

Curriculum Vitae

Dr. Ashwini Vikas Padalkar

Permanent Address

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OBJECTIVES: TO WORK FOR INNOVATIVE IDEAS ON SUSTAINABLE SOLUTIONS TOWARDS CLIMATE CHANGE PROBLEMS

EDUCATION

<i>Examination</i>	<i>Year</i>	<i>Univ./Board</i>	<i>Class</i>	<i>Honour /Rank</i>
Ph.D. (Environmental Science)	2020	CSIR-NEERI/ University of Mumbai	Completed	Defended Viva-Voce in July 2020
M.Sc. (Environmental Science)	2011	University of Mumbai	I-Class with Distinction (72.1 %)	2nd Rank in University of Mumbai
B.Sc. (Biotechnology)	2009	University of Mumbai	I-Class (69.5 %)	
H.S.C.	2006	Maharashtra Board	I-Class (76.6 %)	---
S.S.C.	2004	Maharashtra Board	I-Class (82.6 %)	---

ADDITIONAL QUALIFICATIONS

<i>Examination</i>	<i>Year</i>	<i>Univ./Board</i>	<i>Honour/Rank/CGPA</i>
Post-Graduate Diploma in Environment and Sustainable Development	2021	Indira Gandhi National Open University (IGNOU)	Pursuing
Advanced Diploma in Industrial Safety (ADIS)	2020	Maharashtra State Board of Technical Education (MSBTE)	95.09%
Post-Graduate Diploma in Environmental law (PGDEL)	2019	National Law School of India University, Bangalore	4.60/7.00 (CGPA)
Certificate Course on IBM SPSS	2014		A+ grade

PROFESSIONAL CAREER

<i>Employer / Place of Work</i>	<i>Designation</i>	<i>Period</i>
Accdon LLC	Scientific Editor	Apr 2021- Present
Cactus Communications	Reviewer (Environmental Science, Energy and Sustainability)	May 2021- Present
Expert Scientific Editor	Academic Exchange Information Centre (AEIC)	Nov-Present

RESEARCH EXPERIENCE

<i>Employer / Place of Work</i>	<i>Designation</i>	<i>Period</i>
State Knowledge Management Centre on Climate Change (SKMCCC), Dept. of Environment and Climate Change, Govt. of Maharashtra	Research Associate-I	May 2019-Mar 2021
CSIR- National Environmental Engineering Research Institute (NEERI)	Senior Research Fellow	Sep 2014- Sep 2017
CSIR- National Environmental Engineering Research Institute (NEERI)	Junior Research Fellow	Sep 2012- Sep 2014
CSIR- National Institute of Oceanography (NIO)	Project Assistant	Oct 2011-Sep 2012
Aditya Environmental Services Pvt. Ltd.	Environmental Manager	Apr 2011-Sep 2011

TEACHING

<i>Employer / Place of Work</i>	<i>Designation</i>	<i>Period</i>
Garware Institute of Career Education and Development, University of Mumbai	Expert Visiting Faculty (MSc-Sustainable Development and Environment Management)	Aug. 2020-Present

RESEARCH INTERESTS

Sustainable Solutions for Climate Change

Research and innovative policy and technology solutions for climate change mitigation and adaptation

Wastewater treatment

Performance evaluation of CETPs and providing constructive solutions for enhancing effluent treatment.

Odor monitoring and reduction

Analytical monitoring of causative compounds for odor, especially in industrial areas and providing solutions for its reduction/ removal.

Volatile organic compounds measurement and reduction

Extensive experience in monitoring of volatile organic compounds in industrial areas as well as indoor environment. Providing constructive solutions for reduction of the compounds depending on their source of origin.

