

Curriculum Vitae

Prof. Sopan Tukaram Ingle

Senior Professor and Head

School of Environmental and Earth Sciences

KBC North Maharashtra University, Jalgaon

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[A] Educational Qualifications

University/Board	Qualification/ degree	Class/Division/ Grade	Month & Year of passing
Nagpur	S.S.C.	I st Class	April 1980
Nagpur	H.S.C.	II nd Class	April 1982
Dr. B.A. Marathwada University, Aurangabad	B. Sc. (Chemistry, Biochemistry, Botany)	II nd Class	April 1985
Dr. B.A. Marathwada University, Aurangabad	M. Sc. (Environmental Sciences)	I st Class	April 1987
University of Mumbai, Mumbai	Ph.D. Environmental Biology (Zoology)	-	August 1992
Title of Thesis "Ecophysiological studies in the bivalve <i>Lamellidens corrianus</i> (LEA) with reference to Patalganga river pollution"			

[B] Teaching and Research Experience

University*/Institution	Post	From	To	Total
Chh. Shahu Institute of Business Education and Research, Kolhapur	Lecturer	01/09/1992	03/12/1999	7 years 3 months
North Maharashtra University, Jalgaon	Reader	04/12/1999	31/12/2005	6 years 4 months
North Maharashtra University, Jalgaon	Associate Professor	01/01/2006	11/08/2006	7 months

North Maharashtra University, Jalgaon	Professor	12/08/2006	12/01/2021	15 years 3 months
KBC North Maharashtra University, Jalgaon	Senior Professor	13/01/2021	till date	5 months
Total experience				29 years 10 month

[C] Area of Research Expertise: Environmental Impact Assessment, Environmental Monitoring and Occupational Health Hazards, Solid Waste Management, Green Energy Production, Environmental Auditing, Water Conservation etc.

[D] Administrative Experience:

Sr. No.	Description	Details
01.	Date of Appointment as Professor on Regular Basis	12/08/2006
02.	Name of the University and Department	School of Environmental and Earth Sciences, KBC North Maharashtra University, Jalgaon- 425001
03.	Head, School of Environmental and Earth Sciences	20/05/2002 to 04/10/2006 (Four years and five months)
	Director, School of Environmental and Earth Sciences	05/10/2006 to 30/07/2019 (Thirteen years and three months)
04.	Director I/c Student Development and NSS	29/05/2017 to 25/01/2019 (One year and eight months)
05.	Director, IQAC	30/09/2014 to 29/09/2016 & 21/11/2017 to 17/11/2021 (Six Years)

[E] Experience of working on the Statutory Authorities/forums of a University

Sr. No.	Institution	Statutory forum/authority and position	From	To	Total (in years and month)
01.	NMU, Jalgaon	Chairman, Ad-hoc Board Studies in Environmental Science	25/01/2001	06/11/2003	Eight years
			14/01/2006	31/12/2007	
			23/01/2008	31/12/2009	
			05/03/2013	02/03/2015	
			04/10/2018	Till date	
02.	NMU, Jalgaon	Member, Academic Council	11/05/2001	24/09/2007	Ten years Five months
			07/04/2011	27/05/2015	
03.	NMU, Jalgaon	Member, Senate	25/10/2002	29/03/2005	Six years Seven months
			30/12/2010	14/03/2015	
04.	NMU, Jalgaon	Member, Board of Examinations	01/01/2006	31/12/2010	Five years
05.	Dr. B.A.M.U., Aurangabad	Member, Ad-hoc Board of Studies in Environmental Science	19/05/2011	18/05/2013	Four years
			16/01/2014	15/01/2016	
06.	Collector Office, Jalgaon	Member, Jalgaon District Environmental Committee	08/10/2012	07/10/2014	Eight years
			08/10/2014	till date	
07.	NMU, Jalgaon	Member, Building and Works Committee	07/08/2013	06/09/2015	Two years
08.	NMU, Jalgaon	Chairman, Ad-hoc Board of Studies in Diploma in Agriculture and Natural Resource Management Skills	22/08/2013	22/08/2015	Two years

[F] Experience of Working with International Bodies:

Sr. No.	Name of the International body	Nature of experience
01.	Journal of Environmental Monitoring and Assessment, Springer Nature, Germany	Reviewer
02.	Polish Journal of Chemical Technology, West Pomeranian Technical University, Poland	Reviewer
03.	Current Advances in Environmental Sciences, USA	Reviewer
04.	Journal of Noise and Health, Netherlands	Reviewer
05.	Urban Climate, Elsevier, Netherlands	Reviewer
06.	Environmental Earth Science Springer Nature, Germany	Reviewer
07.	Water Science and Technology International Water Association, United Kingdom	Reviewer
08.	Journal of Chemistry Hindawi Publication, United Kingdom	Reviewer

[G] Serving on Editorial Boards.

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

[H] Scientific Collaborators

- Indian Institute of Tropical Meteorology, Pune
- German Association of Homa Therapy, Mublingen, Germany
- Indian Institute of Geomagnetism, Mumbai
- Ground Water Survey and Development Agency, Govt. of Maharashtra
- 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.

[I] Participation in International Conferences, workshops, seminars held outside/within the country:

Sr. No.	Title of workshop/seminar/conference	Month & Year	Place
01.	Eco Summit-2007, organized by Ecological Society of China and Elsevier, Oxford, UK	May 2007	Beijing, China
02.	Asia Oceania Geosciences Society (AOGS), 6 th Annual General Meeting & Geosciences, World Community Exhibition	Aug. 2009	Singapore
03.	International Conference on Probing In biological Systems	Feb. 2000	Mumbai, India
04.	International Congress of Chemistry and Environment	Dec. 2001	Indore, India
05.	Asia Oceania Geosciences Society (AOGS), 7 th Annual General & Geosciences, World Community exhibition	Jul. 2010	Hyderabad International Convention Centre
06.	International Conference on Sustainable Water Resource Development and Management	Dec. 2012	Shivaji University, Kolhapur
07.	International Conference on Science and Technology (ICST-2K14)	Feb. 2014	Indapur, Pune, India

Participation in National Conference/Seminar (Invited Talk/Session Chair)

Sr. No.	Title of Workshop/Seminar/Conference & Place	Month and Year
01.	BRPM Symposium on Environmental Pollution & Resources of Land and Water at Dr. B.A. Marathwada University, Aurangabad	Dec. 1990
02.	Workshop on National Environment Awareness Campaign, 1997-98 at BAIF, Pune	Mar. 1998

