


<p>Prof. Sopan Tukaram Ingle Professor and Director, School of Environmental and Earth Sciences, North Maharashtra University, Jalgaon – 425001 (INDIA) E-mail : stingle@nmu.ac.in, sopan.ingle@gmail.com Telephone No. with ext.: (O): 91-257-2257428 (R):0257-2255293, (M):09421566793 Fax Number : 91-257-2258403/406</p>	
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

❖ **Education Qualification.** :

Sr. No.	Degree	UG /PG/ Research	Subject	Name of University	Year of Passing	Class/ Grade
1.	B.Sc.	UG	Chemistry, Biochemistry and Botany	Marathwada University Aurangabad	1985	II
2.	M.Sc.	PG	Environmental Sciences	Marathwada University Aurangabad	1987	I
3.	Ph.D.	Research	Environmental Biology (Zoology)	University of Bombay (Institute of Science)	1992	-
4.	DIS	-	Industrial Environment, Safety and Health	NILEM Chennai,	1998	I

- ❖ **Teaching Experience** : 21 years
- ❖ **Area of Research/Expertise** : EIA, Industrial Health and Safety, Environmental monitoring,
- ❖ **Awards/Fellowships/prizes** : Subscription grant awards 2003, ATREE Bangalore.
- ❖ **Number of Ph.D. Students Completed (with name).**

Sr. No.	Name	Theses Title
1.	Mr. D. N. Shinde (2002 -03)	Effect of Pesticides on Fresh water Spongila.
2.	Mr. B. G. Pachpande (2004 – 05)	Recovery of chromium and other toxic substance from industrial effluents.
3.	Mr. R. B. Dhake (2004 – 05)	Impact assessment of human activities on water quality of Tapi river at Bhusawal.
4.	Ms. A.D. Dhande (2005 – 06)	Eco-friendly management of urban solid waste in Jalgaon city.
5.	Mr. S. B. Attarde (2005 – 06)	Impact of noise pollution on human health.
6.	Mr. N. D. Wagh (2006 – 07)	Assessment of human activity impact on air quality in Jalgaon city

7.	Mr. V. S. Patel (2008 – 09)	Effect of indoor environment on the health of Pulse processing workers.
8.	Mr. Lalit T Ingle (2011 – 12)	Monitoring of indoor air pollution and health assessment in rural population of Jalgaon district
9.	Mrs. Harshita Kaul (2012-13)	Status and phytoremediation of waterlogged and saline soils of Jalgaon district.

❖ **Number of Ph.D. students on going (with name).**

Sr. No.	Name	Theses Title
1.	Mr. Kailas Khairnar	Environmental impact evaluation of railway transportation on Jalgaon region
2.	Ms. Poonam Shukla	Biotechnological applications for biogas production from kitchen and industrial waste
3.	Mr. Kamallesh Dube	A study on occupational environment and health impacts on cotton ginning workers.
4.	Mr. Nilesh Mahale	Development of Integrated System for Decentralized Power Production by Hydrogen Powered Generators.

❖ **Number of Books Written : 02**

❖ **Number of research papers published** (in conferences, Journals with vol, year, page number and Impact factor), Citation Index (h), Number of Citation till date.

A. **International**

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”, *Transportation Research Part-D*, 10, pp. 69-75, (2005). Impact Factor: 1.801, Citation Index (h):37, Number of Citations till date: 15.

S. T. Ingle, N. D. Wagh, B. G. Pachpande, V. S. Patel and S. B. Attarde; ‘The influence of workplace environment on lung of shopkeepers working near National Highway in Jalgaon: A note’. *Transportation Research Part- D*, 10, pp. 476-482, (2005). Impact Factor: 1.801, Citation Index (h):37, Number of Citations till date: 04.

S. T. Ingle, B. G. Pachpande, N. D. Wagh, V. S. Patel and S. B. Attarde; ‘Exposure to vehicular pollution and respiratory impairment in traffic policemen of Jalgaon city, India’. *Industrial Health* 43, pp. 656-662, (2005). Impact Factor: 0.870, Citation Index (h):33, Number of Citations till date: 27.

N. D. Wagh, B. G. Pachpande, S. B. Attarde, V. S. Patel and **S. T. Ingle**; ‘Effects of workplace environment of Lung function of flourmill workers’, *Journal of Occupational Health*, 48, pp. 396-401, (2006). Impact Factor: 1.640, Citation Index (h):32, Number of Citations till date: 10

V. S. Patel and **S. T. Ingle**; ‘Occupational Noise Exposure and Hearing Loss among Pulse Processing Workers’, *The Environmentalist*, 28, pp. 358-365 (2008). Impact Factor: -, Citation Index (h):18, Number of Citations till date: -

S. T. Ingle, B. G. Pachpande, N. D. Wagh, V. S. Patel and 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'. *Int. J. of Sustainable Transportation*; 3, pp.54-69, (2009). Impact Factor: -0.944, Citation Index (h):06, Number of Citations till date: 01.

