

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Research Contribution of the Department:

Papers in Journals

Dr. Mrs. S. P. Ingole

Sr. No.	Title of Research Paper	Authors	Name of the Journal	Vol. No./ Year / Page No.	Date of Publication
1	Bioadsorption: "A solution for industrial wastewater pollution".	Dr. Sangita P. Ingole, V. D. Bute	International Journal of Bioscience, Biotechnology Research Communication	(2) no. (1)/2009/ 110- 115	2009
2	Use Of Bioadsorbent To Treat Industrial Waste Water	Sangita P. Ingole , Vikrant D. Bute	National Journal of Life Sciences,	6(3)/2009/425 -430	2009
3	Biodiversity Of Planktons In Some Water Reservoir Of Amravati (M.S)	Sangita P. Ingole, J.L. Tarar	National Journal of Life sciences,	7(1), /2010/109- 111	2010
4	Arbuscular Mycorrhizal Fungal Diversity In Rhizosphere Soil: A Case Study From Akola Dist. (M.S.), India	R.C. Maggirwar, Sangita P. Ingole,	"International Journal of Environmental Research and development "	Vol. 6 , issue 2/2010	2010
5	Physico-Chemical analysis of Sipna river, Melghat region.	Sangita P. Ingole, Aruna U.Kakade	International Journal of Research in Biological sciences	1(4)/2011/65- 70	2011
6	Biodegradation of Tannery Effluent by Using Tannery Effluent Isolate,	Sangita P. Ingole, Aruna U.Kakade	International Multidisciplinary Research Journal,	2(3)/2012/ 43- 44	2012
7	Fluorides in the Ground waters of Amravati	Aruna U.Kakade, J. L. Tarar, Sangita	International Multidisciplinary	2(3)/ 2012/ 04-05	2010

	District	P.Ingole	Research Journal		
8	“Regression Analysis of Soil Samples in Amravati District Maharashtra (INDIA)”	Sangita P.Ingole, Aruna U.Kakade, Jayashree D. Dhote	PDF Applied Research And Development Institute Journal ,	issue3: (2) 2012, pp. 10-19	2012
9	Evaluation of Phytochemical and antibacterial Potential of Mangifera indica seeds and Terminalia bellerica fruits against Multidrug Resistant Uropathogens,	S.S.Deshmukh, Swati Baheti, Sangita P.Ingole	PDF Applied Research And Development Institute Journal,	Issue 3: February 2012 , 73 -82	Feb-12
10	“Evaluation of various Plant Species for Biodiesel Production”.	Sangita P.Ingole, Aruna U.Kakade	Current Botany	3(3):2012,22-25	2012
11	Review on wastewater treatment technologies	Jayashree D. Dhote, Sangita P.Ingole, Arvind Chavan	International journal of Environmental research and technology	Vol.1 issue 5, july 2012	2012
12	An overview on noise pollution level in Amravati city on the eve of festival	Sangita P.Ingole, S.S.Deshmukh	International Journal of Green and Herbal Chemistry Green Chemistry IJGHC;	Vol.1.No.2, June-August, 2012; , 232-236.	2012
13	To study the domestic as well as community storage system with respect to quality of water and health status of the common people	Manisha A. Jane, Sangita P.Ingole	Int. Journal of Environmental science, computer science and engineering and technology	Vol. 2, no. 1, Dec. 2012- Feb. 2013, 19-38.	2013
14	Environmental Auditing: Its Benefits and Counterance	Sangita P.Ingole	International Journal of Science Innovations and Discoveries IJSID,	2(5), 2012,152 - 156	2012
15	Antifungal activity of cow urine	Dr. Sanyogita S. Deshmukh, Shra	IOSR Journal of Pharmacy,	2 2(5)/ sep.- oct. 2012/27-	2012