03.	National Seminar on Environment Education at SBES College, Aurangabad	Nov. 1998
04.	National Seminar on Environmental Awareness and Natural Resource Conservation at Dept. of Env. Sci., Dr. B.A. Marathwada University, Aurangabad.	Dec. 1998
05.	National Seminar on Bauxite Vision : 2050 at Mining Engineers Association of India, Kolhapur	Jan. 1999
06.	National Symposium on Eco-physiology & Conservation of Aquatic Living Resources at Dept. of Zoology, Institute of Science, Mumbai	Jan. 1999
07.	“Strategies for Environmental Management with Industrial Development” Nat. Conf. on Environmental Monitoring, Bio-Diversity and Conservation. Rashtriya College Chalisgaon.	Dec. 2000
08.	National Seminar on Population Growth & Sustainable Environment Management Through Science & Technology at Nagnath Arts, Commerce & Science College, Aundha Nagnath	Mar. 2001
09.	Chairman, Technical session and keynote address, Workshop on Water problems in North Maharashtra region organized by NGO’s in Maharashtra.	Dec. 2003
10.	Workshop on Conducting Socio-Economic Survey of Irrigation Projects 23-24 Feb. at Water and Land Management Institute, Aurangabad.	Feb. 2004
11.	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	Jan. 2004
12.	Industrial waste water : Treatment and reuse, workshop on “Water Quality Analysis” organized by Rashtriya college, Chalisgaon	Sep. 2004
13.	National Conference on Recent Trends in Environmental Science (RTES-2006) at C.E. Society’s Arts, Science & Comm. College, Chalisgaon	Feb. 2006

14.	Chaired Session, Frontiers in Applied Animal Sciences, 23 rd National Conference of Indian Society for Comparative Animal Physiology, organized by Department of Zoology, Shivaji University, Kolhapur	Oct. 2006
15.	National Seminar on Groundwater Recharge, Quality and Auditing in Hard Rock at Deogiri College, Aurangabad.	Nov. 2009
16.	National Seminar on Environmental Pollution and Remedies at Dept. of Env.Sci. Deogiri College, Aurangabad	Sept. 2011
17.	Seminar on Importance of Scientific Terminology in Environmental Science at Dept. of Env. Sci. Shivaji University, Kolhapur	Oct. 2012
18.	State Level Seminar on Environmental Protection: An Interdisciplinary Approach for Sustainable Development at Smt. Ratnaprabhadevi Mohite Patil College of Home Science for Women, Akluj	Sep. 2015
19.	National Conference on Harmony with Nature in Context of Bio-resource and Environmental Health at Dr. B.A. Marathwada University, Aurangabad	Nov. 2015
20.	National Conference on Biodiversity and Bioresources Management at Dept. of Zoology, Shivaji University, Kolhapur	Jan. 2016
21.	National Conference on Biological Tools for Sustainable Environment (BTSE 2016) at Veer Narmad South Gujrat University, Surat	Feb. 2016
22.	Emerging prospective in parasitology research at YC College of Art, Sci. Comm., Sillod	Jan 2017
23.	Global Environmental Issues, Challenges and Solution at Pankaj Mahavidyalaya, Chopada	Feb. 2017
24.	Workshop on Higher Education sponsored by British Council and Govt. of Maharashtra at Mumbai	Oct. 2018
25.	One day seminar on Environmental Impact Assessment (Resource Person) sponsored by The Maharaja Sayajirao	Mar. 2019

	University of Baroda at Dept. of Env. Studies The Maharaja Sayajirao University of Baroda	
26.	International Conference on Professional Development of Instructors in Higher Education & Training Institutions (Resource Person for Evaluation of research papers) sponsored by CABGIN The European and Indian Partner Universities at KBC NMU, Jalgaon	Dec. 2019
Participation in Refresher /Orientation Courses as Resource Person		
01.	“Environmental Challenges of New Millennium,” Refresher course in School of Chemical Sciences”, N. M. U., Jalgaon.	Dec. 2000
02.	“Groundwater Pollution and Management” ISTE Short term training programme, J. T. Mahajan Engg. College, Faizpur	Dec. 2001
03.	“Chemistry and Environmental,” Refresher course in School of Chemical Sciences”, N. M. U., Jalgaon	Mar. 2002
04.	“Noise Pollution Management,” Refresher course in School of Chemical Sciences”, N.M.U., Jalgaon	Mar. 2002
05.	Impacts of Noise pollution on Human health, Refresher course in Life Sciences, N.M.U., Jalgaon.	Nov. 2003
06.	Impacts of Noise pollution on Human health, Refresher course in Chemical Sciences, N. M. U., Jalgaon.	Nov. 2003
07.	Brain storming special meeting of researchers, organized by M. J. College, Jalgaon.	Dec. 2004
08.	Biodiversity and Environmental Pollution, Orientation course organized by Department of Adult and Distance Education.	Mar .2005
09.	Resource Person, National Seminar on “Importance of Marathi Terminology in Development of Environmental Science” organized by Institute of Biosciences and Technology, Aurangabad.	Oct. 2010

10.	Resource Person, National Seminar on “GIS Applications in Environmental Sciences & Geography” organized by School of Earth Sciences, Swami Ramanand Teerth Marathwada University, Nanded.	Oct. 2010
11.	Short Term Course in Environment Awareness Program at Academic Staff College, SGB Amravati University, Amravati	Sep. 2011
12.	National Seminar on Environmental Pollution and Remedies on 24-25 th September 2011, Organized by Dept. of Environmental Science, Deogiri College, Aurangabad.	Sep. 2011
13.	Short Term Course in Environmental Awareness Programme at Sant Gadge Baba Amravati University, Amravati.	Oct. 2011
14.	Refresher Course in Environmental Science at SGB Amravati University, Amravati	Nov. 2011
15.	UGC Sponsored Short Term Course in Environmental Conservation at Academic Staff College, SGB Amravati University, Amravati	Aug. 2012
16.	Orientation Program at SGB Amravati University, Amravati	Oct. 2012
17.	Refresher course on Environmental Science at Academic Staff College, SGB Amravati University, Amravati	Oct.2012
18.	Refresher Course in Environmental Studies at Academic Staff College, Dr. B.A. Marathwada University, Aurangabad	Feb. 2013
19.	Refresher Course in Environmental Studies at Academic Staff College, Dr. B.A. Marathwada University, Aurangabad	Aug. 2013
20.	Refresher Course on Global Warming and Environmental Pollution at Dr. B.A. Marathwada University, Aurangabad	Dec. 2014
21.	Short Term Course in Faculty Development for Senior Faculty at Sant Gadge Baba Amravati University, Amravati	July. 2016

22.	Workshop on Global Warming at Shirish Madhukarrao Chaudhari, College Jalgaon	Feb. 2018
23.	On week National Level Short Term Training Program 'Multidisciplinary Approach in Geo-environmental Impact Assessment'	Mar. 2018
25.	Refresher Course in Disaster Management (Resource Person) sponsored by Dr. B. A. Marathwada University, Aurangabad at UGC-HRD Centre, Aurangabad	Sep. 2018
26.	Refresher Course in Disaster Management (Resource Person) sponsored by Dr. B. A. Marathwada University, Aurangabad at UGC-HRD Centre, Aurangabad	Oct. 2018
27.	Faculty Development Programme (Resource Person) sponsored by UGC-HRD Center of Savitribai Phule Pune University, Pune at KBC NMU, Jalgaon	Dec. 2018
28.	Refresher Course in Recent Trends in Teaching, Learning Technology (Resource Person) sponsored by Faculty Development Centre SP Pune University at KBC NMU, Jalgaon	Dec. 2018
29.	University Level Youth Festival 2018-19 (Member organizing committee) organized by KBC NMU, Jalgaon	Feb. 2019
30.	Refresher course in Environmental Studies, (Resource Person) Organized by UGC HRDC, Devi Ahilya Vishwavidhyalay, Indore.	Jan 2019
31.	Refresher course in Short Term Course on Research Methodology (Resource Person) Organized by UGC-HRDC, Sant Gadge Baba Amaravati University, Amaravati.	Aug. 2019
32.	Refresher course in Environmental Issues and Challenges organized by UGC-HRDC, Dr. B. A. Marathwada University, Aurangabad. (Resource Person)	Sept. 2019
33.	Refresher Course- Environment Studies organized by UGC-HRDC, Sant Gadge Baba Amaravati University (Resource Person)	January 2021