S. D. Narkhede, S. B. Attarde and **S. T. Ingle**, 'Combined Aerobic Composting of Municipal Solid Waste and Sewage Sludge' *Global Journal of Environmental Research* 4 (2): pp. 109-112, (2010). Impact Factor: -Still computing, Citation Index (h):-, Number of Citations till date:

D. B. Sarode, R. N. Jadhav, V. A. Khatik, **S. T. Ingle** and S. B. Attarde 'Extraction and Leaching of Heavy Metals from Thermal Power Plant Fly Ash and Its Admixtures' *Polish J. of Environ. Stud.* Vol. 19 No. 6, 1325-1330 (2010). Impact Factor: -Still 0.808, Citation Index (h):23, Number of Citations till date:

S. D. Narkhede, S. B. Attarde and **S. T. Ingle** 'Study on Effect of Chemical Fertilizer and Vermicompost on Growth of Chilli Pepper Plant (*Capsicum annum*). *Journal of Applied Sciences in Environmental Sanitation*, Vol.6 No.3 pp. 327-332, September, (2011). Impact Factor: Still Computing, Citation Index (h): -, Number of Citations till date: -.

K. J. Dube, L. T. Ingale, **S. T. Ingle** 'Hearing impairment among workers exposed to excessive levels of noise in ginning industries' *Noise and Health*, September, Vol. 13 No.54, pp. 348-55, (2011).Impact Factor: 1.25, Citation Index (h): 22, Number of Citations till date: -.

V. A. Khatik, R. N. Jadhav, D. B. Sarode, **S. T. Ingle** and S. B. Attarde 'Assessment of Residual Soil Nitrate of Intensively Fertilized Banana Farms of Jalgaon Region', *Malaysian J. of Soil Science* Vol. 15, pp. 87-99, (2011). Impact Factor: 1.25, Citation Index (h): 02, Number of Citations till date: -.

L.T. Ingle, K.J. Dube, D.B. Sarode, S.B. Attarde and **S.T.Ingle** 'Monitoring and Respiratory Health Assessment of the Population Exposed to Cooking Fuel Emission in a Rural Area of Jalgaon District, India'. *Asia-Pacific Journal of Public Health*. XX(X) pp. 1-13, (2011). Impact Factor: 1.25, Citation Index (h): 14, Number of Citations till date: -.

L.T. Ingle, K.J. Dube, D.B. Sarode, S.B. Attarde and **S.T. Ingle** 'Monitoring of Polycyclic Aromatic Hydrocarbons in a Rural Area of Jalgaon District, India', *International Journal of Chemistry and Applications*. Vol.3 (2), pp.115-122, (2011). Impact Factor: - Citation Index (h): - Number of Citations till date: -

H.A. Kaul and **S.T. Ingle** 'Land Use Land Cover Classification and Change Detection Using High Resolution Temporal Satellite Data' *Journal of Environment* Vol. 01, Issue 04, pp. 146-152, (2012). Impact Factor: - Citation Index (h):- Number of Citations till date: -

H.A. Kaul and **S.T.Ingle** 'Severity Classification of Waterlogged areas in Irrigation Projects of Jalgaon District, Maharashtra'. *Journal of Applied Technology in Environmental Sanitation*. Vol.1, No.3, pp. 221-232, (2011). Impact Factor: 0.740, Citation Index (h):03, Number of Citations till date: -.

D.B. Sarode, **S.T. Ingle** and S.B. Attarde 'Formula establishment of colourless Pb(II) complex with n-benzoyl-n-phenyl hydroxylamine (BPA) using atomic absorption spectroscopy' *Indonesian Journal of Chemistry*, 12 (1) pp. 12-19, (2012). Impact Factor: - Citation Index (h):- Number of Citations till date: -.

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' *Journal of Environmental Research and Development*, Vol.4, Issue.2, (2009).

Attarde S.B., Narkhede S.D., Patil R.P. and **Ingle S.T.**, Effect of organic and inorganic fertilizers on the growth and nutrient content of *Abelmoschus esculentus* (Okra Crop), *Int. J. of Current Research*, Vol. 4, Issue 10, 137-140, (2012).

