

Dr ASHISH VILAS MANE

RESIDENTIAL ADDRESS:

Savant Vihar, Phase 2, G-117, Near Katraj Dairy, Katraj, Pune 411046 (Maharashtra)

PERSONAL DETAILS:

Name	MANE	ASHISH	VILAS
	<i>SURNAME</i>	<i>FIRST NAME</i>	<i>MIDDLE NAME</i>
Department	Environmental Science		
Designation	Assistant Professor		
Qualification(s)	M.Sc., M.B.A., M.B.L., M.A.(Reg.), PGD-ISO, Ph.D.		
Certification(s)/Professional Courses/Exams	SET, NET		
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MEMBER OF:

College Committees	Other Committees
Research Coordination Committee	Founder president of NGO 'Sahyadri Environmental Awareness Organization'

RESEARCH DONE:

Doctorate of Philosophy (Ph.D.) Title: Studies in Selected Grasses for Their Tolerance to Extreme Environmental Conditions: Salinity and Heavy Metal Tolerance. Shivaji University, Kolhapur (July 2010).
Ongoing Research Projects: 1) Principal Investigator (2014-16) Title: Treatment of Selected Industrial Effluents by Using Electrocoagulation as Clean Technology Option (Funds received Rs. 2, 20,000/-), Minor Research Project, UGC, Western Regions Office, Pune. 2) Principal Investigator (2014-16) Title: Treatment of Selected Industrial Effluents by Using Specially Designed Unit in combination with Electrocoagulation and Low Cost Ecofriendly Materials (Funds received 2,00,000/-), Minor Research Project BCUD, Savitribai Phule Pune University.

Completed Research Projects

1) Co-investigator (2012-2014)

Title: Studies on the Effluent of Laundry Units: Treatment, Toxicity and its Fate in Environment. Minor Research Project BCUD, Savitribai Phule Pune University

2) Co-investigator (2012-2014)

Title: Effect of Chromium and Lead on Some Biochemical Parameters of *Umbonium vestiarium* (L) Collected from Malvan Shore. Minor Research Project BCUD, Savitribai Phule Pune University

Projects funded by college under ‘College with Potential for Excellence’

- 1) Treatment of Laundry Effluent by Using Biosorption and Coagulation
- 2) Phytoremediation of Cadmium by Using Indian Mustard
- 3) Vermicomposting of the Selected Organic Wastes
- 4) Phytoremediation of Hazardous Solids Waste by Using Selected Grass Species
- 5) Effluent Treatment Using Chitosan, Bentonite and Powdered Activated Charcoal
- 6) Physicochemical Studies on Water and Soil Quality of Selected Areas in Pune
- 7) GIS Based Mapping of the Groundwater Quality in Selected Areas of Pune City
- 8) Land Use Land Cover Change Detection in Selected Area of Pune by Using GIS and Remote Sensing Technique
- 9) Rainwater Harvesting Potential of Fergusson College Campus by using GIS Approach and Water Quality Analysis
- 10) Water Quality, Sediment and Weed Analysis of Pavana Riverine Area with Reference to Physicochemical Parameters and Heavy Metals
- 11) Optimization of Effluents from Bio-Diesel Production and Emission Analysis by Using its Blends

AREA OF INTEREST IN RESEARCH:

Environmental Impact Assessment, Environmental Ethics, Environmental Monitoring, Waste Management, EMS & ISO, Remote Sensing and GIS, Environmental Auditing, Environmental Law, Risk Management, Renewable Energy, Solid Waste Management, Plant Physiology

RESEARCH PUBLICATIONS:

