkar, Umesh Fegade Sanjay Attarde & Sopan Ingle	Experimental investigation on phosphate adsorption mechanism and desorption properties of Mn-Zn-Ti oxide trimetal alloy nanocomposite	<i>Journal of Dispersion Science & Technology, Taylor & Francis</i> , Vol. 39, Issue 11 1635-1643 (2018)	1.59
43	Milind Kondalkar, Umesh Fegade Sanjay Attarde & Sopan Ingle	Phosphate removal, mechanism, and adsorption properties of Fe-Mn-Zn oxide trimetal alloy nanocomposite fabricated via co-precipitation method	<i>Separation Science & Technology, Taylor & Francis</i> , Vol. 54, Issue 16 2682-2694 (2019)	1.20
44	Ganesh Jethave, Umesh Fegade, Sanjay Attarde , Sopan Ingle, Mehrorang Ghaedi & Mohammad Mehdi Sabzehmeidani,	Exploration of the Adsorption Capability by Doping Pb@ZnFe ₂ O ₄ Nanocomposites (NCs) for Decontamination of Dye from Textile Wastewater	<i>Heliyon (Elsevier)</i> , Vol. 5, Issue 9, 1-11 (2019)	1.65
45	Ganesh Jethave, Umesh Fegade, Sanjay Attarde & Sopan Ingle	Decontamination Study of Organic Pollutants from Wastewater for Sustainable Clean Environment	<i>J. of Water and Environmental Nanotechnology, Iranian Environmental Mutagen Society</i> , 4 (4). 263-274 (2019)	--
46	Milind Kondalkar, Umesh Fegade, Sopan Ingle & Sanjay Attarde	Removal of chromium using multifunctional Al-Fe-Zn oxide trimetal nanocomposite: Experimental exploration of adsorption properties and reuse efficiency	Environmental progress and sustainable energy (Wiley), Under review	1.30

II. National

Sr. No.	Authors	Title	Journal	Impact Factor
1	N.S. Pawar, S.B. Attarde , D.S. Dalal, G.R. Sonar, U.R. Kapadi, D.G. Hundiwale & P.P. Kumbhar	Synthesis of N-alkyl and N-acyl pthalimides using polymer supported pthalimide anion	<i>J. of Indian Council of Chemists</i> , 18, (2) 29-31 (2001)	--
2	B.G. Pachpande, S.T. Ingle, A.D. Dhande, R.B. Dhake & S.B. Attarde	Impact of railway transportation on ambient noise environment	<i>Indian J. of Environ. Prot.</i> , 617-622, (2002)	--
3	N.D.Wagh, B.G. Pachpande R.D. Kadhare, S.B. Attarde & S.T. Ingle	Carbon monoxide levels in the ambient air at major road sides in Jalgaon city	<i>Indian J Air Poll. Control</i> , Vol. III, 65-72 (2003)	--
4	A.D. Dhande, S.B. Attarde , N.D. Wagh, P. Rathod, R. Hiware & S.T. Ingle	Effect of solid waste dumping on ground water quality in Jalgaon urban area).	<i>Bull. of Env. sci.</i> , Vol. I, 7-12 (2004)	--
5	A.D. Dhande, N.D. Wagh, S.B. Attarde & S.T. Ingle	Eco-friendly approach of solid waste management for Jalgaon city	<i>J. Environ. Bio.</i> , 27 (2), 747-752 (2004)	0.48
6	A.D. Dhande, S.T. Ingle, S.B. Attarde & N.D. Wagh	Soil quality around the municipal dump area of Jalgaon city	<i>Bull. of Env. Sci.</i> , Vol. I,13-15 (2004).	--
7	S.B. Attarde & S.T. Ingle	Noise related health problems along two-wheeler automobile mechanics working in Jalgaon city	<i>Bull. Env. Sci.</i> , Vol. XXII, 99-103 (2005)	--
8	B.G. Pachpande, V.S. Patel, S.R. Kulkarni, S.B. Attarde & S.T. Ingle	Energy content of agro based industrial solid waste	<i>Industrial Pollution Problems & Solution</i> , <i>Daya Publ.</i> , N. Delhi, 254-258 (2006)	--
9	S.B. Attarde & S.T. Ingle	Noise-induced hearing loss in flour mill worker: A case study of Jalgaon city	<i>Indian J. of Environ. and Ecoplan.</i> , 12 (1), 89-96 (2006)	--
10	S.B. Attarde & S.T. Ingle	Hearing impairment and noise annoyance among auto rickshaw drivers working in Jalgaon city	<i>Poll. Res.</i> , Issue1, 139-142 (2007)	--