K.J. Dube and **S.T. Ingle**, 'Respiratory Impairment in Cotton Ginning Workers Exposed to Occupational Dust' *Journal of occupational safety and ergonomics*. 2012 (In Press).

b. **National**

S. T. Ingle, S. A. Suryawanshi, B. G. Kulkarni and V. Somnath; Toxicity of tannic acid on enzymes in fresh water bivalve *Lamelidens corrianus*, *J. Ecotoxicol. Environ. Monit.*, 2(3), 185-189 (1992)

S. T. Ingle, V. Somnath, S. A. Suryawanshi, and B. G. Kulkarni; Impact of industrialisation on heavy metal concentration of Patalganga river, Maharashtra, *Environment & Ecology*, 11(4), 747-752 (1993).

S. T. Ingle, S. A. Suryawanshi, and B. G. Kulkarni; Effect of iron and manganese on enzymes in bivalve *Lamelidens corrianus*, *Ind. J. Comp. Physiol.*, 12(1), 17-20 (1994).

S. T. Ingle, S. Vishwaranjan, S. A. Suryawanshi, and B. G. Kulkarni; Bioaccumulation of iron and manganese in the bivalve *Lamelidens corrianus* with reference to Patalganga river Pollution, *Environment & Ecology*, 15(1), 31-34 (1997).

S. T. Ingle, S. Vishwaranjan, S. A. Suryawanshi, and B. G. Kulkarni; Bioaccumulation of metals in the bivalve *Lamelidens corrianus* transplanted at polluted regions of Patalganga river, *Environment & Ecology*, 17(1), 230-232, (1999).

S. T. Ingle and D. S. Mali; Solid Waste Management System for Kolhapur City, *Poll. Res.*, 19 (2) 185-189 (2000).

S. T. Ingle; Effective Techniques of Public Participation in Environmental Impact Assessment, *J. Environment & Ecoplanning*, 3(2), 227-233 (2000).

S. T. Ingle; Pollution Potential of Pulp and Paper Mill Effluent. *Bull. Envi. Sci*, Vol.XVIII, 21-24(2000).

S. T. Ingle; Wastewater Management in Sugar Industry *Bull. Envi. Sci*, Vol.XVIII, 25-29 (2000).

S. T. Ingle and B. G. Pachpande; Noise- An insidious hazard during festivals, *Environ. & Ecol.* 20(2): 464-469, (2002)

S. T. Ingle, B. G. Pachpande and D. S. Mali; Impact of ganpati festival on ambient noise level of Kolhapur City, Maharashtra, *Indian J. of Environ. Prot.*, 308-314. April (2002)

B. G. Pachpande, **S. T. Ingle**, A. D. Dhande, R. B. Dhake and S. B. Attarde; Impact of railway transportation on ambient noise environment, *Indian J. of Environ. Prot.*, 617-622. June (2002)

S. T. Ingle, D. N. Shinde and B. G. Pachpande; Bioaccumulation of pesticides in freshwater spongilla. *Asian Jr. Microbiol. Biotech. And Env. Sc.* 4 (3): 345-347. (2002)

S. T. Ingle, D. N. Shinde and S. B. Namdas; Effects of rogar and endosulfan on the metabolism of fresh water sponge (*Spongilla lacustris*), *J. Environ. Biol.*, 24 (1), 63-67 (2003).

B. G. Pachpande and **S. T. Ingle**; Chromium: occurrence, production, utilisation, pollution and health effects – A review, *Chemical Weekly*, 181-188. August 26, (2003)

N. D. Wagh, B. G. Pachpande, R. D. Kadhare, S. B. Attarde and **S. T. Ingle**; Carbon Monoxide Levels in the Ambient Air at Major Road Sides in Jalgaon City, *Indian J Air Poll. Control*, September (2003)

B. G. Pachpande and **S. T. Ingle**; Recovery of chromium by chemical precipitation from tannery effluent, *Oriental J. Chemistry*, 20(1) 117-122, (2004)

A. D. Dhande, S. B. Attarde, N. D. Wagh, P. Rathod, R. Hiware and **S. T. Ingle**; Effect of solid waste dumping on ground water quality in Jalgaon urban area. *Bull. of Env. Sci.* Vol –I 7-12, (2004)

A. D. Dhande, **S. T. Ingle**, S. B. Attarde, N. D. Wagh; Soil quality around the municipal dump area of Jalgaon city, *Bull. of Env. Sci.* Vol –I 13-15. (2004)