34.	Refresher course in Environmental Science (Resource Person) Organized by UGC-HRDC, Sant Gadge Baba Amaravati University, Amaravati.	March 2021
Popular Lectures		
1.	"Man and Environment", D. Ed. College Kolhapur.	1996
2.	"Recent researches in Environmental Science", Department of Education Shivaji University Kolhapur.	1999
3.	"Environment and Development", Specialized training course, Agro vision 2000, Agricultural college, Kolhapur.	2000
4.	"Environmental Pollution", Science Day celebration, Pratap college, Amalner.	2000
5.	"Impact of human activities on Environment" ISTE Short term training programme, J. T. Mahajan Engg. College Faizpur.	2000
6.	"Environmental Impact Assessment, EIA," J. T Mahajan Engg. College Faizpur.	2001
7.	Environmental Impact Assessment" College of Eng. & Tech. Jalgaon.	2001
8.	Environmental Pollution with Special reference to Industrial Waste G. G. Khadse Sci. College, Muktainagar, Dist. Jalgaon.	Oct. 2001
9.	"Paryawarn & Nisarg", National Service Scheme (P.G. Unit), NMU Jalgaon.	Jan. 2002
10.	Small scale industries and environmental management" (National Service Scheme) special winter camp organized by Dr. Annasaheb G. D. Bendale Mahila Mahavidyalaya, Jalgaon	Dec. 2002
11.	Environmental Impact Assessment, J.T. Mahajan Engineering Collge, Faizpur.	Oct. 2003

13.	Manmade environmental hazard: Noise Pollution, Department of Geography, Dr. Annasaheb G.D.Bendale Mahila Mahavidyalaya, Jalgaon.	Aug. 2004
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[J] Research Projects

Total Grant Rs. 6.46 Crores

(Major Projects Rs. 2.92 Crores + Infrastructural Projects Rs. 1.54 Crores + Consultancy Rs. 0.65 Crore)

Major Research Projects					
Sr. No.	Title of the project	Project expenditure (Rs. In Lakhs)	Granting agency	Date of start	Date of Completion
01	Impact of Highway Traffic on Human Health (PI)	7.15	UGC, New Delhi	01 Apr. 2002	31 Mar. 2005
02	Effect of Indoor Air Pollution on Tribal and Rural community of Jalgaon District (PI)	5.4	UGC, New Delhi	01 Apr. 2006	31 Mar. 2009
03	Establishment of Ambient Air Monitoring Stations at Jalgaon Urban Centre. (PI)	90	MPCB, Mumbai	24 Nov. 2008	Ongoing
04	Combined Aerobic Composting & Vermicomposting of Municipal Solid Waste with Sewage Sludge & its Applications in Organic Farming (Co-PI)	9.4	UGC, New Delhi	01 Apr. 2009	31 Mar. 2012
05	Air Pollution Monitoring, Modelling & Health Effects in Khandesh Area (Co-ordinator)	37	UGC, New Delhi	01 Apr. 2009	31 Mar. 2012

06	Applications of Geochemical & GIS techniques in Impact Assessment of Municipal Waste on Soil and Water Quality of Jalgaon Area (Co-PI)	10.45	UGC, New Delhi	01 Apr. 2012	31 Mar. 2015
07	Effect of Microclimatic Variations on Water Availability and Agricultural Patterns in North Maharashtra Region (Co-ordinator)	72.5	UGC, New Delhi	31 Mar. 2015	Ongoing
08	Spatial distribution of uranium and associated water quality parameter in Jalgaon and Dhule district of Maharashtra (Co-PI)	26.97	BRNS, Mumbai	01 Apr. 2017	Ongoing
09	Water Quality Assessment and Geo-medical Hazard Management of Tribal Pockets of Nandurbar District (Co-PI)	8.33	NASI, Allahabad	25 Sep. 2018	Ongoing
10.	Establishment of Three Ambient Air Monitoring Stations at Bhusawal, Under State Ambient Monitoring Program (PI)	24.8	MPCB, Mumbai	06 Mar. 2021	Ongoing
Infrastructural Development Grants (Total: Rs. 1.54 crore)					
Sr. No.	Title of the project	Funding Agency	Rs. In Lakhs	Year of start	Year of Completion
01.	Innovative Program - M.Tech, (Coordinator)	UGC, New Delhi	50	2009	2014
02.	Engineering Graduate Facility(Coordinator)	UGC, New Delhi	5	2010	2013

03.	Infrastructure Development Grant(Coordinator)	UGC, New Delhi	40	2011	2013
04.	FIST (Coordinator)	DST, New Delhi	49	2012	2017
05.	Career Oriented Certificate Course in Industrial Safety and Management	UGC, New Delhi	10	2013	2018

Consultancy Projects (Total Rs. 68.36 Lakhs)

A. Consultancy Projects Completed at Chhatrapati Shahu Institute of Business Education and Research, Kolhapur.

Sr.	Name of the project	Funding Agency	Rs. In Lakhs
01.	Rapid Environmental Impact Assessment, Chandagad, Bauxite Deposit, Kolhapur	INDAL Mine, Kolhapur	1.5
02.	Environmental Impact Assessment, Idarganj Bauxite Deposit, Radhanagari, Kolhapur	INDAL Mine, Kolhapur	2.25
03.	Baseline Data Collection for Environmental Management Pla (EMP)	Sonshi Iron Ore Mine, Goa	0.7
04.	Base Line Data Collection for EMP	Matta and Dando, Iron Ore Mine, Goa	0.7

A. Consultancy Projects Completed at School of Environmental & Earth Sciences, KBC North Maharashtra University, Jalgaon

Sr.	Name of the project	Funding Agency	Rs. In Lakhs
01.	Distribution of Nitrate and Fluoride in the Drinking Water Sources of Jalgaon District-Jalswarajya (2003-04)	ATR laboratory, Jalgaon	1.0
02.	Data collection for Environmental Status Report of Jalgaon city (2004-05)	Shri Ashtavinayak Educational &	1.2