11	Kulkarni P.S., Attarde S.B. & Ingle S.T.	Seasonal variation in physico-chemical parameters and biotic characteristics of the Mehrun lake, Jalgaon city, Maharashtra	<i>Bull. Env. Sci.</i> , Vol. XXVII (Issue 2), 123-130, (2008)	--
12	C.S. Mahajan, S.D. Narkhede, V.A. Khatik, R.N. Jadhav & S.B. Attarde	Wastewater treatment at winery industry: A review	<i>Asian Journal of Environmental Science</i> , Vol. 4 (2), 258-265 (2009)	--
13	D.B. Sarode, R.N. Jadhav, S.D. Narkhede, S.T. Ingle & S.B. Attarde	Sequential extraction & spectrophotometric estimation of heavy metals from thermal power plant generated coal fly ash and its admixtures	<i>The Asian Journal of Experimental Chemistry</i> , Vol. 4 No.1 &2, 64-69 (2009)	--
14	C.S. Mahajan, R.N. Jadhav, S.D. Narkhede, S.T. Ingle & S.B. Attarde	Assessment of winery wastewater and its impact on irrigated soil	<i>Journal of Environmental Research and Development</i> , Vol. 4 (2), 365-371 (2009)	--
15	R.N. Jadhav, Y.D. Jadhav, K.S. Desale, S.T. Ingle & S.B. Attarde	Effect of distillery spent wash on germination rate of plant species-Wheat (<i>Triticum aestivum</i>), Gram (<i>Cicer arietinum</i>), and Fenugreek (<i>Trigonella foenum-graceum</i>)	<i>Asian Journal of Environmental Science</i> , Vol. 4 (2), 133-135 (2009)	--
16	S.D. Narkhede, V.D. Pawar, N.J. Patil & S.B. Attarde	Effectiveness of sewage sludge in composting process of municipal solid waste	<i>Current World Environment</i> , Vol. 4 (1), 171-174 (2009)	--
17	Jadhav R.N., Khatik V.A., Patil B.P., Attarde S.B. & Ingle S.T.	Status and trends in ambient air quality and impacts of air pollution on an urban environment in Jalgaon (M.S.) India	<i>Journal of Advances in Sciences and Technology</i> , Vol.13, (01), 102-108 (2010)	--
18	V.A. Khatik, D.B Sarode, R.N. Jadhav, S.D. Narkhede & S.B. Attarde	Effect of industrial sludge on the growth performance of <i>Gossypum arboreum</i> and <i>Calendula officinalis</i>	<i>Asian Journal of Soil Science</i> , Vol. 5 (2), 253-256 (2010)	--
19	R.N. Jadhav, S.D. Narkhede, C.S. Mahajan, V.A. Khatik & S.B. Attarde	Treatment and Disposal of Distillery Spent Wash-A Review	<i>Asian Journal of Environmental Science</i> , Vol. 5 (1), 75-82 (2010)	--

20	S.D. Narkhede, R.N. Jadhav, V.A. Khatik, S.T. Ingle & S.B. Attarde	Management of biodegradable waste by composting	<i>International Journal of Agricultural Science</i> , Vol. 6 (1), 343-349 (2010)	--
21	Harshika A. Kaul, Sopan T. Ingle & Sanjay B. Attarde	Spatial analysis of soil alkalinity and structural stability in the irrigation command areas of Jalgaon, Maharashtra (India),	<i>Journal of Environmental Research and Development</i> , Vol. 4, 970-982 (2010)	--
22	S.S. Deshmukh, V.S. Chaudhari, S.D. Narkhede, R.N. Jadhav & S.B. Attarde	Effect of three different composts on the growth rate of wheat (<i>Triticum aestivum</i>)	<i>International J. of Plant Sciences</i> , Vol. 6 (1), 22- 26 (2011)	--
23	G.A. Patil, A. Suryawanshi, V.A. Khatik, D.B. Sarode & S.B. Attarde	Phytoremediation of heavy metals contaminated soil using agricultural plant species.	<i>Indian J. of Environmental Sciences</i> , 15 (1), 49-52 (2011)	--
24	L.T. Ingle, K.J. Dube, D.B. Sarode, S.B. Attarde & S.T. Ingle	Monitoring of polycyclic aromatic hydrocarbons in a rural area of Jalgaon district, India	<i>International J. of chemistry and applications</i> , Vol. 3, No. 2, 115-122 (2011)	--
25	S.D. Narkhede, S.B. Attarde , R.P. Patil & S.T. Ingle	Effect of sewage sludge application on the growth and seed germination of wheat crop (<i>Triticum aestivum</i>)	<i>Int. J. of Agricultural Engg.</i> , Vol. 5, Issue 2, 182-185 (2012)	--
26	Kanchan Nemade & Sanjay Attarde	Development and validation of UV spectroscopic method for simultaneous estimation of nitrate and nitrite in water, soil, drug and vegetable samples	<i>International Journal of Advanced Chemistry</i> , 2 (2), 74-79 (2014)	--
27	Kanchan Nemade, Umesh Fegade & Sanjay Attarde	Spectrophotometric method for estimation of nitrate and nitrite in environmental samples based on diazotization reaction with a pharmaceutical compound- Mosapride	<i>Journal of Applicable Chemistry</i> , 3 (1), 129-138 (2014)	--
28	Kanchan Nemade, Umesh Fegade, Sopan Ingle & Sanjay Attarde	High performance liquid chromatographic method for determination of nitrite and nitrate in vegetable and water samples	<i>International Journal of Advanced Scientific and Technical Research</i> , 3 (4), 238-250 (2014)	--