B. G. Pachpande and **S. T. Ingle**; Pollution Profile and Characterization of Small Scale Leather Tanning Industry, *J. Curr. Sci.*, 5(1) (2004)

A. D. Dhande, N. D. Wagh, S. B. Attarde and **S. T. Ingle**; Eco-friendly approach of solid waste management for Jalgaon city, *J. Environ. Bio.*, 27(2), (2004)

R. B. Dhake and **S. T. Ingle**; Assessment of water quality of Tapi river at Bhusawal, *Oriental J. of Chemistry*, 20 (2), 341-345. (2004)

S. T. Ingle and R. B. Dhake; Occurrence of heavy metals in Tapi river water and sediment at Bhusawal region of Maharashtra. *J. Curr. Sci.* 5 (2), 705-708 (2004)

S. B. Attarde and **S. T. Ingle**; Noise related health problems along two wheeler automobile mechanics working in Jalgaon city. *Bull. Env. Sci.* XXII, 99-103. (2005)

B. G. Pachpande, V. S. Patel, S. R. Kulkarni, S. B. Attarde and **S. T. Ingle**; Energy content of Agrobased Industrial Solid Waste, *Industrial Pollution Solution & Problems* Ed. Arvind Kumar, Daya Publ. House. New Delhi, 254-258. (2006)

N. D. Wagh, P. V. Shukla, S. B. Tambe and **S. T. Ingle**; Biological monitoring of roadside plants exposed to vehicular pollution in Jalgaon city, *J. Environ. Bio.* 27(2), 419-421. (2006)

S. B. Attarde and **S. T. Ingle**; Noise-induced hearing loss in flour mill worker: A case study of Jalgaon city, *Indian J. of Environ. and Ecoplan.* 12(1) (2006)

S. B. Attarde and **S. T. Ingle**; Hearing impairment and noise annoyance among auto rickshaw drivers working in Jalgaon city, *Poll. Res.* 1 (2007)

Ingale L.T., **Ingle S.T.**, Dube K.J., Ladhe U.V. and Chaudhari T. E. 'Occupational dust and noise exposure and its health effects on stone crushing workers. *Bull. Env. Sci.* Vol. XXVIII, 255-264, 2009.

Ingale L.T., **Ingle S.T.**, Patil Bharti and Dube K. J. 'A comparative study on exposure to indoor air pollution among the urban, sub-urban and rural populations of Jalgaon District' *Environmental Sciences: An Indian Journal* 2009

K. F. Khairnar and **S.T. Ingle**, Railway Transportation Noise : A study on Monitoring & Health effects on Exposed population. *Journal of Current Sciences* 14 (1) : 363-372 (2009)

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 (*Triticum aestivum*), Gram (*Cicer arietinum*), and Fenugreek (*Trigonella foenum-graceum*)' *Asian Journal of Environmental Science*, (December, 2009 to May, 2010) Vol. 4 No.2 : 133-135

D. B. Sarode, R. N. Jadhav, S. D. Narkhede, **S. T. Ingle** and S. B. Attarde 'Sequential Extraction & Spectrophotometric Estimation of Heavy Metals from Thermal Power Plant Generated Coal Fly Ash & its Admixture' *Asian Journal of Experimental Chemistry*, Vol. 4 No. 1 & 2 (June & December, 2009) : 64-69

Harshika A. Kaul, **Sopan T. Ingle** and Sanjay B. Attarde, 'Spatial Analysis of Soil Alakalinity and Structural Stability in the Irrigation Command Areas of Jalgaon, Maharashtra, *Journal of Environmental Research and Development*, Vol.4 No.4 April-June 2010.

Bharati Patil, Lalit Ingale, **S. T. Ingle**, 'Evaluation of Trophic Status of Certain Lakes in Nagpur City' *Environmental Science an Indian Journal ESAIJ* 5(1),2010 [31-37]

C. S. Mahajan, R. N. Jadhav, S. D. Narkhede, **S.T. Ingle** and S. B. Attarde, 'Assessment of Winery Wastewater and Its Impact on Irrigated Soil' Journal of Environmental Research and Development Vol.4 No.2, October-December 2009

L. T. Ingale, K. J. Dube, D. B. Sarode, S. B. Attarde and S. T. Ingle, 'Monitoring of Polycyclic Aromatic Hydrocarbons in a Rural Area of Jalgaon District, India' International Journal of Chemistry and Applications, Vol.3, No.2 (2011), pp. 115-122.