		ddha S. Rajgure, Dr. Sangita P. Ingole	02530006,	30,	
16	A review of air carcinogenic risk assessment	Sangita P. Ingole, A. G. Nagpurkar	International journal of recent scientific research	vol.4, issue,1/ jan. 2013/ 74 -77	2013
17	ENVIRONMENTAL Education : A catalyst for educational reform	Sangita P. Ingole	International journal of recent scientific research	vol.4, issue 1,Jan. 2013, pp. 78 -79	2013
18	Treatment of sewage using dual media filter and its sustainable re - use	Jayashree D. Dhote, Sangita P.Ingole, Arvind Chavan	Indian Stream Research Journal,	special issue jan. 2013/pp.43 - 50	2013
19	Global Warming and Climate Change: Impact on Biodiversity	Sangita P. Ingole, Aruna U. Kakde	International journal of scientific research	vol.2, issue,5/may 2013/288-290	2013
20	Carbon Credits- A solution to Global Warming	Ingole S. P. ,Nagpurkar A.G. , Kakde A.U.	Global Research Analysis,	vol. 2, issue :5, May 2013, pp. 93 - 94	2013
21	Study of Physico-Chemical Parameters of Wastewater From Some Selected Location on Amba Nalla,	Dr. Sangita P. Ingole, Prof. Arvind Chavhan	INDIAN JOURNAL OF APPLIED RESEARCH	Vol. 3/ issue 8/ Aug 2013 311-313	2013
22	Design of Laboratory Based Waste Water Treatment Plant	Dhote Jayashree, Chavhan Arvind and Ingole Sangita	Int. Res. J. of Science & Engineering,	2014; Vol. 2 (3): 104-111 ISSN: 2322-0015	2014
23	A Review on Role of Physico-Chemical Properties in Soil Quality Review Article	Ku. Smita Tale and Dr. Sangita Ingole	Chemical Science Review and Letters	Chem Sci Rev Lett 2015, 4(13), 57 - 66 Article CS29204512 57 ISSN 2278-6783	
24	Analysis & monitoring of Air SOx levels in	Manisha Jane and Sangita	JECET; Journal of Environmental	June 2015- August 2015;	2015

	Amravati city	Ingole	Science, Computer Science and Engineering & Technology	Sec. A; Vol.4.No.3, 827-833 E- ISSN: 2278– 179X	
25	A Review on Statistics of Cancer in India	Dr. Sangita P. Ingole, Dr. Aruna U. Kakde, Priti B. Bonde	IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)	Volume 10, Issue 7 Ver. I (July 2016), PP 107-116	
26	Review on Agricultural Soil Quality	Vaishali Khedkar, Dr Sangita Ingole	International Journal of Science and Research (IJSR)	Volume 5 Issue 11, November 2016	2016
27	Microbial study of Indoor Air Quality from various schools of Amravati city, Maharashtra, India	Deshmukh V.D. Ingole S. P.	International Journal of Life Sciences, Special Issue,	Pg. 151 – 154, A-8, Sept. 2017	2017
28	Analysis of Air Quality: In Concern to the NOx Concentration in Amravati city	Manisha Jane, Sangita Ingole	International Journal of Science and Research (IJSR)	Volume 4 Issue 4, April 2015	2015
29	Role of Physico chemical parameter in soil quality of Amravati District	Tale S. S. , Sangita Ingole	International Journal of Life Sciences, Special Issue,	Pg. 155 – 158, A-8, Sept. 2017	2017
30	Statistical Analysis of Air quality as PM ₁₀ and PM _{2.5} of Amravati city, Maharashtra, India	Manisha Jane, Sangita Ingole Lunge H S	International Journal of Life Sciences, Special Issue,	Pg. 1519 – 162, A-8, Sept. 2017	2017

Mr. K. J. Gawai

Sr. No.	Title of Research Paper	Authors	Name of the Journal	Vol. No./ Year / Page No.	Date of Publication
1	Ecological Study of Pohara forest near Amravati	Gawai . K.J., Akarte S.R.,	Environment & Ecology	28(3)/2010/1589-1591	2010

	(Maharashtra)	Tippat S. K.			
2	Assessment Of Municipal Solid Waste Management Of Amravati City And Sustainable Remedies	Mr. K. J. Gawai, D.S. Ramteke	Indian Journal of Environmental Protection	Vol. 38 (4),291 - 301 (2018)	April 2018
3.	Characterization of Municipal Solid Waste of Household and Sukali Dumping Depot of Amravati City	K. J. Gawai And D.S. Ramteke	<i>Asian J. Environ. Sci., Hind Agri-Horticultural Society</i>	VOLUME 12 ISSUE 2 DECEMBER, 2017, 107 -113	DECEMBER, 2017