- 1) **Mane A. V.**, Karadge B. A. and Samant J. S. (2010): Effect of Salt Stress on Carbohydrate Contents in Four Grass Species. *Environmental Science: An Indian Journal* Vol. 5(4): 232-235.
- 2) Trimbake P. D., Singh R., Rane M. P., Ghorpade T. S., **Mane A. V.** and Pathade G. R. (2010): The Soil Quality Assessment With Reference To Selected Parameters Of Farmlands In Pune Region, Maharashtra. *Environmental Science: An Indian Journal*, 5(4): 277-282.
- 3) **Mane A. V.**, M. A. Joshi, U. P. Khandelwal, K. L. Bapat, R. D. Gaikwad (2010): Noise Quality Assessment at Selected Locations of Fergusson College Road of Pune and Its Effect on Urban Population. *Environmental Science: An Indian Journal*, 5 (6): 396-401.
- 4) **Mane A. V.**, Karadge B. A. and Samant J. S. (2010): Salinity Induced Changes in Photosynthetic Pigments and Polyphenols of *Cymbopogon Nardus* (L.) Rendle. *Journal of Chemical and Pharmaceutical Research*, 2(3):338-347.
- 5) **Mane A. V.**, Ambawade M. S., Pathade G. R. (2010): Cadmium Chloride Induced Biochemical Changes in *Triticum aestivum* (L.) Var. MP LOK 1. *Nature Environment and Pollution Technology*, 9: 691-698.
- 6) **Mane A. V.**, Karadge B. A. and Samant J. S. (2010): Salinity Induced Changes in Catalase, Peroxidase and Acid Phosphatase in Four Grass Species. *Nature Environment and Pollution Technology*, 9 (4): 781-786.
- 7) **Mane A. V.**, R. R. Sankpal, L. A. Mane, M. S. Ambawade (2010): Cadmium Chloride Induced Alteration in Growth and Cadmium Accumulation in *Triticum aestivum* (L.) var. MP LOK. *Journal of Chemical and Pharmaceutical Research* 2(5): 206-215.
- 8) **Mane A. V.**, Saratale G. D., Karadge B. A. and Samant J. S. (2011): Studies on the Effects of Salinity on Growth, Polyphenol Content and Photosynthetic Response in *Vetiveria zizanioides* (L.). *Emiratus Journal of Food and Agriculture*. 23 (1): 59-70.
- 9) **Mane A. V.**, Karadge B. A. and Samant J. S. (2010): Salt Stress Induced Alteration in Photosynthetic Pigments and Polyphenols of *Pennisetum alopecuroides* (L.). *Journal of Ecophysiology and Occupational Health* 10 (3-4): 177-182.
- 10) **Mane A. V.**, Karadge B. A. and Samant J. S. (2011): Salt Stress Induced Alteration in Growth Characteristics of *Pennisetum alopecuroides* (L.) Pers. *Journal of Environmental Biology* 32(6), 753-758.
- 11) **Mane A. V.**, V. B. Wagh, B. A. Karadge, J. S. Samant (2011): Effect of Varying Levels of Salinity on Nitrogen Metabolism of Four Grass Species. *Science Asia*, (37): 285-290.

- 12) Borker R., **Mane A. V.**, Borker T. M., Saratale G. D. and Pathade G. R. (2011): Study of Zinc Chloride Induced Changes in Biochemical and Water Quality Parameters with Reference to *Eichhornia crassipes*. *International Journal of Environmental Science*, 2 (2): 909-932.
- 13) **Mane A. V.**, Deshpande T. V., Wagh V. B, Karadge B. A. and Samant J. S.. (2011): A Critical Review on Physiological Changes Associated with Reference to Salinity. *International Journal of Environmental Science*, 1 (6): 1191-1216.
- 14) Deval C. G., **Mane A. V.**, N. P. Joshi, G. D. Sartale (2012): Phytoremediation Potential of Aquatic Macrophyte *Azolla caroliniana* with References to Zinc Plating Effluent. *Emirates Journal of Food and Agriculture*, 24 (3): 208-223.
- 15) **Mane A. V.**, Suroshi V. N., Karadge B. A. and Samant J. S. (2012): Effect of Varying Levels of Salinity on Growth Characteristics of *Cymbopogon nardus*. *National Conference on Biodiversity Monitoring and Research*. Department of Zoology, Fergusson College, Pune.
- 16) Aditi R. Borker¹, **Ashish V. Mane***, Ganesh D. Saratale* and Girish R. Pathade (2013): Phytoremediation Potential of *Eichhornia crassipes* for the Treatment of Cadmium in Relation with Biochemical and Water Parameters. *Emiratus Journal of Food and Agriculture*. 25(6): 443-456.
- 17) **Mane A. V.**, Pardeshi R. G., Gore V. R., Walave R. L., Manjrekar S. S. and Sutar G. N. (2013): Water Quality and Sediment Analysis at Selected Locations of Pavana River of Pune District, Maharashtra. *Journal of Chemical and Pharmaceutical Research*, 5(8):91-102.
- 18) **Mane A. V.** and Wael Qasim (2013): Characterization and Treatment of Food Industrial Effluents Collected from Pune City. *Water Resources and Industry*, (Elsevier) 4 : 1-12.
- 19) P. D. Mahadam and **Mane A. V.** (2013): Effect of Simulated Acidic Rain Concentrations on Selected Materials used In Construction, *Environmental Science: An Indian Journal* 8(10).
- 20) **Mane A. V.**, Karadge B. A., Suroshi V. N., and Samant J. S. (2013): Changes in inorganic constituents in the leaves of *Vetiveria zizanioides* (L.) Nash under the influence of NaCl salinity. *Octa Journal of Environmental Research*, 1(4): 336-345.
- 21) **Mane A. V.** and Parveen Anjum (2013): Municipal Solid Waste Management: A Case Study of Phursungi Plant, Pune. *World Journal of Environmental Biosciences*, 89-99.
- 22) Trimbake P. D., Ambawade M. S. and **Mane A. V.** (2014): Isolation of Phenol Degrading Microorganisms from Sewage and Degradation under Optimized Conditions. *International Journal of Research in Chemistry and Environment*, 4 (2): 18-30.
- 23) **Mane A. V.** (2015): A Critical Overview of Legal Profile on Solid Waste Management in India. *International Journal of Research in Chemistry and Environment*, 5(1):1-16.