29	U. Fegade, S. Attarde & S. Ingle	Application of Noncyclic 2,2'-[ethane-1,2-diylbis(iminomethanediyl)]diphenol for heavy metal extraction (Mn^{2+} , Fe^{3+} and Co^{2+})	<i>Journal of Applicable Chemistry</i> , 3, 170-179 (2014)	--
30	Kanchan Nemade, Umesh Fegade, Sanjay Attarde & Sopan Ingle	Determination of nitrite and nitrate in water and leafy vegetable samples using ion chromatography With conductivity detection	<i>Chemical Science Review and Letters</i> , 4 (14), 703-710 (2015)	--
31	Bhoyar Megha V, Chatterjee Kaustav M & Attarde S.B.	Performance evaluation of activated sludge process in treating sewage	<i>International Journal of Applied and Natural Sciences (IJANS)</i> , IASET publishers, 3 (4), 145-152 (2014)	--
32	Dholam Sujit S., Attarde S.B. , Wagh N.D. & Ingle S.T.	Denitrification of wastewater using sludge and methanol as a carbon source	<i>Universal Journal of Environmental Research and Technology</i> , Euresian Publ., 4, (3), 172-177 (2014)	--
33	Kundan Tayade, Sopan Ingle & Sanjay Attarde	Design, synthesis and characterization of novel macrocycle/ nanocrystal mesoporous hybrids	<i>International Journal of Advanced Scientific and Technical Research</i> , RS Publication, 1, (6) 533-557 (2016)	--
34	Kundan Tayade, Sopan Ingle & Sanjay Attarde	Macrocycle adsorbed hybrid nanoparticles for preconcentration and atomic absorption spectrophotometric estimation of zinc from acid leached rodenticide	<i>Journal of Applicable Chemistry</i> , 7 (2), 343-351 (2018)	--
35	Gayatri Y. Joshi, Nilesh K.Mahale, Sopan T. Ingle & Sanjay B. Attarde	Adsorption of Hexavalent Chromium from Wastewater on $Fe_3O_4@rGO$ Synthesized by Aloe Vera Plant Extract via Solvothermal Route	<i>Pollution Research</i> , Vol. 28 (Suppl. Issue), S125-137(2019)	--
36	Joshi Gayatri Y., Konale Ram A., Patil Sachin D., Attarde Sanjay B. & Ingle Sopan T.	Kinetic and Isotherm Studies of Lead Removal from Aqueous Solution using Graphene oxide-zeolite Nanocomposite	<i>Research Journal of Chemistry and Environment</i> , World Researchers Associations 24 (5). 91-100 (2020)	--

37	Sachin Patil, Milind Kondalkar, Umesh Fegade, Sanjay Attarde & Sopan Ingle	Extraction and Spectrophotometric Estimation of Fe ³⁺ , Cd ²⁺ , Pb ²⁺ and Zn ²⁺ from Industrial Effluents by using Synthetic Supramolecular Ligand,	<i>Nature Environment and Pollution Technology, Technoscience Publications, 19 (1), 269-275 (2020)</i>	--
38	Jethave G.N., Attarde S.B., Ingle S.T., Kolate S.S., Fegade U.A., Mahajan H.A. & Patil A.M.	Fe _{0.26} Mn _{0.26} O _{4.5} Binary oxide Nanoparticles as a Promising Adsorbents for Phosphate from Aqueous Medium	<i>Research Journal of Chemistry and Environment, World Researchers Associations, 25 (1), 79-88 (2021)</i>	--

Research Projects Completed:

