

VIVEK S. MANIK



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Objective

Enthusiastic and research-driven Assistant Professor with a postgraduate degree in Environmental Science, committed to advancing environmental education, sustainable practices, and interdisciplinary research in Environmental Science and Environmental Impact Assessment field". I am having 15 years of experience in this area which includes 5 years of teaching in academic field and 10 years of working with various environmental consultancies. I possess well developed communication skills from over the years in customer facing roles. I maintain an awareness of current conservation issues with a working in a reputed organization that offers challenges and possibilities, to improve myself, my experience and skills for well-being of the environment, human sustainable development and be a part of such organization where my Knowledge, Research and Technical skill can flourish so as to utilize my maximum potential for the benefit of my organization and for myself.

Working Experience Details

Assistant Professor
Gramgeeta Mahavidyalaya, Chimur
Dist. Chandrapur, Maharashtra.

16.09.2019 to Till Date

- Delivering undergraduate-level lectures in Environmental Science, focusing on key areas such as ecology, biodiversity, pollution control, environmental laws, and sustainable development.
- Developing course materials, practical manuals, and student assessments aligned with university curriculum standards.
- Mentored students in academic projects, seminars, and fieldwork related to local environmental issues and conservation strategies.
- Conducting internal assessments, supervised laboratory sessions, and evaluated practical assignments and theory papers.
- Organized awareness programs, guest lectures, and workshops on environmental conservation, climate change, and waste management in collaboration with local bodies.

- Actively participated in departmental meetings, curriculum planning, and NAAC documentation processes.
- Engaged in continuous professional development through research, participation in faculty development programs, and academic conferences.
- Contributed to community outreach initiatives aimed at promoting environmental awareness in rural and tribal regions.

Functional Area Expert
sd engineering services pvt. ltd.
Aurangabad, Maharashtra.

1.4.2017 to 30.09.2019

- sd engineering services pvt. ltd. is one of the accredited Environmental consultants in Aurangabad, Maharashtra. Providing various services in the field of Engineering and Environment.
- Worked as **Functional Area Expert (FAE)** in the areas of **Air Pollution Monitoring, Prevention and Control (AP)** and **Functional Area Associate** in the areas of **Ecology and Biodiversity (EB)** and **Air Quality Modelling (AQ)** for **EIA projects**.
- Engaged in the preparation of PFR, project proposal, EIA/EMP reports.
- Visiting the project locations, preparing the check list for monitoring pertaining to Air, water, wastewater, soil, noise and biological Environment.
- Going for monitoring with the Laboratory people for supervision and for helping them in monitoring for Baseline Data collection.
- Deals with Data compilation and report making for respective projects.
- Assisting FAEs for data collection and report making for AQ and EB areas.
- Assisting ECs in report making, in preparation of technical presentation for MoEF&CC and SPCB for environmental clearance of projects.
- Attending and defending the technical Presentation at MoEF&CC and SPCB along with ECs and FAEs.

Technical Officer
SMS Envocare Ltd.
Nagpur, Maharashtra.

1.2.2016 to 24.03.2017

- SMS Envocare Ltd. is one of the prominent Environment management Company. Company is dealing with the mainly with CETP, BMW, ETP, STP, Consultancy Business and AMC for different companies for annual Environmental Monitoring, etc.
- I engaged for AMC for ACC Jamul Cement Works, Bhilai, CG. I engaged with the annual Environmental Monitoring for ACC Jamul Cement Works.

- Collection of samples related to Air, Water, Wastewater and Soil. Analysis were also been done at the site itself.
- Preparation of monthly monitoring report and submitting the same to the authority.
- Also engaged in preparation of EC Compliance Report, CTO Compliance Report for the same.

Functional Area Expert
Mantras Green Resources Ltd.
Nasik, Maharashtra.