- 24) Porwal H. J., **Mane A. V.** and Velhal S. G. (2015): Biodegradation of Dairy Effluent by Using Bacterial Isolates Obtained from Activated Sludge. *Water Resources and Industry* (Elsevier), 9: 1-15.
- 25) **Ashish Vilas Mane**, Karishma Salim Bhai Dhanani, Kratika Joshi and Chandani Salim Bhai Dhanani (2015): Groundwater quality assessment and GIS based mapping of selected areas of Mangrol Coast, Gujarat. *Journal of Chemical and Pharmaceutical Research*, 7(5):649-660.
- 26) **Ashish Vilas Mane** and Ashwinova Ghosal (2015): Water and Soil Quality Analysis of Selected Areas of Sunderban and Mapping Using GIS Technique. *International Journal of Research in Chemistry and Environment*, 5(4).

SEMINARS AND WORKSHOPS ATTENDED:

- 1) Mane A. V., Samant J.S. (2003): Effect of Simulated Acid Rain on Selected Crop Species. Paper presented in National Symposium on Recent Trends in Biology and Biotechnology and 23rd Annual Session of the Academy of Environmental Biology organized by Department of Zoology, SUK and Academy of Environmental Biology, Lukhnow.
- 2) Mane A. V., Karadge B. A., Samant J.S. (2006): Effect of Ni, Pb on Different Grass Species. Paper presented at 23rd Conference of Indian Society for Comparative Animal Physiology on Frontiers in Applied Animal Sciences, organized by Department of Zoology, Shivaji University, Kolhapur.
- 3) Attended workshop (2008) on 'Self Instructional Material Preparation' in Environmental Studies organized by Centre for Distance Education, Shivaji University, Kolhapur.
- 4) Attended workshop (2009) on 'Applications of GIS and Remote Sensing in Globalized World' organized by Nagindas Khandwala College, Malad, Mumbai.
- 5) Attended workshop (2010) on 'Computer Assisted Instruction with Reference to Computer Assisted Language Learning' Sponsored by University of Pune.
- 6) Participated in National Conference (2010) for Women 'We Meet' organized by Shakti and College of Engineering Pune.
- 7) Participated in workshop (2010) on 'Saving the Ujjani' organized by Shrishti Eco-Research Institute and others.
- 8) Poster presentation in UGC-SAP Sponsored National Symposium on 'Recent Trends in Life Sciences' (RTLS-2011) on 'Zinc Chloride Induced Changes in Some Biochemical Parameters of *Eichhornia crassipes*' at Department of Biochemistry, Shivaji University, Kolhapur
- 9) Participated in National conference on 'Carbon Credits: Roles and Responsibilities' at Abeda Inamdar College on 25th of February 2012.