K. F. Khairnar, **S. T. Ingle**, N. D. Wagh and L. T. Ingale, 'Monitoring of Railway Traffic Pollution and Health Effects on Exposed Population' Nature Environment and Pollution Technology Vol. 10, No. 3, pp. 377-384, 2011.

L.T. Ingale, **S. T. Ingle**, Bharti Patil, J. K. Dube, 'A comparative study on exposure to indoor air pollution among the urban, sub-urban and rural population of Jalgaon district'

S.V. Agarkar, S.K. Vyas, S.S. Bagade and **S.T.Ingle**, 'Extraction of Eco-friendly dye from industrial waste and its application in textile dyeing'. Journal of the Textile association. pp. 233-237, Nov.-Dec.(2012).

Neha Potle, Shanta Satyanarayan and **S.T. Ingle**, 'Lab scale studies on the efficiency of bacterial strain on the treatment of slaughterhouse wastewater'. Journal of Industrial Pollution Control. 29, (1) pp 99-102, (2013).

C. Seminar/Proceedings

S. A. Suryawanshi, **S. T. Ingle**, B. G. Kulkarni and V. Somnath; Physico-chemical characteristics of Patalganga River with reference to industrial pollution, *Proc., Symp. Environment Pollution & Resources of Land and Water*, 305-315 (1991)

S. T. Ingle; Environment and Development, *Proc., Agrovision of 21st Century*, 139-140 (1998)

S. T. Ingle and A. R. Kulkarni; Noise-A Potential Health Hazard in Mining Industries, *Proc., Natl. Sem. Bauxite Vision 2050*, 165-166, (1999)

S. T. Ingle; Utilisation of Municipal Solid Waste by Composting, *Proc. All India Conference on Environmental Pollution, Institution of engineers, Tirupati*, (1999)

S. T. Ingle; Ambient Noise Level in Ganapati Festival in Kolhapur city, *Proc. New Millennium Conf. on Retrospect of Indian Research on Environmental Pollution, Focus 21st Century by EMTRC*. (1999)

S. T. Ingle; Strategies for Environmental Management with Industrial Development. *Nat. Conf. on Envi. Moni. Bio-Diversity and Conservation*. 70 – 76 (December 2000)

S. Babu, R. N. Jadhav, D. B. Sarode, Vasim Khatic, S. N. Patil and **S. T. Ingle**; Assessment of Ground water quality in North Maharashtra University Area, Jalgaon. *Workshop on Ground Water Resource Mgt .in Maharashtra, Nagpur* (March 3-4, 2009).

Hrshita Kaul, **S.T. Ingle**, S.B. Attarde, Tushar Choudhari, Prioritization of Phytoameliorants for the Reclamation of Alkaline Soil. International Conference on Science, Technology and Innovation for Sustainable Well-Being (STISWB), 165-175 (July 2009).

❖ **Research project completed** (with name of funding agency, amount sanctioned and year of completion).

Name of Investigator (with PI, CO-PI)	Title of Project	Duration	Amount Sanctioned (Lakhs)	Funding Agency
Prof. S.T. Ingle	Impact of highway traffic on human health	2002-2005	7.15	UGC (Major)
Prof. S.T. Ingle	Effect of Indoor Air Pollution on Tribal and Rural Community of Jalgaon Districts.	2007	5.40	UGC (Major)
Prof. S.T. Ingle (co-PI) Dr. S.B. Attarde (PI)	Combined Aerobic Composting & Vermi-composting of Municipal Solid Waste with Sewage Sludge and its Applications in Organic Farming	2009-2012	9.40	UGC (Major)

❖ **Research project on going** (with name of funding agency, amount sanctioned and date of project sanctioned).

Name of Investigator (with PI, CO-PI)	Title of Project	Duration	Amount Sanctioned	Funding Agency
Prof. S.T. Ingle (co-ordinator)	Establishment of ambient air monitoring stations at Jalgaon urban Centre.	2009 - 2015	56.00	Maharashtra Pollution Control Board
Prof. S.T. Ingle (co-ordinator)	Air pollution monitoring, modeling and health effects in Khandesh area.	2009 -2014	37.00	UGC-SAP
Prof. S.T. Ingle (CO-PI). & Dr. S.N. Patil (PI)	Applications of Geochemical and GIS techniques in Impact Assessment of Municipal Waste on soil and water Quality of Jalgaon area (M.S.).	2012- 2015	10.45	UGC (Major)

❖ **Consultancy Projects.**

Consultancy Projects Completed (1994-99) at Chh. Shahu Research Institute, Kolhapur
(as a team member)