		Cultural Mandal, Jalgaon.	
03.	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	12.0
04.	Training Courses on Water Quality Management, ZP Jalgaon (2008-09)	Ministry of Water Resources, Govt. of India.	8.4
05.	Environmental Status Report (2010-11)	Jalgaon City Municipal Corporation, Govt. of Maharashtra	5.45
06.	Environmental and Social impact assessment of Akkalpada Dam. (2010-11)	Irrigation Department, Govt. of Maharashtra	1.5
07.	Social Impact Assessment of Lower Tapi Irrigation Project. (2012-13)	Irrigation Department, Govt. of Maharashtra	17.45
08.	Environmental Impact Assessment of Mangrul Medium Water Reservoir Project. (2014)	Irrigation Department, Govt. of Maharashtra	8.0
09.	Environmental Audit of Garware Polyester Ltd. (2016)	Garware Polyester Ltd., Waluj, Aurangabad	1.0
10.	No increase in pollution load certification	Datta Agro, Raver	0.15
11.	Environmental Audit	J.T. Mahajan College of Engineering, Faizpur	0.15
12.	Environmental Audit	M.J. College, Jalgaon	0.10

13.	Environmental Audit	Ajantha Pharma Ltd. Waluj, Aurangabad	2.36
14.	Environmental Audit	KYDSCT's College of Pharmacy, Sakegaon	0.15
15.	Environmental Audit	KYDSCT's Institute of Management, Sakegaon	0.15
16.	Environmental Audit	MGMS Art Science and Commerce College, Chopada	0.10
16.	Analytical Services	Local Industries	4.0

[K] Patent published / filed

Nilesh Mahale and **Sopan Ingle** (2020); **A multilayered modified chlorophyll based dye sensitized solar cell** (Patent Application No. 202021011988 dated 19/03/2020; Status: filed with Govt. of India).

Abstract: The exact novel feature of the invention is, the natural product that is chlorophyll a dye is modified and successfully applied for sensitization of the nanocrystalline TiO₂ in dye sensitized solar cell. The novelty lies in the structure of the modified dye which is superior in the light absorption under visible range compared to chlorophyll-a dye. The existing dye in practice for DSSC contains precious rare earth metals like Ruthenium. The present invention offers a solution to metal-free dye. The plentiful availability of the chlorophyll-a dye in the nature makes it more eco-friendly and provides a new material for sustainable development.

** The patent is submitted through National Research Development Corporation, Govt. of India for filing.*

[L] Events organized such as workshops, seminars, conferences at an international level within the country

INTERNATIONAL EVENTS				
Sr. No.	Title of workshop/seminar/conference	Month & Year	Place	Nature of experience and capacity
01.	International Conference on Advances in Energy Technology	Mar. 2013	College of Engineering & Tech., Bambhori, Jalgaon	Member, Advisory Board

02.	Global Opportunities for Latest Developments in Chemistry and Technology-2014 (GOLD-CT-2014)	Feb. 2014	NMU, Jalgaon	Member, Organizing Committee
03.	Third Global Sustainable Biotech Congress, 2014 (GSBC)	Dec. 2014	NMU, Jalgaon	Member, Core Org. Committee
04.	Leadership for Academicians Program, Sponsored by Ministry of Human Resource Development, Govt. of India, New Delhi organized by IIT Roorkee in Collaboration with Executive Education Program, Ross School of Business at University of Michigan, US during-17 Nov. 2018 to 7 Dec. 2018			
NATIONAL EVENTS				
01.	Refresher course in Environmental Science	Dec. 2005	NMU, Jalgaon	Co-ordinator
02.	Regional Seminar on Recent Trends in Environmental Sciences and Poster Presentation (Interdisciplinary Application) (RSPP-2008)	Feb. 2008	NMU, Jalgaon	Convener
03.	Refresher course in Environmental Science	Feb. 2008	NMU, Jalgaon	Co-ordinator
04.	Refresher course in Env't. Science	Dec. 2009	NMU, Jalgaon	Co-ordinator
05.	National Conference on "Natural Resource Management for Sustainable Development, (NRMSD 2010)"	Feb. 2010	NMU, Jalgaon	Convener
06.	National Conference on "Environmental Innovations for Resource Sustainability (EIRS - 2011)"	Jan. 2011	NMU, Jalgaon	Convener
07.	National Conference "ITCE-2011" at J.T. Mahajan College of Eng., Faizpur.	Feb. 2011	J.T. Mahajan College, Faizpur.	Member, Advisory Board

08.	National Conference on “Environmental Surveillance for Natural Resource Management (ESNRM - 2012)”	Jan. 2012	NMU, Jalgaon	Convener
09.	National Level Conference on “Green & Clean Technology”	Mar. 2012	COET, Bambhori Jalgaon.	Member, Advisory Board
10.	National Workshop on “Opportunities in Environmental Pollution and Health (COEPH- 2013)”	Mar. 2013	NMU, Jalgaon	Organizing Chairman
11.	National Conference on Monitoring and Assessment of Natural Resource Management (MANRSM-2017)	Jan. 2017	NMU, Jalgaon	Convener
12.	National Workshop on ‘GIS Applications in Natural Resource Management’	Feb. 2017	NMU, Jalgaon	Organizing Chairman
13.	National Conference on ‘Advances in Environmental Sciences and Geospatial Technology	Feb. 2018	NMU, Jalgaon	Chairman
14.	Workshop on NAAC Awareness Programme (NAP)	Dec. 2018	KBC NMU, Jalgaon	Co-ordinator
15.	National conference on Innovations in Environmental and Earth Sciences for Sustainable future (IEESSF-2019)	Feb. 2019	KBC NMU, Jalgaon	Chairman
16.	University Level Workshop on ‘Impact of Global Warming on Climate’	Jan. 2019	KBC NMU, Jalgaon	Chairman
17.	National Science Day Celebration	Mar. 2019	KBC NMU, Jalgaon	Chairman

18.	Workshop on Revised NAAC Assessment and Accreditation Process	17th July 2020	KBC NMU, Jalgaon	Chairman
19.	National level webinar on Geo-medical Health Hazards & Environmental problems in Tribal areas: Issues, Opportunities and Challenges	17 Sep. 2020	KBC NMU, Jalgaon	(Co-convener)
20.	National level webinar on Role of Geosciences in Drought Management: Issues, Opportunities and Challenges	17 June 2021	KBC NMU, Jalgaon	(Co-convener)

[M] Published books/book chapters referred for study in higher education at the National/International level:

Sr. No.	Title of the book	Name of the publisher	Institutions where referred for study
01.	'Environmental Studies'	<i>Prashant Publications, Pune</i>	Affiliated Colleges/Institutions of North Maharashtra University.
02.	'Enviromatics' Seasonal Variations in Ambient Air Quality in Jalgaon Urban Center (Chapter)	<i>Astral International (P) Ltd., New Delhi. pp. 62 – 72, 2008</i>	Referred by Post Graduate and Research Students at National Level
03.	'Environmental Security' Vehicular Pollution & Health (Chapter)	<i>IBDC Publications, New Delhi, pp. 219 - 227</i>	Referred by Post graduate and Research Students at National Level

[N] Guidance to Ph.D. Student

Sr. No.	Student	Thesis title	Year of award
01.	Mr. D. N. Shinde	Effect of Pesticides on Fresh water Spongila (<i>Spongila lacustis</i>)	2003
02.	Mr. B. G. Pachpande	Recovery of Chromium and other Toxic Substance from Industrial Effluents	2005
03.	Ms. A. D. Dhande	Eco-friendly Management of Urban Solid Waste in Jalgaon City	2006