POST DOCTORAL RESEARCH WORK

Project Title: "Establishment of Maharashtra State Knowledge Management Centre on Climate Change (SKMCCC)"

Institute: Department of Environment and Climate Change, Mumbai, India (May 9, 2019 to present)

Principal Investigator: Mr. Narendra Toke (Director, Department of Environment and Climate Change, Mumbai)

Work being done: One of the major objectives of the project is integration of climate change into development policies of Maharashtra state. This is being conducted by development of a Monitoring and Evaluation (M&E) Framework and capacity building of line departments. SKMCCC is the nodal agency which is assisting the line Government Departments for integration of recommendations from Maharashtra Climate Change Policy into their departmental policies and programmes. Facilitation of flow of information and knowledge between the experts, policy makers and vulnerable communities is being undertaken by establishing a knowledge repository on available information regarding climate change in Maharashtra. SKMCCC also has collaborations with the IIT-B Climate Change Division in conducting the vulnerability assessment of various districts in Maharashtra. SKMCCC is responsible for development of a website

dedicated to climate change and related information for the state of Maharashtra. It is also currently in the process of developing a database by collating information on climate change from different verified sources and documenting the community perceptions and best practices on climate change.

Major projects in progress as a part of SKMCCC research activities:

1. Revision of Maharashtra State Action Plan on Climate Change (SAPCC)

SKMCCC is playing a pivotal role in the revision of the Maharashtra State Action Plan on Climate Change, which is a guiding document for initiatives to be undertaken for adaptation and mitigation actions regarding climate change in the state of Maharashtra. This project involves mapping of key policies and actions across the priority sectors, updation of Maharashtra state profile and climate analysis, preparation of sector wise, district level climate adaptation and mitigation plans, development of a vulnerability assessment criteria for districts, preparation of financing plan and implementation plan for Government projects.

2. Majhi Vasundhara Abhiyan

This mission is currently being conducted on a state level through participation of AMRUT Cities, Municipal Corporations, Nagar Panchayats and Villages. It is planned considering the five thematic areas of Agni, Jala, Bhumi, Vayu and Akash. SKMCCC is an integral part of the Abhiyan, in particular the Majhi Vasundhara Pledges, featuring the pledge points for individuals and corporates, and Majhi Vasundhara Summit, which is built on the action points to be undertaken by various Line Government Departments for conservation of environment.

3. Technological options and interventions for climate change mitigation and adaptation in the state of Maharashtra

SKMCCC is in the process of development of a technical scrutiny of available technological options (soft, hard and organizational, including disaster preparedness) effective for the state of Maharashtra with CSIR-NEERI as the knowledge partner. The specific focus for this project is on priority sectors and mainstreaming the technologies for adaptation and mitigation in the respective sectors. It also includes a comparative assessment of available technologies including cost-benefit analysis, advantages/limitations, target groups, scaling-up and adaptability. Prioritization and selection of adaptation technologies, including existing tools for prioritization and relevant criteria for technology selection along with policy options for innovation and technology diffusion is also being conducted as a part of the project.

4. Web-Based System for GHG Inventory and MRV of Climate Actions in Maharashtra

This project is being conducted in collaboration with IORA Ecological Solutions Pvt. Ltd. It involves development of a web based automated Decision Support System that supports the state's transition to a low carbon paradigm while ensuring that it continues to economically develop sustainably and cater to the aspirations of its people. The system is capable of annual mapping of the state, corporate and community led climate mitigation actions, quantifying economy-wide mitigation and sequestration achieved due to each of the actions and optimizing source by source low carbon mitigation and sequestration options that the state would need to take up to enhance mitigation and sequestration and reach carbon neutrality.

Ph.D. (ENVIRONMENTAL SCIENCE) RESEARCH WORK

Project Title: "Study of Odor Causing Compounds in Industrial Wastewater Treatment Facilities and Development of Control Options"

University: University of Mumbai- CSIR-National Environmental Engineering Research Institute, Mumbai

Research Supervisor: Dr. Rakesh Kumar (Director, CSIR-NEERI)