Sr. No.	Project	Industry	Amount Rs.
1.	Rapid Environmental Impact Assessment, Chandagad, Bauxite Deposit, Kolhapur	INDAL	1,50,000/-
2.	Environmental Impact Assessment, Idarganj Bauxite Deposit, Radhanagari, Kolhapur	INDAL	2,25,000/-
3.	Baseline Data Collection for Environmental Management Plan (EMP)	Sonshi Iron Ore Mine, Goa	70,000/-
4.	Base line Data Collection for EMP	Matta and Dando, Iron Ore Mine, Goa	70,000/-
Consultancy Projects Completed (2000 onwards) at School of Environmental and Earth Sciences, NMU, Jalgaon			
5.	Data collection for Environmental Status Report of Jalgaon city-2004-05	Shri Ashtavinayak Educational and Cultural Mandal, Jalgaon.	1,20,000/-
6.	Distribution of Nitrate and Fluoride in the drinking water sources of Jalgaon district-Jalswarajya-2003-04	ATR laboratory, Jalgaon.	100000/-
7.	Training Courses on Water Quality Management, (ZP Jalgaon) – 2008-09	Drinking water mission under Ministry of Water Resources, Govt. of India.	8,40,000/-
7.	Total Sanitary Campaign Program initiated by Govt. of India (Evaluation of Proposals for NIRMAL GRAM PURASKAR) Area Covered: - Dhule, Nandurbar & Nasik districts (2005-onwards)	Dept. of Water supply and Sanitation, Govt. of Maharashtra	12,000,00/-
8.	Environmental Status Report 2010-11	Jalgaon City Municipal Corporation. Govt. of Maharashtra	5,45000/-
9.	Environmental and Social impact assessment of Akkalpada Dam (Group Leader) 2010-11	Department of Irrigation Govt. of Maharashtra	1,50000/-

10.	Social Impact Assessment of Lower Tapi Irrigation Project (Group Leader) 2012-13	Department of Irrigation Govt. of Maharashtra	17,45000/-
-----	----------------------------------------------------------------------------------	-----------------------------------------------	------------

❖ **Scientific Collaborators** (with name of the collaborators and name of the institute/University, country).

- Indian Institute of Geomagnetism, Mumbai
- Department of Water supply and Sanitation Govt. of Maharashtra
- Ministry of Rural Development, Govt. of India, New Delhi
- Centre for Environment and Explosive Safety
- Ministry of Defense, Govt. of India, New Delhi.

❖ **Administrative Work experience.**

- Co-ordinator, IGNOU, N. M. U., Jalgaon. (May 2003)
- Rector, Boy's Hostel phase- Ist N. M. U., Jalgaon. May 2003.
- Director, School of Environmental & Earth Sciences. (September 2007)
- Member, Anti-ragging committee, N. M. U., Jalgaon
- Member, Committee constituted for disbursement of unassigned grant by Hon'ble Vice Chancellor (17 July 2003)
- Member, Committee constituted under 32(5)(A)(iv) for recommending the examiners/paper setters in Environmental Science.
- Organize Seminar / Workshop / Training programme for different target groups (School teachers, children and general public) under National Environmental Awareness Camping from 1997 to 2004.
- Nominated as a member on District Environment Committee, Jalgaon from 08/10/2012

❖ **Working experience with National bodies/National exposures.**

- Board of Studies in Environment Management, SIBER, Kolhapur
- Member of Research and Recognition Committee in Environmental Sciences, Dr. Babasaheb Aambedkar Marathwada University, Aurangabad.
- Member of Research and Recognition Committee in Environmental Sciences, Swami Ramanand Tirth Marathwada University, Nanded. From 5/10/2012
- External Examiner for Environmental Sciences and Environmental Biotechnology, S. R. T. Maratha Wada University, Nanded.

- Counsellor, Science & Technology, YCMOU, Nasik
- Member, Ad-hoc Board of Studies in Environmental Sciences, University of Pune (April 2009).
- Member, Ad-hoc Board of Studies in Environmental Sciences, Dr. B. A. Marathwada University, Aurangabad. (May 2009).
- Member of Internal Peer Team (2012-13) of Department of Environmental Sciences, Shivaji University, Kolhapur.
- Member of Syllabus Framing Committee for M.Sc. (Env. And Safety) at SIBER, Shivaji University, Kolhapur. 31st July 2012
- SRT Marathwada University, Nanded for suggestions and guidance for management of plantation (November 2000)
- Member, Committee constituted for inquiry of Ph. D. Degrees (2003)
- Member, Committee constituted under Maharashtra Adhinyam No. 33, 1999 for Prevention of raging, N. M. U., Jalgaon.
- Member, Committee constituted by Hon'ble Vice Chancellor for providing financial aid to the University & affiliated College Teachers for participation in International Conferences / Seminars / workshops. (21 June 2003)
- Director, School of Environmental & Earth Sciences. (September 2007)
- Member, Ad-hoc Board of Studies in Environmental Sciences, Dr. B. A. Marathwada University, Aurangabad.
- Participated in Conclave of Director, BCUD of all Universities of the Maharashtra along with, Deans and Chairman, Board of Studies of Science Faculty for declining common syllabi & workload, organize by the School of Earth Sciences, Swami Ramanand Teerth Marathwada University, Nanded. Conclave of Science Faculty – 2008 on 18th April 2008.