04.	Mr. S. B. Attarde	Impact of Noise Pollution on Human Health	2006
05.	Mr. R. B. Dhake	Impact Assessment of Human Activities on Water Quality of Tapi River at Bhusawal	2006
06.	Mr. N. D. Wagh	Assessment of Human Activity Impact on Air Quality in Jalgaon City	2007
07.	Mr. V. S. Patel	Effect of Indoor Environment on the Health of Pulse Processing Workers	2009
08.	Mr. V.N. Patil	Study of the Physico-Chemical Parameters of Industrial Effluents Collected from MIDC trans-Thane Creek (Co-guide)	2009
09.	Mr. L. T. Ingle	Monitoring of Indoor Air Pollution and Health Assessment in Rural Population of Jalgaon District	2012
10.	Mrs. H. A. Kaul	Status and Phytoremediation of Waterlogged and Saline Soils of Jalgaon District	2013
11.	Mr. K. J. Dube	A Study on Occupational Environment and Health Impacts on Cotton Ginning Workers	2014
12.	Mr. K. F. Khairnar	Environmental Impact Evaluation of Railway Transportation on Jalgaon Region	2016
13.	Mr. N. K. Mahale	Development of Integrated System for Decentralized Power Production by Hydrogen Powered Generators.	2018
14.	Mr. R. A. Konale	Application of graphene nanocomposites for water treatment and energy exploration	14 Feb. 2019 (Work in progress)
15.	Mr. S. P. Baviskar	A GIS-based Approach for monitoring and health impact assessment of noise exposure on population of Solapur urban center	14 Feb. 2019 (Work in progress)
16.	Miss. Roja Chaluvadi	Variability of large-scale circulation over the Indo-Pacific region and its relation with south Asian monsoon under changing climate	29 March 2019 (Provisional)

17.	Mr. Emmanuel Rongmie	Investigation of physical leading to the genesis of tropical cyclones over the north Indian Ocean	29 March 2019 (Provisional)
18.	Miss. Pradnya G. Kedar	Application of Biological and Electrochemical Processes for development of Sustainable Hydrogen Energy Production	2 Nov. 2020 (Provisional)
19.	Miss. Mayuri A. Patil	Air Pollution Monitoring, Mapping and Health Impact of Population of Pachora city, Jalgaon District (Maharashtra)	2 Nov. 2020 (Provisional)

[O] Leadership Experience

- Rector, Boy's Hostel No. 1, North Maharashtra University, Jalgaon, from 29/04/2002 to till date.
- Member, Accommodation Committee in Ashwamedh Sports Competition, 2006.
- Chairman, Water Supply Committee on Ashwamedh Sports Competition at North Maharashtra University in 2006.
- Member, Purchase committee of NMU, Jalgaon, from 9/10/2007 to 8/10/2009.
- Co-ordinator, Transport and Accommodation Committee, Avishkar - 2011, organized by NMU, Jalgaon.
- Chairman, Organizing Committee, Avishkar - 2012, organized by NMU, Jalgaon.
- Co-ordinator, Finance and Accounts Committee, Avishkar - 2013, organized by NMU Jalgaon.
- Member, Organizing Committee & Chairman, Result and Certificate Committee, State Level Avishkar - 2014, organized by NMU, Jalgaon.
- Chief Rector, NMU Boy's Hostel, NMU, Jalgaon from 24/04/2015 to till date.
- Expert Member, Committee constituted for Biodiversity Park at NMU.
- Member, Advisory Committee, Central Training and Placement Cell, NMU, Jalgaon.
- Member, Annual Magazine Committee (Girnagan), 2007-08 to 2015-16.
- Member, Budget Monitoring Committee, 2013-14 to 2015-16, NMU, Jalgaon.
- Member, Core Organizing Committee for University Level Avishkar-2013, NMU, 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 Campaign from 1997 to 2004.
- 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)

[P] Experience of handling Quality issues, assessment and accreditation procedures, etc.:

Quality Issues:

- Director, (Internal Quality Assurance Cell) NMU, Jalgaon from 30/09/2014 to till date, The University is awarded 'A' grade with CGPA 3.11 during 3rd Cycle of reaccreditation by NAAC.
- Member, (Internal Quality Assurance Cell) NMU, Jalgaon from 09/11/2011 to 08/11/2013 (Two years), Active involvement in the IQAC activities.
- Member, Expert Committee constituted for framing of M. Sc. (Environment & Safety) Syllabus at Chhatrapati Shahu Institute of Business Education and Research, Kolhapur, 31/06/2012.
- Member, Conclave of Science Faculty, held at Swami Ramanand Teerth Marathwada University, Nanded, 2008.
- Chairman, Academic, Examination and Admission Committees under Academic Flexibility to School of Environmental and Earth Sciences. July 2009 to till date (Six years and seven months).
- Member, Interaction committee with foreign delegates in International Workshop at M.J. College Jalgaon on 22/12/2007
- Member, Committee on Uniform Choice-Based Credit System implementation from 2015-16.

Roles in Assessment and accreditation procedure:

- Member, Audit Committee for Safety of Gaseous Chlorination Plant, Water Supply Scheme at NMU, Jalgaon from 20/07/2011 to till date.
- Member, Research and Recognition Committee for Board of Studies in Environmental Sciences at Swami Ramanand Teerth Marathwada University, Nanded from 03/12/2012 to 31/08/2016 (Three Years & Eight Months).
- Member, Research and Recognition Committee for Board of Studies in Geography at North Maharashtra University, Jalgaon from 14/02/2013 to 13/02/2015 (Two Years)

- Member, Research and Recognition Committee for Board of Studies in Environmental Science at North Maharashtra University, Jalgaon from 15/02/2012 to 14/02/2015 (Two Years)
- Member, Steering Committee for the preparation of Self Study Report for Re-accreditation of the University at North Maharashtra University, Jalgaon from 23/04/2008 to 25/04/2008
- Member, UGC's Unassigned Grants Disbursal Committee at North Maharashtra University, Jalgaon from 2002-2007 (Five Years).
- Chairman, Internal Peer Team 2012-13 in Environmental Science for evaluation of NAAC preparation at Department of Environmental Science, Shivaji University, Kolhapur.
- Member, Science Faculty of North Maharashtra University, Jalgaon
- Member, Board of University Teachers Research (BUTR) Committee-2002-2016, NMU, Jalgaon
- Member of Syllabus Framing Committee for M.Sc. (Env. and Safety) at SIBER, Shivaji University, Kolhapur. 31st July 2012

Extra-curricular activities

- Member, Management of Rain Water Harvesting and Ground water recharge in KBC North Maharashtra University campus at 20 January 2021.
- Local Investigation Committee for recognition of laboratory as a research center, at M. J. College, Jalgaon on 25 January 2021.
- Member, Research recognition Committee at Punyshlok Ahilyadevi Holkar Solapur University, Solapur dated 20 January 2021.
- Member, National Clean Air Mission, Urban Center Committee, Jalgaon, 13/03/2020.
- Local Investigation Committee for recognition of an institution as center for PG research at Kisan Arts, Commerce and Science college, Parola on 15 December 2020.
- Appointed as an expert to assess the application of Dr. Desai Reena Gaurang for recognition as supervising teacher for Ph.D. degree in the subject of Bioscience (Microbiology) at Veer Narmad South Gujrat University.
- Member, Decision making committee on Accidental Damage of Answer sheet at JDMVPS arts commerce and science college, Jalgaon dt. 26/03/2019.
- Chairman, Jr KG and Sr KG under day care center Admission process committee dt. 15/03/2019.