Work Done: During my Ph.D. tenure, I worked primarily on industrial effluent and its treatment. My research was focused on monitoring odor causing compounds, i.e., VOCs, from industrial effluent collected at DBESA CETP and to devise methods for control of the generated odor causing compounds. VOCs responsible for odor generation in DBESA CETP were also monitored from effluent in major treatment units, i.e., equalization tank, primary clari-flocculator and secondary clarifier, aeration tanks, outlet and sludge thickener. The odor concentrations of the detected odor causing VOCs were determined and the treatment units and mechanisms

responsible for emitting high concentrations of odor causing compounds in air were identified. The major removal mechanisms of prominent VOCs at different treatment unit were theoretically estimated. The effect of air stripping and surface volatilization on removal of VOCs was estimated theoretically and verified experimentally. Reduction of majorly observed odor causing VOCs was performed in a BTF (biotrickling filter) constructed in laboratory. The BTF was operated to determine its removal efficiency and elimination capacity at various loading rates. The optimum inlet concentrations of pollutants and their inlet loading rates were determined to estimate the optimum working conditions of the filter. The effects of backwashing and addition of silicone oil on the removal efficiencies of the pollutants in the BTF were also studied.

M.SC. (ENVIRONMENTAL SCIENCE) RESEARCH PROJECT WORK

Project Title: “Mithi River Pollution Assessment: A Case Study”

University: University of Mumbai-CSIR-National Environmental Engineering Research Institute, Mumbai

Research Supervisor: Dr. Rakesh Kumar (Director, CSIR-NEERI)

Work Done: Estimating the quality of Mithi river water and the changes occurring in the river during seasonal and temporal variations. Also studied the effect of artificial oxygenation on the river water quality.

POST GRADUATE DIPLOMA IN ENVIRONMENTAL LAW (PGDEL) PROJECT WORK

Project Title: “Clean Development Mechanisms and Climate Change Policy in India”

University: National Law School of India University, Bangalore

Work Done: The origin and motive of CDM mechanism at the international and national scenario was critically analyzed. The changing climate trends and the sectors influencing the change in climate were identified. CDM projects currently functioning in India, and the mechanism for registration and working of CDM projects was highlighted. The reasons for failure of CDM projects were studied from the perspective of policy, management and legislation.

ADVANCED DIPLOMA IN INDUSTRIAL SAFETY (ADIS) PROJECT WORK

Project Title: “Project Report on Occupational, Health and Safety in Engineering Industry Adopted and Carried Out in A. R. Engineering Company”

University: Maharashtra State Board of Technical Education

Work Done: The aim of the project was to study and observe the safety performance of the company. The objectives of the study included studying safety policy and safety performance of the company, adequacy and efficiency of fire safety equipments, efficiency of personal protective equipments used, causes of incidents/accidents and suggest control measures, studying the causes of accidents occurred on a case-by-case basis, carrying out risk assessment, analysing the causes of accidents and suggesting the measures to reduce the accidents and also recommending measures to improve safe working environment.

RESEARCH WORK AT EMPLOYMENT ORGANIZATIONS

❖ **STATE KNOWLEDGE MANAGEMENT CENTRE ON CLIMATE CHANGE (SKMCCC), ENVIRONMENT DEPT., GOM**

Work Profile: Technical Support, Knowledge Creation, Collection and Dissemination

- Developing a database on climate change by collating information from different sources
- Undertaking in-depth research such as vulnerability and risk analysis, impact assessment
- Documentation of community perceptions and best practices, knowledge networking
- Partaking in revision of Maharashtra State Action Plan on Climate Change (SAPCC)
- Knowledge portal for wider distribution of information through website development (content development)
- Development of a Monitoring and Evaluation (M&E) Framework and capacity building of line Government Departments

- Technical scrutiny of available technological options effective for the state of Maharashtra
- Web-Based System for GHG Inventory and MRV of Climate Actions in Maharashtra