5.2.2015 to 16.1.2016

- Mantras Green Resources Ltd. is one of the accredited Environmental consultants in Nasik, Maharashtra. Providing various services in the field of Engineering and Environment. It mainly deals with the EIA, erection-commissioning of STP and ETP and AMC for the same.
- I engaged as Functional Area Expert in the **Air Pollution Monitoring, Prevention and Control (AP)** and Functional Area Associate in the areas of **Ecology and Biodiversity (EB)** and **Air Quality Modelling (AQ)** for **EIA projects**. (NABET Minutes of Meeting No. 137 and SAAC 117)
- Engaged in the preparation of DPR, project proposal and discussed those same with client.
- Visiting the project locations, preparing the check list for monitoring pertaining to Air, Water, Soil, Noise, Wastewater and biological Environment.
- Going for monitoring with the Laboratory people for supervision and for helping them in monitoring for Baseline Data collection.
- Deals with Data compilation and report preparation for respective projects.
- Assisting ECs for data collection and report preparation for AQ and EB areas.
- Assisting ECs in report preparation, in preparation of technical presentation for MoEF&CC and SPCB for project clearance.
- Going with ECs to attending and defending the technical Presentations at MoEF&CC and SPCB.

Project Assistant - III
EIRA Division, NEERI

01.01.2013 to 31.12.2014
Nagpur, Maharashtra

- Deals with the Environmental Monitoring for different EIA/EMP Projects.
- Visited the project sites and doing the Air Monitoring, Noise Monitoring, Water and Wastewater, Land Environment, Biological Environment for complete one season and three seasons.
- Collection of Soil, Water and Wastewater sample for analysis and preparation of Baseline Data.
- Analyzing the collected samples in laboratory for soil, water, wastewater and air component.
- Assisting scientist in report preparation, technical presentation.

- Deals with the Environmental Monitoring for different EIA/EMP Projects.
- Visited the project sites and doing the Air Monitoring, Noise Monitoring, Water and Wastewater, Land Environment, Biological Environment for complete one season and three seasons.
- Collection of Soil, Water and Wastewater sample for analysis and preparation of Baseline Data.
- Analyzing the collected samples in laboratory for soil, water, wastewater and air component.
- Assisting scientist in report preparation, technical presentation.

Academic Credentials

Degree/Std	University/Board	Year of passing	Division	Subjects
Ph.D.	Gondwana University, Gadchiroli	Pursuing	-	-
MH-SET	UGC	2016	-	Environmental Science
M.Sc.	Dr. B.A.M.U. Aurangabad	2010	I	Environmental Science
Certificate Course	Shri Shivaji Science College, Amravati.	2006-07	I	Modern Horticulture and Landscaping
B.Sc.	S.G.B.A.U, Amravati.	2008	II	Chem. Bot. Env.Sci.
HSSC	Maharashtra state board	2005	II	Eng, Hin, Phy, Chem, Bio, Geography
SSC	Maharashtra state board	2002	II	Eng, Mar, Hin, Sansk., Maths, Sci, Social Sci.,

Academic Projects

1. **Organization:** Deogiri college, Aurangabad

Title: Effect of Heavy Metal Contaminated Soil on Seed Germination and Plant Growth.

Duration: 6 months

Deliverables: Identified the contaminants present in the soil samples and analyzed their effects on seed germination and plant growth by using both petri plate and pot culture methods. Also carried out a comparative study of selected physico-chemical parameters of contaminated and control soil samples.

Papers Published

1. Assessment of air quality around the thermal power plant area, Chandrapur, Maharashtra, India, Environment Conservation Journal (2024)
2. Ambient air quality monitoring of Chandrapur District, Central India, Environment Conservation Journal (2024)
3. Role of People in Green Building Development in Wardha, Vidarbha Region, India, International Journal Of Researches In Biosciences, Agriculture And Technology (2023).
4. "Self-refinement of Erai River in district Chandrapur, Maharashtra, India", published in *International Journal of Environmental and Ecology Research*, (2022).
5. "Biodiversity of Plants in Lohara Forest, Chandrapur, Vidarbha Region, India" published in *"International Journal of Researches in Biosciences, Agriculture and Technology"* (2021).
6. "Junona Reserve Forest, Chandrapur, Vidarbha Region, India: A Biodiversity Study" published in *"Journal of Critical Reviews"* (2020).
7. "Evaluation of Ground Water Quality of Chandrapur City, Vidarbha Region, Central India" published in *"Vidyabharati International Interdisciplinary Research Journal"* (2020). (UGC Care Listed)
8. "Ambient Air Quality Monitoring Study around the Industrial Areas of Aurangabad, Maharashtra, India" published in *"International Research Journal of Science and Engineering"* (2020).
9. "Assessment of Heavy Metals In Chhatri Talao, District Amravati, India During Festival Season" published in *Journal of Environmental Research and Development* (2015) (Impact Factor-4.301)
10. "Assessment of Hazardous and Non-Hazardous Status of Solid Waste Generated at ETP of Bromine Plant for Its Potential Use" published in *"Universal Journal of Environmental Research & Technology"* (2013).