Papers in Proceedings:

Dr. S. P. Ingole

Sr. No.	Title of Research Paper	Authors	Details of Conference Publication
1	Water conservation by automatic water level controller	Ingole S. P	Int. J. of Life Sciences, 2014special issue, A2 October 2014
2	Physico Chemical Analysis of groundwater sample from Kamal Colony, Amravati	Deshmukh Vaishali D Wharekar SR, Ingole SP, Khedkar DD	Int. J. of Life Sciences, 2014special issue, A2 October 2014
3	Effect of Air Pollution on Human Skin in Amravati City, Maharashtra	Mankar RN,	Int. J. of Life Sciences, 2013special issue, A1
4	Carcinogenic impact of Pesticides on Human Health	Dr. S. P. Ingole, Ms. A. U.Kakde, Dr. J.D.Dhote P. R. Pawade	J.Aqua. Biology – Proceeding of NCEIOR 2013
5	Bioadsorbant as organic load Reducer- A study from Godawari river, Nanded (M.S.)	Pawade PR, Gawai KJ, Ingole SP, Kakde AU	J.Aqua. Biology – Proceeding of NCEIOR 2013

6.	Ambient air quality in an urban area and its effects on plants and human beings	Manisha Jane , Sangita Ingole, Aruna Kakde	J.Aqua. Biology – Proceeding of NCEIOR 2013
7.	Electromagnetic fields (EMFS)Effect ON Intracellular structure	Jayashree Dhote, Arvind Chavhan Sangita Ingole , Dipak Dhote	National Conference On Recent Initiatives Towards Green Electronics, Amravati
8.	Effect Of X- Rays On Human Health	R.N.Mankar, Dr.S.P.Ingole	National Conference On Recent Initiatives Towards Green Electronics, Amravati
9.	Mobile phone radiations and Environment	Ingole SP, Kakde AU, Gawai KJ, Dhote JD	National Conference On Recent Initiatives Towards Green Electronics, Amravati
10	Review on Waste Water management	Kakde AU, Ingole SP, Gawai KJ,	National conference on Advances in life sciences present and future, Amravati
11	Evaluation of Physico – Chemical Parameters of Sewage water from some selected locations on amba nalla, Amravati	JayashreeDhote Sangita Ingole Arvind Chavhan	Innovative Research Trends in Biological Sciences, Akola
12	Comparitive study of characterization of two different lakes of Nagpur City (Sakkardara lake and shanty nagar lake)	R.N.Mankar, S.P.Ingole	Innovative Research Trends in Biological Sciences,Akola
13	Comparative study of water parameters of chhatri talao and futka talao of Amravati city, district Amravati	R.N.Mankar, S.P.Ingole	National Conference On Watershed Management For Sustainable Development, Amravati
14	Assessment of pollution load in river kanhan and pench, Nagpur(M.S.)	V.N. Khedkar, M.A. Jane, S.P. Ingole	National Conference On Watershed Management For Sustainable Development, Amravati
15	Watersheds As A Boost For Water Conservation And Sustenance	Ingole S.P, Kakde A. U., Jane M. A., Gawai K. J.	National Conference On Watershed Management For Sustainable Development, Amravati
16	Physico Chemical Analysis of groundwater in Amravati city (Maharashtra)	AG Nagpurkar, SP Ingole	Innovative Research Trends in Biological Sciences,Akola
17	Seasonal variations in Different Physico – Chemical Parameters of Simbhora Dam of Amravati District, India	Ingole SP, Kakde AU, Dhote JD	Innovative Research Trends in Biological Sciences,Akola
18	Use of Biosand filter for the treatment of wastewater	Dhote JD Ingole SP,	Proceeding of National Seminar, Morshi

		Arvind Chavhan,	
19	Green Auditing : its Benefits and Countenance	Ingole SP, GA Wagh, KJ Gawai & SR Warhekar	Proceeding of National Conference on Academic and Administrative audit of HEIs- 2016
20	Role of Environmental Factors on cancer Prevalence	Ingole SP	Surgicon -2017