Administrative Responsibilities

- Supporting the Department of Environment and CC, GoM in implementing activities related to SAPCC and GoI's international commitments related to climate change, such as NDCs and SDGs
- Responsible for revision and calling periodic meetings of the Maharashtra State Steering Committee on Climate Change, constituted by Maharashtra State Government under the chairmanship of Hon'ble Chief Secretary with members; Additional Chief Secretaries, Principal Secretaries and Secretaries from relevant departments, representatives from national institutions and subject experts.
- Working with line departments for appointment of nodal officers from Government Departments to coordinate with their activities related to climate change and their capacity building needs
- Collaboration through MoUs with state/ national and international organizations for exchange of knowledge, research and technology sharing/ transfer
- Developing partnerships with Government and Non-Government Institutions to incorporate climate change perspectives in training programmes
- Establishing networks and strategic partnerships with institutions and agencies by empanelment
- Coordinating with line Government Departments for integration of recommendations from Maharashtra Climate Change Policy into their departmental policies and programmes
- Handling Government e-Marketplace (GeM) for purchase of equipments and services
- Coordinating with climate change adaptation project implementing and executing agencies funded through National Adaptation Fund for Climate Change (NAFCC) for periodic progress reviews
- Responding to queries received for climate change under the Right to Information Act (RTI)
- Responding to questions received in assembly of the Lok Sabha and Rajya Sabha pertaining to climate change
- Periodically updating the Principal Secretary (Environment and Climate Change Department, Govt. of Maharashtra) on departmental activities on climate change
- Responsible for daily documentation (English and Marathi), organization of meetings and video conferences

Training and Capacity Building Activities

- Organization of capacity building and training conference for government officials and institutions
- Organization of web-meetings for empanelled organizations and other stakeholders

❖ CSIR-NEERI (NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE), MUMBAI

- **Worked as Technical Advisor to MAHARASHTRA POLLUTION CONTROL BOARD (MPCB) for a session from June 2014- June 2015**
- Performance audit of Tarapur Common Effluent Treatment Plant (TEPS-CETP) and Badlapur Common Effluent Treatment Plant (BCETP), Badlapur
- Technical evaluation of ten CETPs for MPCB
- Environmental audit of Urea, Ammonium nitro-phosphate and Suphala plant at Rashtriya Chemicals and Fertilizers (RCF), Chembur
- Comprehensive water audit for Reliance Industries Limited: Nagothane Manufacturing Division
- Environmental audit of Bharat Petroleum Corporation Limited (BPCL), Chembur
- Air and leachate monitoring for Kanjurmarg dumping ground
- Impact of Building material on Indoor Air Quality: A Study by Godrej.
- Jubilant Life Sciences Ltd. High Court PIL No. 240 of 2009
- Responsible for project planning, execution including study area demarcation, sampling and analysis of environmental samples, experimental designing, report writing and correspondence with authorities.
- Data analysis and interpretation of secondary data including DPRs and status reports.

- Representing CSIR-NEERI at exhibitions, conferences, workshops and seminars

❖ CSIR-NIO (NATIONAL INSTITUTE OF OCEANOGRAPHY), MUMBAI

- Extensive fieldwork in the waters of the West Coast of India for collection of samples of marine origin, their pretreatment and subsequent analysis in the laboratory
- Programmes involved were generally confined to the health of the marine environment of India with respect to developments in the coastal zone
- Experience in marine biology with proficiency in collection of samples for zooplankton, phytoplankton, chlorophyll, primary productivity, microbiology and benthos (macro and meio); collection of samples for water quality

❖ ADITYA ENVIRONMENTAL SERVICES PVT. LTD., MUMBAI

- Documentation of data and planning for environmental clearance of developmental projects
- Preparing application forms for environmental clearance
- Planning for the collection and reviewing of data as per the activities of the proposed project

AWARDS

Year	Name of the Award	Awarding Organization
2014	National Eligibility Test (UGC NET-SRF)	University Grants Commission
2012	National Eligibility Test (UGC NET-Lectureship)	University Grants Commission
2012	Ph.D. Entrance Test (PET)	University of Mumbai
2011	National Eligibility Test (UGC NET-JRF)	University Grants Commission
2011	State Level Eligibility Test (SLET)	University of Pune