- 10) Participated in 'Public Hearing on Environment and Development' conducted by Shivaji University, Kolhapur, The People Commission on Environment and Development, New Delhi, Devarai and WWF- Kolhapur.
- 11) Participated in regional Workshop on 'Water: A Scarce and Sacred Resource' jointly organized by Department of Environmental Science, Shivaji University, Kolhapur, Faculty of Life Science and Environment, Goa University, Goa.
- 12) Participated in Environment Law Workshop on 'Communities Right to Know in Environmental Democracy' organized by Center for Environment Education and Nisarga.
- 13) Participated in the International Conference on 'Recent Developments in Environmental Impact Assessment (EIA) & Integrated Approach for Carbon Management' held in NEERI, Nagpur on 28th to 30th March 2012.
- 14) Participated in National Conference on 'Biodiversity Monitoring and Research: Current Practice and Future Needs' organized by Department of Zoology, Fergusson College, Pune on 7th and 8th December 2012.
- 15) Participated in 'International Conference on Sustainable Water Resource Development and Management' organized by Department of Environmental Science, Shivaji University, Kolhapur on 20th and 21st December 2012.
- 16) Participated in International conference on 'Waste, Wealth and Health' held in Madhya Pradesh Council of Science and Technology, Bhopal on 15th February 2013 to 17th February 2013.
- 17) Participated in 8th DGS International Geography Conference to be held in Sheth J.N. Paliwala, A.S.C. College, Pali -Sudhagad between 19th to 21st January, 2013.
- 18) Participated in Youth Seminar organized by TERI and Ministry of Youth Affairs and Sports in Fergusson College, Pune on 20th and 21st February 2013.
- 19) Participated and presented poster in Regional Research Conference for Pune University College Teachers 'INNOVATION 2013' in Environmental Science at Ahmednagar on 16th April 2013.
- 20) Participated in one day workshop on 'Credit System for Postgraduate Programme' organized by H. V. Desai College in Association with BCUD, University of Pune on 20th April 2013.
- 21) Participated in 'International Conference on Recent Developments in Stratigraphy' organized by Department of Geology, Fergusson College, Pune during 14th to 16th December 2013.
- 22) Participated in two day's national workshop on 'Green Economy in Relation to Rural Development' organized by BAIF Development Research Organization, Pune on 29th and 30th January 2014.

SEMINARS AND WORKSHOPS ORGANIZED:

Organization committee member of state level regional research conference 'INNOVATION-2015' (June) jointly organized by Savitribai Phule Pune University and Fergusson College, Pune

OTHER ACCOMPLISHMENTS:

- 1) Completed two months training course on **GIS and RS** at Indian Institute of Remote Sensing (ISRO), Dehradun organized during the period 05/05/2014 to 27/06/2014.
- 2) **Recognized M. Phil. Guide** in Environmental Science (by Papers and by research) of Savitribai Phule Pune University, Pune since 22/07/2014 to 21/07/2022.
- 3) **General Orientation Course** (2009) Completed Conducted at Academic staff College, Savitribai Phule Pune University.
- 4) **Refresher Course** (2012) in Environmental Sciences conducted by Academic Staff College, University of Kerala during 1st October to 22nd October.
- 5) **Approved Teacher** of Savitribai Phule Pune University w.e.f. 07/02/2009 letter dated CCO/3050 30/03/2011.
- 6) **Recognized Post-Graduate Teacher** (by Papers) of Savitribai Phule Pune University in Environmental Sciences 1288 BUTR/Sci/2191-202 dated 01/06/2012 (08/05/2012 to 07/05/2017).
- 7) **Worked/ing as Examiner/Paper Setter/Moderator** for Savitribai Phule Pune University, Solapur University, Shivaji University, Kolhapur, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad for UG/PG and Environmental Science courses.
- 8) **Contributing author** in four books written on 'Environmental Studies' by Shivaji University, Kolhapur, Phadke Publications and Chaitanya Publications Kolhapur.
- 9) **Editorial Board Member** of online Journal in Environmental Science.

Place: Pune

Date: 1st September 2015

Mr Dr Ashish Vilas Mane