11. “Impact of Domestic Wastewater Irrigation on Soil Properties and Crop Yield” published in *“International Journal of Scientific and Research Publications”* (2012). (Impact Factor-2.07)
12. Impact of Industrial Effluent Discharge on Physico-chemical Characteristics of Agricultural Soil, published in *“International Research Journal of Environmental Sciences”* (2012). (Impact Factor-2.07)
13. “Air Quality Monitoring Study of Industrial Areas of Gujarat, India”, published in *“Bionano Frontier” special issue*, (2012).(Impact Factor-4.856)
14. “Study of Heavy Metal in Soil under Amravati Municipal Jurisdiction, Maharashtra (India)” published in *Asian Journal of Experimental Sciences*, (2012).
15. “Assessment of Heavy Metal Contaminated Soil near Coal mining area in Gujarat by Toxicity Characteristics Leaching Procedure” published in *International Journal of Life Sciences Biotechnology and Pharma Research*, (2012).

Papers Presented

- Presented paper on “Assessment of Heavy Metals in Chhatri Talao, District Amravati” in International Congress and Environmental Research 2014.
- Presented poster on “Tracer studies for selecting outfall location for Effluent discharge” in International conference on EIA and Integrated Approach for Carbon Management Solutions, Technology Development and Pollution Abatement, organized by CSIR-NEERI, Nagpur.
- Presented poster at National Level Seminar on Emerging Trends in Biodiversity and Environment. Organized by Institute of Science, Aurangabad.
- Presented poster on Phytoremediation of Heavy Metal Contaminated Soil and Water: A Unique Pretreatment Method in 2nd International Conference on Green Energy for Sustainable Development – 2020 organised by Government Polytechnic, Nagpur.
- Presented poster on Environmental Challenges in Modern Scenario at Interdisciplinary National Conference on Biodiversity and Wildlife Conservation Through Tribes of India, organized by Dr. Ambedkar College of Arts, Commerce and Science, Chandrapur.
- Presented poster on Assessment of physicochemical parameters of Bor Dam, Mouje-Angoda in Amravati District, Maharashtra, India, at National Conference on Advances in Biodiversity Conservation and Sustainable Development: Educational and Scientific Research Perspective, organized by Shri Shivaji Science College, Amravati.

- Paper presented on Activated Carbon prepared from animal waste as environmentally efficient adsorbent and Sustainable Material for several different treatment application at International Symposium XLVI All India Botanical Conference of the Indian Botanical Society on Synergy in Plant Science and Sustainable Future (SPSSF-23), organized by Department of Botany, Sant Gadge Baba Amravati University, Amravati.
- Presented poster on, A Study of Physico-Chemical Characteristics of Water from Bor Dam, Amravati to Determine its Suitability for Drinking Purposes at International Multidisciplinary Conference on Environmental Challenges in Global Scenario, organized by Dr. Ambedkar College of Arts, Commerce and Science, Chandrapur.
- Presented poster on, A study on Implications of Vehicular Pollution on Environment and Human Health at National Seminar on Recent Trends In Biological Sciences – 2024 organized by Gramgeeta Mahavidyalaya, Chimur.
- Presented paper on A Investigation of Activated Carbon Produced from Animal Waste for Sustainable Application at National Conference on Frontiers in Science and Technology-2024 organized by Mahatma Gandhi College of Science, Gadchandur.
- Presented paper on Modern Improvements in the Preparation and Regeneration of Activated Carbons by Microwave Induced Technology at National Conference on Recent Multi-Disciplinary Advances in Research and Conservation organized by Gramgeeta Mahavidyalaya, Chimur.

Technical Proficiency

- Worked as **Functional Area Expert** pertaining to Air Pollution Monitoring, Prevention and Control (**AP**), Meteorology, Air Quality Modeling and Prediction (**AQ**), Ecology & Biodiversity (**EB**).
- **Involved in preparation of EIA/EMP reports** for different sectors for reputed industries.
- **Project presented and defended** at EAC/SEAC/PCBs for environmental clearance.
- **Project discussions / review meetings / project presentations** at various levels in MoEF&CC, SEAC, Pollution Control Boards, Project proponent and Project sponsoring agencies.
- **Air Quality Monitoring and Analysis** (i.e. SO₂ and NO_x, NH₃, SPM and RSPM, Heavy Metals, Benzo (a) pyrene, PAH, Ozone, CO) for different EIA/EMP Projects.
- **Assessment and Monitoring of Water and Wastewater Quality** during different EIA/EMP Projects as per BIS and APHA for different physico-chemical parameters.