- VC Nominee for Principal selection committee at Raver Parisar Sikshan Prasarak Mandal dt. 11/02/2019.
- Member, University Contract Employee wages hike committee dt. 08/02/2019.
- Chairman, University level college Youth festival stage No-1 management committee dt. 04/02/2019.
- Member, University level Youth festival- Grievance referral committee Dtd. 04/02/2019.
- Member, RUSA monitoring committee Dtd. 01/02/2019.
- Chairman, Single member committee for NOC under 2F of UGC, Dtd. 31/01/2019.
- VC Nominee for selection committee on behalf of KBC NMU, Jalgaon at Sant Muktabai arts and commerce college, Muktainagar, Dtd. 21/01/2019.
- Member, Sukanu Committee Dtd. 17/01/2019.
- Chief Coordinator, Chief coordinator online exam center for Ph.D. course work theory exam Dtd. 15/01/2019.
- Member, A committee constituted for video conferencing by election commission Maharashtra, Mumbai for democracy election and good governance. Dtd. 18/01/2018.
- Member, A Committee constituted to evaluate the impact of grazing and the granty permission for grazing in Rainy season in Jalgaon district Dtd. 10/13/2018.
- Member of the panel for setting SET paper II (Maharashtra) Dtd. 11/12/20
- Member, Local Investigation Committee for lab recognition at Indian Institute of Meteorology, Pune Dtd. 05/12/2018.
- Chairman, Local Investigation Committee for lab recognition at Lilavati Institute of Sciences, Bambhori Dtd. 28/11/2018.
- Member, Committee for framing syllabus of Environmental studies under ability enhancement coarse for CBCS Dtd. 17/10/2018
- Chairman, Ad-hoc Board Studies in Environmental Science, KBC NMU Jalgaon Dtd. 10/4/2018.
- Member, Ad-hoc Board of Studies in Environmental Science, Dr. B.A.M.U., Aurangabad. Dtd. 24/07/2018.
- Chairman, Local Investigation committee for lab recognition at Nanasaheb Y. N Chavan Arts Commerce and Science college, Chalisgaon Dtd. 10/08/2018

- Member, Canteen, Tea, Stall and Merchant shop committee Dtd. 10/09/20
- Member, LIC report preservation duration Decision committee. Dtd. 08/09/2018.
- Chairman, University affiliated colleges 2(f) and 12(B) approval proposal verification committee Dtd. 25/08/2018.
- Member, Paper Setter for Ph.D. entrance test at Swami Ramanand Tirth Marathvada University, Nanded Dtd. 23/08/2018.
- Chairman, Ph.D. coursework workshop Dtd. 16/07/2018.
- Member, Screening cum evaluation committee of API Dtd. 06/07/2018.
- Member, GH Raisosni fellowship distribution committee Dtd. 18/05/2018.
- Member, Committee for University campus PG syllabus for CBCS as per new UGC guidelines Dtd. 18/05/2018.
- Member, VC Nominee for selection committee ICSSR Research project Dtd. 17/05/2018.
- Member, Committee for framing new guidelines for merit listing Dtd. 16/04/2018.
- Member, District / State level youth award recommendation committee Dtd. 11/04/2018.
- Chairman, Jr KG and Sr KG under day care center Admmission process committee Dtd. 26/03/2018.
- Chairman Committee for framing academic audit format, Dtd. 20/03/2018.
- Committee for physical verification of construction of Indoor sports facilities Chairman Date. 3/9/2018.
- Purchase committee for modular furniture upgradation of laboratories under RUSA Member Date. 3/6/2018.
- Expert committee for Paper setting of TS SET, Member Date.5/5/2018.
- Equivalence desiding committee SET, Pune Member Date. 2/26/2018.
- Management council KBC NMU, Jalgaon, Member Date. 16/02/2018.
- Canteen, Tea, Stall and Merchant shop committee, Member Date. 22/01/2018.
- Sterrring committee for pre assessment (Cycle-4) of KBC NMU, Jalgaon, Member 15/01/2018 to 15/10/2018.
- Cillage Based Block Development Programme committee, Member Date. 12/11/2017 to 12/12/2017.

- Expert Committee Constituted for spot assessment for 12(B) status of KSK Verma Kachh University, Bhuj, Gujrat, Member Date. 30/08/2017.
- VC Nominee for selection committee on behalf of KBC NMU, Jalgaon at Dr. Ulhas Patil College fo Science, Jalgaon, Member Date. 11/14/2017.
- Workshop for Paper setting of AP SET examination in Environmental Sciences Vishakhapatnam, Expert Date. 11/3/2017 to 13/03/2017.
- VC Nominee for selection committee on behalf of KBC NMU, Jalgaon at The Shirapur Education Society, Shirapur, Member Date. 10/30/2017.
- VC Nominee for selection committee on behalf of KBC NMU, Jalgaon at Khandesh Education Society, Amalner, Member Date. 10/11/2017.
- Committee for Disaster Management Cell, Member, Date. 9/4/2017.
- The UGC Committee for examination of Infrastructural and other facilities at Krantiguru Shamaji Krishana Varma Kachchh University, Bhuj under section 12(B) of the UGC act 1956 Member, Date. 30/08/2017.
- Member Secretary-Rajiv Gandhi Science and Technology Commission-Assistance for SNT projects, Member Date. 7/8/2017.
- Carrier oriented coarse co-ordination committee, Chairman Date. 6/4/2017.
- VC Nominee for selection committee on behalf of KBC NMU, Jalgaon at Institute of Management of Research, Jalgaon. Member date. 13/05/2017.
- VC Nominee for selection committee on behalf of KBC NMU, Jalgaon at Khandesh Education Society, Amalner. Member, Date. 4/11/2017.
- VC nominee as expert on the selection committee for appointment of Assistant Professor at Nahata College, Bhusaval. Member, Date. 22/02/2017.
- Ph.D. Entrance test (Pet-2017). Chief coordinator, Date. 1/25/2017.
- Committee for establishment of IPR cell. Member, Date. 23/01/2017.
- Academic Performance Index (API) verification committee. Chairman, date. 22/12/2017 till date.
- Ad-hoc Board of Studies in Environmental Science, Dr. B.A.M.U., Aurangabad, Member
- Panel of Experts for Avishkar 2016. Member, date. 15/12/2016 to 16/12/2016.
- Committee for proposal submission under SPIDA, MHRD, Govt. of India. Chairman, Date. 21/11/2016.