RESEARCH PAPER PUBLICATIONS

1	Ashwini V. Padalkar, Rakesh Kumar, <i>Removal mechanisms of volatile organic compounds (VOCs) from effluent of Common Effluent Treatment Plant (CETP)</i>	Chemosphere, 2018, 199, 569-584 (I.F: 5.1)
2	Ashwini V. Padalkar, Rakesh Kumar, <i>Reliability analysis and removal efficiency relationship of Common Effluent Treatment Plants of industrial clusters</i>	Int. J. of Env. Sc. Tech., 2018 (I.F:2.1)
3	Ashwini V. Padalkar, Rakesh Kumar, <i>Common Effluent Treatment Plant (CETP): Reliability analysis and performance evaluation</i>	Water Sc. and Engg., 2018, 11 (3), 205-213 (I.F: 1.4)
4	Ashwini V. Padalkar, Satinder Kaur, Rakesh Kumar, <i>Performance evaluation of Common Effluent Treatment Plant for efficiency of pollutant removal and relation to design adequacy</i>	J. of Env. Sc. Engg., 2016, 58 (1), 17-28 (I.F: 0.5)
5	Ashwini V. Padalkar, Rakesh Kumar, <i>Industrial area air pollution due to odor causing VOCs, detection and measurement</i>	Int. J. of Env. Sc., 2016, 5(1&2), 92-98 (I.F: 0.6)

MANUSCRIPTS UNDER REVIEW

1	Ashwini V. Padalkar, Rakesh Kumar, <i>Start-up and performance characteristics of biotrickling filter for removal of odorous VOCs</i>	Bioresource Technology (Under revision: Man. no: BITE-D-18-08391R1) (I.F: 5.9)
2	Ashwini V. Padalkar, Rakesh Kumar, <i>Surface emission determination of volatile organic compounds (VOCs) from treatment units of common effluent treatment plant (CETP) using a self-designed emission isolation flux chamber</i>	Science of the Total Environment (Man. no: STOTEN-D-18-14438) (I.F: 3.4)
3	Ashwini V. Padalkar, Rakesh Kumar, <i>Water quality assessment of</i>	Pollution Research

MANUSCRIPTS UNDER PREPARATION

1. **Ashwini V. Padalkar**, Rakesh Kumar, *Odor measurement methods: A review*
2. **Ashwini V. Padalkar**, Rakesh Kumar, *Characterization and quantification of VOCs emitted from Common Effluent Treatment Plant (CETP)*
3. **Ashwini V. Padalkar**, Rakesh Kumar, *Measurement of odor emissions from Common Effluent Treatment Plant (CETP)*

PAPERS PRESENTED AT INTERNATIONAL/ NATIONAL CONFERENCES

1. **Ashwini Padalkar**, Rakesh Kumar, *Volatile organic compounds (VOCs) in common effluent treatment plant (CETP) and their mass transfer*, State Level conference on Changing Environment: Situation, Nature & Problem, 17th January, 2017
2. **Ashwini Padalkar**, Rakesh Kumar, *Effect of oxygenation on Mithi river water quality of Mumbai, India: Reference to physico- chemical characteristics*, International Conference on Impact of Chemical Research on Environment, 17th-18th February, 2016
3. **Ashwini Padalkar**, Rakesh Kumar, *Detection and measurement of odorous volatile organic compounds (VOCs) from common effluent treatment plant (CETP)*, International Conference on Climate Change & Sustainability, 21st-23rd December, 2015
4. **Ashwini Padalkar**, Rakesh Kumar, *Effect of artificial oxygenation on physico-chemical characteristics of Mithi river water quality of Mumbai, India*, National Conference on Resource Management and Sustainable Development in India, 18th-19th December, 2015
5. **Ashwini Padalkar**, Rakesh Kumar, *Assessment of spatio-temporal variations in physico-chemical characteristics of Mithi river water quality of Mumbai, India*, International Conference on Environmental Issues and Sustainable Development, 18th-20th October, 2014
6. **Ashwini Padalkar**, Rakesh Kumar, *Spatio-temporal variations in Mithi river water quality*, International Symposium on Metal Ions in Biology and Medicine & 4th Green Health Conference, 28th-30th November, 2016
7. **Ashwini Padalkar**, Rakesh Kumar, *Industrial area air pollution due to odor causing VOCs, detection and measurement*, National Conference on Environmental Monitoring, Assessment and Pollution Control, 10th-11th December, 2015
8. **Ashwini Padalkar**, Rakesh Kumar, *Performance Evaluation of Common Effluent Treatment Plant: A Case Study*, International Conference on Water Sanitation and Recycling, 22nd March, 2014
9. **Ashwini Padalkar**, Rakesh Kumar, *Industrial area air pollution due to odor causing VOCs and emerging trends in odor measurement*, Conference of Indian Aerosol Science and Technology Association, 11th-13th November, 2014
10. Satinder Kaur, **Ashwini Padalkar**, Rakesh Kumar, *Indoor Sources of VOC Assessment for Common Use of Materials used in Office Spaces in Mumbai*, Conference of Indian Aerosol Science and Technology Association (IASTA-2014), 11th to 13th November, 2014
11. **Ashwini Padalkar**, Rakesh Kumar, *Mithi River Pollution Assessment: A case Study*, Research Scholars' Meet, 25th February, 2011