- Preparation of **Project reports** pertaining to air, water, waste water quality monitoring and analysis for various EIA projects of well repute.
- **Stack Monitoring and Analysis.**
- Hands of **AERMOD** Software for Air Quality Monitoring

Names of Projects involved for preparation of EIA/EMP reports

- Environmental Impact and Risk Assessment for Proposed Expansion at Dahej Manufacturing Division, Dahej (Reliance Industries Limited, Post Dahej, Dist. Bharuch, Gujarat). **Cat. A**
- Environmental Impact Assessment for Proposed Installation of Surat Lignite Power Project (SLPP) Station-II, 2x300 MW Lignite Based Thermal Power Project at Village Karagara, Tah. Mangrol, District Surat, Gujarat (GIPCL). **Cat. A.**
- Environmental Impact Assessment for Proposed (2MTPA) Baradwar Dolomite Mine in Dist. Janjgir Champa, Chhattisgarh. **Cat. A.**
- Environmental Impact Assessment and Risk Assessment for Bhatinda - Jammu Natural Gas Pipeline Project by GSPL India GASNET Limited, Gandhinagar. **Cat. A.**
- Environmental Impact and Risk Assessment Studies for Proposed Grass-root Refinery with Petrochemical Complex at Pachpadra, Barmer, Rajasthan by M/s Hindustan Petroleum Corporation Limited (HPCL), Mumbai. **Cat. A.**
- Proposed Expansion of Sugar from 4500 TCD to 7500 TCD, Co-Generation from 14.5 to 40 MW & Proposed New Distillery of 100 KLPD of Twentyone Sugars Ltd. Latur. **Cat. A.**
- Expansion of 4928MT/A of Derivatives of Natural Vitamin E Products for M/s Matrix Fine Science Pvt. Ltd. Aurangabad. **Cat. A.**
- Expansion of 2600 MT/Month of DC Grade Products and 1570.8 MT/Month of API Grade Products for M/s Sohan Healthcare Pvt. Ltd. **Cat. B.**
- Environmental Clearance for proposed expansion of John Distillery from 50 KLPD to 150 KLPD i.e 100 KLPD expansion at Post Chitali, Taluka- Rahata, Dist- Ahmednagar. **Cat. A.**

Instrument Handled:

- ICP-OES
- Spectrophotometer
- Flame Photometer
- Gas Chromatography(GC)
- Atomic Absorption Spectrophotometer
- Respirable Dust Samplers
- Fine Particulate Samplers

Workshops/Seminars/Symposia

- Attended National Level Seminar on Environmental Pollution and Remedies. Organized by Dept. of Environmental Science, Deogiri College, Aurangabad.
- Attended the workshop on “Integrated Lake Basin Management of Nath Sagar Reservoir, Aurangabad.
- Attended National conference on Climate Change and its Consequences, organized by Department of Botany and Zoology Bhartiya Mahavidyalaya, Amravati.
- Attended National Level Seminar on “Emerging Trends in Biodiversity and Environment” Organized by Institute of Science, Aurangabad.
- Completed Implant Training on ETP of Vasudhara Dairy, MIDC, Nagpur.

Extracurricular Activities

- Participated and secured 1st position in Quiz competition organized by Melghat Tiger Project and PG Dept. of Zoology, S.G.B.A.U, in 2006.
- Participated in model competition in AVISHKAR-2006, S.G.B.A.U.

IT Forte

- Air dispersion modeling using ISCST-3 model
- Hands on experience of MS software.

Personal Dossier

Name : Vivek Surendra Manik
Father's Name : Surendra R. Manik
Mother's Name : Rupali S. Manik
Date of Birth : 11th January 1987
Languages known : English, Hindi, Marathi
Permanent Address : Satsang, 4-A, Yogiraj Nagar
Tapovan Camp Amravati- 444602,
Tal: Amravati Dist: Amravati
(Maharashtra)- India
Nationality : Indian
Sex : Male

Declaration

The above information, to the best of my knowledge, is correct and true.

Date:

Place: Chimur

Name: Vivek S. Manik