- VC nominee as expert on the selection committee for appointment of Lecturer at Smt. Narmadabai Nago Chaudhari arts commerce and science college, Dhule. Member, Date. 26/12/2016.
- Local Investigation Committee for lab recognition at GTE Art Commerce and Science, Nagaon Dhule. Member, Date. 15/12/2016.
- Member of the panel for setting SET paper II (Maharashtra). Date. 10/04/2016.
- VC nominee as expert on the selection committee for appointment of Lecturer at Smt. Godavaribai ganpatrao Khadase Mahavidyalay, Muktainagar. Member Date. 22/08/2016.
- UGC expert committee to review to department under special assistant programme in the subject Environmental science and Zoology. Member Date. 12/08/2016.
- VC nominee as subject expert on the selection committee for appointment of Lecturer at Moolji Jaitha College, Jalgaon. Member, date. 31/05/2016.
- Budget Monitoring Committee. Member, 22/02/2016.
- VC nominee as subject expert on the selection committee for appointment of Lecturer at Netaji Shubhaschandra Bhos Art Commerce and Science College, Nanded. Member, Date. 07/08/2015.
- VC Nominee for Principal selection committee at PG College Technology and Research, Jalgaon. Member, Date. 11/07/2015.
- VC Nominee for Principal selection committee at KCE Societies College of Education, Jalgaon. Member, Date. 11/04/2015.
- VC nominee as expert on the selection committee for appointment of Director at R C Patel Institute of management and Research development, Development. Member, Date. 4/4/2015.
- Ad-hoc Board of Studies in Environmental Science, Dr. B.A.M.U., Aurangabad. Member, 16/01/2014 to 15/01/2016.
- Building and Works Committee, KBC NMU, Jalgaon. Member, Date. 7/8/2013 to 9/6/2015.
- Ad-hoc Board of Studies in Environmental Science, Dr. B.A.M.U., Aurangabad. Chairman, 22/08/2013 to 22/08/2015.
- Ad-hoc Board Studies in Environmental Science, KBC NMU Jalgaon. Chairman, Date. 5/3/2013 to 2/3/2015.
- Academic Council, KBC NMU, Jalgaon. Member, Date. 4/7/2011 to 27/05/2015.

- Board of Examination, KBC NMU, Jalgaon. Member, 1/1/2010 to 31/12/2015.
- Senate, KBC NMU, Jalgaon, Member, Date. 30/12/2010 to 14/03/2015.
- Member, Panel of Juries at Botanical Society, Govt. Vidarbha Institute of Science dt. 06/03/2014.
- Member, Panel of Juries, Children Science Congress, Navodaya Vidyalaya, Bhusawal dt. 30/09/2015 to 01/10/2015.
- Judge, the University Level Research Convention, Avishkar - 2015, NMU, Jalgaon.
- Counsellor, Science & Technology, Yashwantrao Chavhan Maharashtra Open University, Nasik
- 14 Talks on various aspects of Environmental Sciences, All India Radio, Kolhapur (1996)
- 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.

[Q] Youth development / student-centric activities

During the tenure as a University Professor and Director of the School the students are benefited through the following activities:

- Provided Academic Services to the Student Community through IGNOU Study Center (1611). The PG students are benefited by the diverse & interdisciplinary nature of Certificate and Diploma courses conducted by IGNOU during this period (2004-2016).
- The students are benefited in their academic program by the training courses/project work being conducted through the collaborations & MoUs with National Organizations.
- Being a member of committee for Financial Assistance to economically weaker students, the student from rural area having economically weak background are benefited (2007-2010).
- The hostel students are financially benefited through the Dr. Babasaheb Ambedkar Hostel Students Financial Assistance Scheme. Worked as a chairman of this scheme during 2008-2016.
- Being a member of anti-ragging committee, the strategies for secure campus for students are developed (2008-2016).
- Initiated the Online Certificate Courses conducted by IIRS, Bangalore on different aspects of Environmental, Geological and Civil Engineering in School of Environmental and Earth Sciences (2015-till date).
- Environmental awareness campaign through camps, organized competitions for celebration of World Environment Day/ Wild life Day/ Ozone Day/ Water

Day/ Astronomy Year/ Geography Day etc. for the benefit of students and society.

- Shouldered responsibility as (I/c) Director, Student Development and N.S.S. from 2017 till date, during the period effectively implemented university schemes for overall development of the students [Earn and Learn, Leadership Development Program, Yuvak Mohotsav (Yuvarang) Student Adoption Scheme, etc.]

[R] Research publications in peer-reviewed/referred national/international research journals:

Publications Metrics	
International: 49	National: 50
Scopus Listed: 46	Web of Science: 49
Total Citations: 1030	h-index: 17
i-10 Index: 26	Impact Factor range: 0.1 to 7.147
Cumulative impact factor: 81.11 (Thomson & Reuters)	

International Publications

1. Umesh Fegade., Ganesh Jethave., Sanjay attarde., Inamuddin Inamuddin., Tariq Altalhi., Suvadhan Kanchi., **Sopan Ingle.**, Rajesh Dhake, Statistical modeling and Interpretation of Sono-assisted adsorption mechanism of Crystal Violet dye on FeTiPbO Nanocomposites. *Journal of Molecular Liquids*. (Accepted) [IF- 6.165]
2. Ram Ashok Konale., Nilesh Keshavrao Mahale., **Sopan Tukaram Ingle.**, Application of Graphene oxide for Fluoride removal: Kinetic and Isotherm study. *Int. J. of Environment and Waste Management* (Accepted)
3. Emmanuel Rongmie., Medha Deshpande., Mano Kranthi Ganadhi1., Sopan T. Ingle. Genesis of severe cyclonic storm Mora in the presence of tropical waves over the North Indian Ocean. *Quarterly Journal of the Royal Meteorological Society*, (2021) 1-15. [IF- 3.739]
4. Roja Chaluvadi., Hamza Varikoden., Milind Mujumdar and **S. T. Ingle.** 'Variability of West Pacific subtropical high and its potential importance to the Indian summer monsoon rainfall' *International Journal of Climatology*, (2021), 1-14, DOI: 10.1002/joc.7057. [IF- 4.069]
5. Jethave G. N., Attarde S. B., **Ingle S. T.**, Fegade U. A., Mahajan H. A., Patil A. M. 'Fe_{0.26} Mn_{0.26} O_{4.5} Binary oxide Nanoparticles as Promising Adsorbent for Phosphate from Aqueous Medium' *Research Journal of Chemistry and Environment*, (2021) 25 (1), 79-88.