❖ **Working experience with international bodies/international exposures:**

Reviewer for International Journals:

1. Environmental Monitoring and Assessment
2. Archives of Environmental & Occupational Health
3. Environmental Biology.

❖ **Serving on Editorial Boards.**

- Indian Journal of Environmental and Eco Planning
- International Journal of Environmental Science

❖ **Any other activity done/going on.**

- Resource person for various scientific forums / All India Radio Refresher courses.
- 14 Talks on various aspects of Environmental Sciences, All India Radio, Kolhapur (1996)
- “Man and Environment”, D. Ed. College Kolhapur. (1996).
- “Environment and Development” , Specialized training course, Agro vision 2000, Agricultural college, Kolhapur (13th December, 2000)
- “Recent researches in Environmental Science”, Department of Education Shivaji University Kolhapur (Jan.1999).
- “Environmental Pollution”, Science Day celebration, Pratap college, Amalner (May 2000).
- “Environmental Challenges of New Millennium,” Refresher course in School of Chemical Sciences”, N. M. U., Jalgaon (4th December 2000).
- “Impact of human activities on Environment” ISTE Short term training programme, J. T. Mahajan Engg. College Faizpur (22nd Dec 2000).
- “Strategies for Environmental Management with Industrial Development” Nat. Conf. On Envi. Moni., Bio-Diversity and Conservation. Rashtriya College Chalisgaon (27th December 2000).
- “Chemistry and Environmental,” Refresher course in School of Chemical Sciences”, N. M. U., Jalgaon (5th March 2002).
- “Noise Pollution Management,” Refresher course in School of Chemical Sciences”, N. M. U., Jalgaon (5th March 2002).
- “Groundwater Pollution and Management” ISTE Short term training programme, J. T. Mahajan Engg. College, Faizpur (24th December 2001).
- “Environmental Impact Assessment, EIA,” J. T Mahajan Engg. College Faizpur (12nd September 2001).
- "Environmental Pollution with Special reference to Industrial Waste" G. G. Khadse Sci. College, Muktainagar, Dist. Jalgaon (3rd October 2001)
- "Environmental Impact Assessment" College of Engineering & Technology, Jalgaon (19th September 2001)
- "Recent Trends in Environmental Sciences, a seminar on Environmental Pollution Control and legal aspect with respect Environmental statement. Report on occasion of 'World Environment Day, 2002 organized by Bhusawal Thermal power station.
- "Paryawarn and Nisarg", National Service Scheme (P.G. Unit, 21st January 2002)
- "Small scale industries and environmental management" (National Service Scheme) special winter camp organized by Dr. Annasaheb G.D. Bendale Mahila Mahavidyalaya, Jalgaon (27 December 2002)
- Environmental Impact Assessment, J.T. Mahajan Engineering Collge, Faizpur, (12 October 2003)