Sr. No.	Title of the Project	Funding Agency	Period	Grant (Rs. Lakhs)	PI/ Co-PI
1	Environment Friendly Synthesis and Pesticidal Efficacy of Pesticidal Agents	UGC, New Delhi	01 Year	0.12	PI
2	Impact of Highway Traffic Pollution on Human Health	UGC, New Delhi	03 Years	7.18	Co-PI
3	Effect of Indoor Air Pollution on Tribal and Rural Community of Jalgaon District	UGC, New Delhi	03 years	5.35	Co-PI
4	Combined Aerobic Composting & Vermicomposting of Municipal Solid Waste with Sewage Sludge and its Applications in Organic Farming	UGC, New Delhi	03 years	9.40	PI

Consultancy Projects Participated as a Team Member:

Sr. No.	Programme Type	Funding Agency	Beneficiary/ Activity	Amount (Rs. Lakhs)	Year
1	Total Sanitary Campaign Program: Evaluation of Proposal for Nirmal Gram Puraskar for Dhule District	Govt. of India & UNICEF	76 villages	1.15	2006

2	Total Sanitary Campaign Program: Evaluation of Proposal for Nirmal Gram Puraskar for Dhule District	Govt. of India & UNICEF	123 villages	2.46	2007
3	Total Sanitary Campaign Program: Evaluation of Proposal for Nirmal Gram Puraskar for Dhule District	Govt. of India & UNICEF	96 villages	1.92	2007
4	Workshop on TSC for Master Trainers	Govt. Maharashtra	Anganwadi Sevika/ Gramsevak	0.69	2007
5	Workshop on TSC for Master Trainers	Govt. Maharashtra	Extension officer/ Gramsevak	0.40	2007
6	Water Quality Workshops for Jalgaon Districts	Govt. Maharashtra	Gransevak/ Anganwadi Sevika	8.25	2008-2009
7	Total Sanitary Campaign Program: Evaluation of Proposal for Nirmal Gram Puraskar for Jalgaon District	Govt. of India & UNICEF	50 villages	1.00	2008-2009
8	Total Sanitary Campaign (Preparation and Evaluation of Villages for Nirmal Gram Puraskar)	Department of Water Supply and Sanitation, Govt. of Maharashtra	51 villages	4.10	2009-2013
9	EIA and Social Env. Studies of the Akkalpada Project of Dhule	Irrigation Department, Dhule	Environmental & Social Impact Assessment	1.47	2011-2012
10	Analytical Testing and Field Survey	Local Industries/ Organization	Sample Analysis & Survey	2.06	2009-2013
11	Social Impact Assessment Studies of Lower Tapi Irrigation Project	Irrigation Department, Jalgaon	Social Impact Assessment	17.45	2013-2014
12	Environmental Impact Assessment studies of Manglur Project of Raver	Irrigation Department, Jalgaon	Environmental Impact Assessment	8.00	2014
13	Environmental Audit of Garware Polyester Ltd.	Garware Polyester Ltd., Waluj, Aurangabad	Environmental Audit	1.00	2016
14	Green Audit of Affiliated Colleges	Affiliated Colleges	Green Audit	0.25	2017

15	Environmental Audit	Ajanta Pharma Ltd., Aurangabad	Environmental Audit	2.30	2018
16	Green Audit of Affiliated Colleges	Affiliated Colleges	Green Audit	0.30	2019
17	Analytical Testing and Field Survey	Local Industries/ Organization	Sample Analysis & Survey	0.39	2014-2020

Participation in International Conferences/ Seminars/ Workshops:

Sr. No.	Title of Conference/ Seminar	Organized by	Title of the Paper/ Poster presented
1	VI th Global Conference on ' <i>Environmental Education</i> '	Indian Environmental Society (IES), New Delhi 06-10 Nov. 2001	Participated
2	International Workshop on- ' <i>Digital Governance and Hotspot Geo-informatics for Monitoring, Etiology, Early Warning and Sustainable Management</i> '	National Science Foundation, USA & M.J. College, Jalgaon 11-22 Dec. 2006	Participated
3	International Conference on- ' <i>Climate Change & Sustainable Management of Natural Resources</i> '	ITM Universe, Gwalior (M.P.) 10-12 Nov. 2009	Evaluation of ambient air pollution...
4	2 nd Bharatiya Vigyan Sammelana on, ' <i>Green Technologies for Sustainable Development</i> '	Devi Ahilya Vishwavidyalaya, Indore (M.P.) 01-03 Dec. 2009	Participated
5	International Conference on ' <i>Global Challenges-The Role of Chemistry in Giving Their Solutions</i> ' held at Bangkok (Thailand)	Indian Council of Chemists 12-15 Jun. 2011	Optimization of Extraction...
6	International conference on ' <i>Sustainable Water Resource Development & Management</i> '	Dept. of Environmental Science, Shivaji University, Kolhapur 20-21 Dec.2012	Participated
7	International conference on ' <i>Global Opportunities for Latest Developments in Chemistry and Technology (GOLD-CT-2014)</i> '	School of Chemical Sciences, KBCNMU, Jalgaon 06-08 Feb. 2014	Selective chromogenic and fluorescent Sensors...
8	<i>International Conference titled, '3rd Global Sustainable Biotech Congress 2014'</i>	Global Biotech Forum, Nagpur & KBCNMU, Jalgaon 01-05 Dec. 2014	Simultaneous extraction of toxic...
9	International Symposium titled ' <i>Frontiers of Advances in Chemistry and Technology (FACT-2015)</i> '	School of Chemical Sciences, KBCNMU, Jalgaon 11-12 Dec. 2015	Amide based dipodal Zn ²⁺ complex...