TRAININGS/ CONFERENCES ORGANIZED

12. Sensitization workshop on *"Strengthening of Maharashtra State Action Plan on Climate Change"* on 9th February, 2021
13. International conference on the topic *"Climate Crisis: Action for Tropical Coastal Cities"* on 27th and 28th February, 2020
14. Capacity Building Training on *"Taking forward the Climate Change Dialogue for Government Officials"* on 18th February, 2020
15. Workshop on *"Training for upgradation of skill and knowledge for functioning of CETPs"* on 25th and 26th September, 2014

16. Two day training program in collaboration with MPCB and GIZ on **"Upgradation/ Modification of CETPs for Environmental Compliance"** on 1st and 2nd September, 2014
17. Six training sessions on **"Capacity Building Programme for Employees of MCGM"** from January 2014 to September 2014
18. International conference on the topic **"Water, Sanitation & Recycling" by MACCIA (Maharashtra Chamber of Commerce, Industry and Agriculture)** on 22nd March, 2014
19. Workshop on **"Complexities of environmental regulations CRZ, RRZ, and EIA"** on 10th and 11th January, 2014

CONFERENCES ATTENDED

20. **Western Regional Consultation Meeting on Climate Change** held on 24th- 25th May 2019 at Novotel Hotel, Pune organized by MoEFCC and UNDP
21. Workshop on **"Research Efficient, Cleaner Production and Circular Economy Leading to Sustainability"** held on 11th July, 2019 organized by Thane Belapur Industrial Association and Maharashtra Pollution Control Board
22. Participated in Seminar on **World Environment Day** organized on 5th June 2013 by SOCLEEN in collaboration with CSIR-NEERI
23. Actively participated in workshop on **"Sensory Systems for Environmental Monitoring of Obnoxious Odors and VOCs in Industries"** held on 7th and 8th February, 2013 organized by CSIR-NEERI, Nagpur
24. Actively participated in workshop on **"Building with Nature"** held on 1st and 2nd November, 2012 in Mumbai
25. Actively participated in the three-day workshop on **"Designing of Wastewater Treatment Plant"** organized by the Department of Environmental Pollution Control Technology, of G.I.C.E.D, University of Mumbai on May 25th to 27th, 2012, Mumbai
26. Actively participated in the National level Conference on **"Environmental Management-Challenge for Sustainable Development"** held on 2nd and 3rd February, 2011 by M. D. College of Arts, Science and Commerce, Parel, Mumbai
27. Actively participated in the National Seminar on **"Environmental Pollution and Monitoring"** held on 17th and 18th September, 2010 by Changu Kana Thakur Arts, Commerce and Science College, New Panvel, New-Mumbai
28. Actively participated in National Level Conference on **"Impact of Urbanization on Lake Ecosystem (Causes, consequences and remedial measures)"** on 21st December, 2009, organized by Vikas Night College of Arts, Science & Commerce, Mumbai
29. Actively participated in National Level Seminar on **"Application of Satellite Imagery for Assessment of Depletion Of water Level, Green Cover & Wild-Life in Maharashtra"** on 11th -12th December, 2009, organized by Department of Zoology, Ramnarain Ruia College, Mumbai
30. Actively participated in the one-day workshop on **"Training in Green Chemistry and its Relevance in Education Curricula"** on 8th December, 2009, organized by Department of Chemistry, R. D. National College of Arts & Commerce in association with Beyond Benign Foundation, USA and Newreka Green Synth Technologies Pvt. Ltd, Mumbai
31. Actively participated in the **"Post Ganesh Visarjan Girgaum Beach Cleanup"** on 4th September, 2009 organized by World Wildlife Fund for Nature-India, Mumbai