6. Ram Ashok Konale, Nilesh Keshavrao Mahale and **Sopan Tukaram Ingle** 'Nano-zeolite-graphene oxide composite for calcium hardness removal: isotherm and kinetic study' *Water Practice and Technology*, (2020) 15 (4), 1011-1032. [IF- 0.78]
7. Joshi Gayatri Y. Konale Ram A. Patil Sachin D. Attarde Sanjay B. and **Ingle Sopan T.** 'Kinetic and Isotherm Studies of Lead Removal from Aqueous Solution using Graphene oxide-zeolite Nanocomposite' *Research Journal of Chemistry and Environment*, (2020) 24(5), 91-100.
8. Sachin Patil, Milind Kondalkar, Umesh Fegade, Sanjay Attarde and **Sopan Ingle** 'Extraction and Spectrophotometric Estimation of Fe³⁺ , Cd²⁺ , Pb²⁺ and Zn²⁺ from Industrial Effluents Using Synthetic Supermolecular Ligand' *Nature Environment and Pollution Research*, (2020) 19 (1), 269-275. [IF- 0.127]
9. Ganesh Jethave, Umesh Fegade, Sanjay Attarde, **Sopan Ingle**, Mehrorang Ghaedi, Mohammad Mehdi Sabzehmeidani 'Exploration of the adsorption capability by doping Pb@ZnFe₂O₄ nanocomposites (NCs) for decontamination of dye from textile wastewater' *Heliyon, Elsevier* (2019), Vol. 5, Issue 9, e02412, <https://doi.org/10.1016/j.heliyon.2019.e02412>. [IF- 0.455]
10. 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' *Separation Science and Technology*, (2019) 0149-6395. [IF- 2.475]
11. **S.T. Ingle**, S.N. Patil, N.K. Mahale, Y.J. Mahajan 'Analyzing rainfall seasonality and trends in the North Maharashtra region' *Environmental Earth Sciences*, (2018) 77:651. <https://doi.org/10.1007/s12665-018-7837-0> [IF- 2.784]
12. 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' *Journal of Dispersion Science and Technology*, 1635-1643. <https://doi.org/10.1080/01932691.2018.1459678> [IF-2.262]
13. Ganesh Jethave, Umesh Fegade, Sanjay Attarde, **Sopan Ingle** 'Facile synthesis of Lead Doped Zinc-Aluminum Oxide Nanoparticles (LD-ZAO-NPs) for efficient adsorption of anionic dye: Kinetic, isotherm and thermodynamic behaviors' *Journal of Industrial and Engineering Chemistry*, 53 (2017), 294-306. [IF : 6.064]
14. 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' *Material Chemistry and Physics*, 188 (2017), 8-17. [IF-4.094]

15. N.K. Mahale & **S.T. Ingle** 'Electrocatalytic hydrogen evolution reaction on nano-nickel decorated graphene electrode' *Energy*, 119 (2017), 872-878 <http://dx.doi.org/10.1016/j.energy.2016.11.053> [IF-7.147]
16. S.N. Patil, M.Y. Tiwari and **S.T. Ingle** 'Status of Geochemical behavior of ground water of Deep Aquifer in Muktainagar Area of Jalgaon District M.S. India' *International Journal of Engineering and Technology*. Vol. 03 (02), Feb 2016 pp. 293-300.
17. Patil S.N., Marathe N.P., Kachate N.R., **Ingle S.T.**, Golekar R.B. 'Electrical resistivity techniques for groundwater investigation in Shirpur taluka of Dhule district, Maharashtra state, India' *International Journal of Recent Trends in Science and Technology*. July 2015; 15(3): 567-575
18. Patil S.N., Kachate N.R., Marathe N.P., **Ingle S.T.** and Golekar R.B. 'Electrical Resistivity studies for Groundwater exploration in the some parts Chopda block of Jalgaon District, Maharashtra India' *International Journal of Earth Sciences*. Vol.3(8), 8-13 August 2015. [IF-2.523]
19. Patil S.N., Tiwari M.Y., **Ingle S.T.** 'Hydro Geochemistry Assessment of Shallow Aquifer in Muktainagar Area of Jalgaon District M.S. India' *International Journal of Allied Practice, Research and Review*, (2015) Vol.II, Issue VIII, p.n. 12-28,
20. P.M. Kolhe, **S.T. Ingle** and N.D. Wagh 'Degradation of Phenol Containing Wastewater by Advanced Catalysis System – A Review' *Annual Research & Review in Biology*, 8(3): 1-15, 2015
21. 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' *Chem Sci Rev Lett* 4 (14), 703-710, (2015)
22. K. Nemade, U. Fegade, S. Ingle & **S. Attarde**; 'High Performance Liquid Chromatography Method for Determination of Nitrite and Nitrate in Vegetable and Water samples' *Adv. Sci. and Tech. Res.*3 (4), 238-250, (2014)
23. Dhananjay Bhaskar Sarode, Sanjay Baliram Attarde, **Sopan Tukaram Ingle**, Varsha Srivastava & Mika E.T. Sillanpaa; 'Separation and removal of Cu²⁺, Fe²⁺, and Fe³⁺ from environmental waste dsamples by N-benzoyl-n-phenylhydroxylamine', *Environmental Technology* Taylor and Francis, <http://dx.doi.org/10.1080/09593330.2014.979250>, (2014). . [IF-3.247]
24. K. Tayade, G. K.Chaitanya, J.Singh, N.Singh, **Sopan Ingle**, S. Attarde, A. Kuwar (2014): 'Fluorescence detection by thiourea based probe of physiologically important sodium ion' *Journal of Luminescence*, Volume 154, October 2014, Pages 68-73. [IF-3.599]

25. N.K. Mahale, R.D. Ladhe, S.B. Attarde and **S.T.Ingle**; 'Synthesis and the Structural Transformation of fcc to hcp in Ni-Graphene Nanocomposite by Simple Chemical Route via Sonication' *Journal of Nanoparticles*, 2014, ID 305637. . [IF-2.009]
26. **Sopan T. Ingle**, Nilesh K. Mahale, Yogesh J. Mahajan and Sanjaykumar N. Patil; 'Identification of hot spot and safe zones of ambient air quality in North Maharashtra region, India' *Local Environment: The International Journal of Justice and Sustainability*. <http://dx.doi.org/10.1080/13549839.2014.903913>. [IF-2.496]
27. Umesh Fegade, Hemant Sharma, Narinder Singh, **Sopan Ingle**, Sanjay Attarde, Anil Kuwar; 'An amide based dipodal Zn²⁺ complex for multications recognition: Nanomolar detection' *Journal of Luminescence, Elsevier* 149 (2014) 190-195. [IF-3.599]
28. K.J. Dube, L.T. Ingale and **S.T. Ingle**, 'Respiratory Impairment in Cotton Ginning Workers Exposed to Occupational Dust' *International Journal of occupational safety and ergonomics*. (2013), Vol.19, No.4, 551-560. [IF-2.141]
29. Umesh Fegade, Anil Kuwar, **Sopan Ingle**, and Sanjay Attarde; 'Application of Noncyclic 2,2'-[ethane-1,2diylbis(iminomethanediyl)] diphenol for heavy metal extraction (Mn²⁺, Fe³⁺ and Co²⁺)' *Journal of Applicable Chemistry*, (2014), 3 (1): 170-179.
30. 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, 10, 137-140, (2012).
31. 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), 12-19, (2012).
32. H.A. Kaul and **S.T. Ingle** 'Land Use Land Cover Classification and Change Detection Using High Resolution Temporal Satellite Data' *Journal of Environment* (2012), Vol. 01, Issue 04, pp. 146-152.
33. 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 : 221-232, 2011.
34. 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).
35. 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) 1-13, (2011). [IF-1.399]
36. 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. 15:87-99, (2011). [IF-0.13]
37. 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, 13:54, 348-55, (2011).
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