- Impacts of Noise pollution on Human health, Refresher course in Life Sciences, N.M.U., Jalgaon. (November 2003.)
- Impacts of Noise pollution on Human health, Refresher course in Chemical Sciences, N. M. U., Jalgaon. (November 2003.)
- Industrial emissions and its impact on air quality, State level seminar on Effect of Different Chemical Reaction and Chemical Process on the Imbalance of the Environment organized by Deogiri Mahavidyalaya, Aurangabad (24th January 2004).
- Chairman, Technical session and key note address, Workshop on Water problems in North Maharashtra region organized by NGO's in Maharashtra. (21st December, 2003)
- Industrial waste water : Treatment and reuse, workshop on “Water Quality Analysis” organized by Rashtriya college, Chalisgaon 4th-6th September (2004)
- Man made environmental hazard: Noise Pollution, Department of Geography, Dr. Annasaheb G.D.Bendale Mahila Mahavidyalaya, Jalgaon. (24 August 2004)
- Invited as a resource person for brain storming special meeting of researchers, organized by M. J. College, Jalgaon. (22nd December 2004)
- Biodiversity and Environmental Pollution, Orientation course organized by Department of Adult and Distance Education. (30th March 2005)
- Resource Person, Workshop on Environmental Studies (UGC Compulsory Module Course for undergraduate students)
- Environmental Impact Assessment: A tool for sustainable Development, National Conference on Recent Trends in Environmental Science (RTES-2006) (6th February 2006)
- Chaired Session, Frontiers in Applied Animal Sciences, 23rd National Conference of Indian Society for Comparative Animal Physiology (16th-18th October 2006), organized by Department of Zoology, Shivaji University, Kolhapur
- Resource Person, National Seminar on “Importance of Marathi Terminology in Development of Environmental Science” (22nd October 2010) organized by Institute of Biosciences and Technology, Aurangabad.
- Resource Person, National Seminar on “GIS Applications in Environmental Sciences & Geography” (29th & 30th October 2010) organized by School of Earth Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
- Member on Advisory Board for National Conference “ITCE-2011” at J.T. Mahajan College of Engineering, Faizpur.
- Chief Guest to the Training Programme on “Roof Top Rain Water Harvesting / Artificial Recharge to Ground water” on 28th January 2011 organized by Central Ground Water Board at NMU, Jalgaon.
- Special Guest, of the National Conference on Innovative Techniques in Civil Engineering (ITCE-2011) on 8th and 9th February 2011 at JTMCOE Faizpur.
- Resource Person, National Seminar on Environmental Pollution and Remedies on 24-25th September 2011, Organized by Dept. Of Environmental Science, Deogiri College, Aurangabad.

- Resource Person, Short Term Course in Environmental Awareness Programme on 26 September to 1st October 2011, at Sant Gadge Baba Amravati University, Amravati.
- Member on Advisory Board for National Level Conference “Green and Clean Technology” at College of Engineering and Technology, Bambhori Jalgaon.
- Resource Person, Refresher Course in Environmental Science on 26th November at Sant Gadge Baba Amravati University, Amravati.
- Resource Person, Short Term Course in Environmental Conservation, at Sant Gadge Baba Amravati University, Amravati, on 31st August 2012.
- Resource Person, 17th Orientation Programm, at Sant Gadge Baba Amravati University, Amravati, on 3rd October 2012.
- Resource Person, Refresher Course in Environment for Sustainable Development at Sant Gadge Baba Amravati University, Amravati, on 4th October 2012.
- Resource Person, Refresher Course in Environmental Studies at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, on 26th August, 2013.

❖ **Contribution to university/School/Department**

a. Academic programs initiated

Sr. No.	Name of the Programme	Funding Agency	Amount Sanctioned in Rs	Duration
1.	Innovative Programme (M. Tech. Environment Science & Technology)	UGC New Delhi	50 Lakhs	2008 - 2013
2.	Career oriented certificate course in Industrial Safety and management	UGC New Delhi	10 Lakhs	2013-2018

b. Infrastructural Development Grants

Sr. No.	Name of the Programme	Funding Agency	Amount Sanctioned in Rs	Duration
1.	Engineering Graduate Facility	UGC New Delhi	05 Lakhs	2010 - 2013
2.	FIST	DST New Delhi	49 Lakhs	2012-2017
3.	Infrastructural Development Grant (SAP)	UGC New Delhi	40 Lakhs	2011-onwards

c. Conferences / Symposium/ Workshop organization

Sr. No.	Conference /Symposium / Workshop	Title	National / International	Place	Period
1	Symposium (Convener)	Regional Seminar on ‘Recent Trends in Environmental Sciences and Poster Presentation (Interdisciplinary Application) (RSPP-08)	National	SEES, NMU, Jalgaon	February 2, 2008

2	Conference (Convener)	Natural resource management for sustainable Development, (NRMSD 2010),	National	SEES, NMU, Jalgaon	1-2 February 2010.
3.	Conference (Convener)	Environmental Innovations for Resource Sustainability (EIRS-2011)	National	SEES, NMU, Jalgaon	21-22 January, 2011
4.	Conference (Convener)	Environmental Surveillance for Natural Resource Management (ESNRM- 2012)	National	SEES, NMU, Jalgaon	9-10 January, 2012
4.	Chairman	AVISHKAR 2012	University Level Research Festival	North Maharashtra University, Jalgaon	13-14 December 2012.
5.	Chairman	COEPH 2013	National Workshop	SEES, NMU, Jalgaon	12 – 14 March 2013