PROFESSIONAL TRAININGS

1. Two days online certification course on **'Introduction to Green Building Profession: Skill Training and Management'** organized by The Energy and Resources Institute on 11th and 12th February, 2021
2. Three days online capacity building workshop on **'State, District and Block Level Vulnerability Assessment in India Using a Common Framework'** organized by Indian Institute of Technology Mandi and Indian Institute of Technology Guwahati and supported by Department of Science and Technology, Government of India and Swiss Agency for Development and Cooperation (SDC), Embassy of Switzerland from 24th to 26th November 2020

3. Five days training workshop on '**Concept Development for Climate projects for State Government Officials**' organized by Bankers' Institute for Rural Development (BIRD)- National Bank for Agriculture and Rural Development (NABARD) from 25th to 29th November 2019 in Port Blair, Andaman and Nicobar Islands
4. Two days training for '**Certificate course on GC-FID**' on 21st and 22nd October 2015 in Shimadzu Analytical India Pvt. Ltd., Mumbai, Maharashtra
5. Six days training with examination for '**Certificate course on IBM SPSS**' from 3rd to 8th August 2014 in G.N. Khalsa College, Mumbai, Maharashtra

SOFTWARE KNOWLEDGE

- | | | |
|---------------------------------------|-------------------------|------------|
| • Ms Office (Word, Excel, PowerPoint) | • MS-CIT (97%) | • IBM SPSS |
| • LibreOffice | • Internet Search Tools | • ALOHA |

TECHNICAL SKILLS

- | | |
|--|--|
| • Statistical data analysis and interpretation | • Good research and presentation skills |
| • Project proposal writing | • Project planning and execution |
| • Volatile organic compounds monitoring | • Water, wastewater, air, leachate analysis |
| • Odor monitoring | • Benzo(a)pyrene analysis |
| • Volatile Organic Compounds Analysis | • Microbial isolation techniques |
| • Zooplankton identification | • Microbial staining techniques |
| • Microbial plating techniques | • Planning and designing research experiments |
| • Drafting Memorandum of Understanding (MoU) and Terms of Reference (ToRs) | • Knowledge of Government e-Market Place (GeM) |

INSTRUMENTS HANDLED

- | | |
|----------------------------------|----------------------------------|
| • GC-MS/FID | • Spectrophotometer |
| • Flame photometer | • Turbidimeter |
| • Heron Tranter net | • Niskin water sampler |
| • van Veen grab sediment sampler | • Stereo and compound microscope |

PROFESSIONAL SERVICES

Referee/ Peer Reviewer for International Journals

- Journal of Rubber Research (Springer, Germany)
- American Journal of Environmental Sciences (Science Publications, USA)
- International Journal of Environmental Pollution and Remediation (Avestia Publishing, Canada)

Other Services

Subject Matter Expert (SME) for Earth Sciences at Chegg, India

PERSONAL INFORMATION

Full Name	: ASHWINI <i>Personal Name</i>	: VIKAS <i>Middle Name</i>	: PADALKAR <i>Surname/ Family Name</i>
Nationality	: India		
Date of Birth	: October 27, 1988		
Place of Birth	: Mumbai, Maharashtra, PIN-400012 (India)		
Contact	: 08767842022 ashwinivpadalkar@gmail.com		Married

REFERENCES

Available on request

December 2021

Padalkar Ashwini V.