Mr. K. J. Gawai

Sr. No.	Title of Research Paper	Authors	Details of Conference Publication
1	Review on waste water management	Kakde AU, Ingole SP, Gawai KJ,	National conference on Advances in life sciences present and future, Amravati
2	Mobile phone radiations and Environment	Ingole SP, Kakde AU, Gawai KJ, Dhote JD	National Conference On Recent Initiatives Towards Green Electronics, Amravati
3	Bioadsorbant as organic load Reducer- A study from Godawari river, Nanded (M.S.)	Pawade PR, Gawai KJ, Ingole SP, Kakde AU	J. Aqua. Biology – Proceeding of NCEIOR 2013
4	Watersheds As A Boost For Water Conservation And Sustenance	Ingole S.P, Kakde A. U., Jane M. A., Gawai K. J	National Conference On Watershed Management For Sustainable Development, Amravati
5.	Green Auditing : its Benefits and Countenance	Ingole SP, GA Wagh, KJ Gawai & SR Warhekar	Proceeding of National Conference on Academic and Administrative audit of HEIs- 2016

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Research Projects: Completed

S. N.	Name of Faculty	Project	Project Title	Funding Agency	Grant Received	Duration
1	Dr. S. P. Ingole	Co- investigator	Treatment sewage and a Strategy for reuse	UGC	Rs. 12,45,700	2011-13

Project Proposals Submitted

S. N.	Name of Faculty	Project	Project Title	Funding Agency	Budget Amount	Duration
1	Dr. S. P. Ingole	Major	Major Research Project proposal entitled "Air Quality Monitoring & Analysis of Amravati City"	Submitted to UGC	Rs. 17,82,280/-	3 Year
2	Dr. S. P. Ingole	Major	Major project on "Air quality monitoring and analysis of Amravati city".	submitted to MPCB office , Sion branch, Mumbai, through RO, MPCB, Amravati		5 yrs.
3	Mr.K.J.Gawai	Minor	Minor Research Project proposal entitled "Assessment of Solid Waste Generation, Characterization, Handling and Management in and around Amravati City"	UGC	Rs. 5,90,000/-	3 yrs.

Research Guidance

Number of Research Laboratory	01
Intake Capacity for Ph.D. Program	04
Number of Ph. D. Supervisors	01

Sr. No.	Name of Supervisor	Thrust Area of Research	University	Recognition Letter No.
1.	Dr. S. P. Ingole	Pollution monitoring , analysis and management, Environmental Impact Assessment	<ul style="list-style-type: none"> SGB Amravati University Gondwana University, 	<ul style="list-style-type: none"> SGBAU/PhD/09/2012 <u>Notification No.- 19/2011</u> GUG / Ph.D. Sup.Rec./486/2014

Students awarded Ph. D. - 01

Number Student working under Ph.D. program:	03
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Sr. No.	Name of the Student	Title of the Synopsis	Name of the Supervisor	Registration No.
1.	Ku. Vaishali N. Khedkar	"Impact of Agrochemicals On soil Quality of Amravati District, Maharashtra (India)"	Dr. S. P. Ingole	SGBAU/Ph.D./ENV.SCI/5422 /2012 w.e.f. 15.01.2012 File No.-5422
2.	Ku. Smita S. Tale	Risk Assessment of Carcinogens (Heavy and Trace Metals) from the soil of Amravati	Dr. S. P. Ingole	SGBAU/Ph.D./ENV.SCI/6591 /2014 w.e.f. 15.01.2014 File No.-6591

		District.		
3.	Ku. Vaishali D. Deshmukh	“Seasonal Assessment of Airborne Bacteria and Fungi, in an Indoor and Outdoor School Environment and its Relation to Allergic Diseases among Children from Amravati city”	Dr. S. P. Ingole	SGBAU/Ph.D./Environmental Sci/7378/2015 w.e.f. 15.01.2015 File No.-7378

Books Published

Author: Mr. Kirtidhvaj J. Gawai

Sr. No.	Title with page nos.	Publisher & ISSN/ ISBN No.
1	Awashyak Paryavaran Abhyas	ISBN 978-93-5196-269-4
2	Compulsory Environmental Studies	ISBN 978-93-5196-270-0