10	International Conference titled '7 th International Science Congress' held at Phuentsholing (Bhutan)	International Science Community Association 8-9 Dec. 2017	Lead doped iron oxide nanoparticles...
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Participation in National/ University level Conferences/ Seminars:

Sr. No.	Title of Conference/ Seminar	Organized by	Title of the Paper/ Poster/ Talk
1	C.V. Raman Memorial Seminar -2004	North Maharashtra University, Jalgaon 28 th Feb. 2004	Monitoring of highway traffic noise...
2	C.V. Raman Memorial Seminar -2006	North Maharashtra University, Jalgaon 28 th Feb. 2006	Impact of noise pollution...
3	National Science Day Celebration-2008	School of Environmental & Earth Sciences, NMU, Jalgaon 07 th Mar. 2008	Water harvesting...
4	University Level Research Festival 'Avishkar-2012'	North Maharashtra University, Jalgaon, 13-14 Dec. 2012	Synthesis of high-performance materials...
5	National Conference on, 'Recent Advances in Chemical Sciences, Technology & Environment (RACSTE- 2015)'	University Institute of Chemical Technology, NMU, Jalgaon 09 th Mar. 2015	Extraction of toxic...
6	National Conference on 'Innovations in Chemistry-Laboratory to Society, (ICLS-2018)'	School of Chemical Sciences, NMU, Jalgaon 5-6 Mar. 2018	Water remediation through adsorption...
7	National Conference on 'Laboratory and Industrial Safety and Health, (LISH-2019)'	School of Chemical Sciences, KBCNMU, Jalgaon 13 th Mar. 2019	Industrial safety and hygiene...

Book Chapters Authored:

Sr. No.	Title	No. of Co-authors	Type of Book	Publisher	Year of Publication
1	Chemistry 356 (B): Semester I Environment Chemistry	03	Text Book	Vrinda Publications, Jalgaon	2014

Membership of Scientific Associations:

1. Life member of Indian Council of Chemists, Agra.
2. Life member of International Congress of Chemistry & Environment, Indore.

Invited Talks/ Keynote Addresses Delivered: 21

Conferences/ Workshops/ Programs Attended: 42

Organizing Committee Member for Programs: 28

Awards Received: 01

Administrative Work Experience:

1. Head of the Department of Geography of the School.
2. Examination Coordinator for the School Examinations.
3. Coordinator of School Alumni Meet.
4. Member of Alumni Association Body of the University.
5. Member of Key Resource Centre of the School.
6. In charge of Consultancy Cell & Instrumentation Laboratory of the School.
7. Member of Ad-hoc Board in Environmental Sciences of the University.
8. Member of Admission, Academic & Examination Committees of the School.

Other Activities Done/ Going On:

1. Evaluation of Villages for Nirmal Gram Purskar.
2. Environmental Audit of Industries and Affiliated colleges.
3. Delivered Lectures & Talks in Refresher Courses, Conferences and Seminars.
4. Counsellor in Environmental Studies for IGNOU study centre at the University.
5. Referee for Ph.D. thesis evaluation for other Universities.
6. Reviewer for Research Journals in the field of Environmental Analytical Chemistry.

Contribution to University/ School/ Department:

1. Member of Panel of Examiners in Environmental Sciences.
2. Member of Organizing Committee for University Level Research Festival 'Avishkar'.
3. Member of Organizing Committee for Conferences, Workshops, Seminars, and other events organized by the School.
4. Contribution in Examination Work at various levels.
5. Escorted the Students for Industrial Tours and Field Visits.
6. Provided Analytical Support by testing the Environmental Samples.
7. Provided Training to Villagers about testing of Water Quality.