PROFILE

Name	Mrs.Hemlata Padmakar Jambhulkar
Designation	Prin. Tech.Off. / Tech.Off.Grp III(7)
Qualification	BSc. (1987) [Microbiology, Botany and Chemistry] MSc (1989) [Chemistry]
Experience (in years)	34 years experience
Expertise (for e.g.: Water, Waste, Energy, Business Development etc.)	• Remediation of metal contaminated soil • Phytoremediation of mine spoil overburden dumps and fly ash dumps • Bioaccumulation of heavy metals by different plant species grown on fly ash dump • Terrestrial carbon sequestration & mitigation through afforestation • Management of domestic wastewater through constructed wetland • Wastewater management through land treatment • NABET accreditated FAE in Soil Conservation (SC) and Water Pollution Monitoring, Prevention & Control (WP), • EIA studies with respect to Thermal power plants sector and River valley sector
Publications (in Nos.)	1) Asha Juwarkar, Ashok Juwarkar, Sarita Mowade, **Hemlata Jambhulkar**, Anjali Shrivastava, Atul Kulkarni, Pranjali Amte and Purushottam Khanna. Role of biofertilizer in Reclamation of manganese mine spoil dumps. *Biofertilizer*

	Newsletter. July and December, 1998, 5 (1, 2): 18 -24. 2) A.A. Juwarkar, A.B. Kulkarni, **H.P. Jambhulkar** and P. Khanna. Reclamation of mine spoil dump through an integrated biotechnological approach, NEERI's experience. MEGA EVENT organized by Ministry of Steel and Mines 6-8 Aug 1998: *Indian Mineral Industry – A perspective*, pp. 297-307. 3) A. A. Juwarkar and **H.P. Jambhulkar.** Restoration of fly ash dump through biological interventions. *Environmental Monitoring and Assessment* Volume 139, No.1-3, April 2008 pp.no.355 -365. 4) A.A. Juwarkar and **H. P. Jambhulkar** Phytoremediation of coal mine spoil dump through Integrated Biotechnological Approach. *Bioresource Technology*.Vol.99 /11, Oct.; 2008 pp.4732 - 4741. 5) **Hemlata P. Jambhulkar** & Asha A. Juwarkar. Assessment of bioaccumulation of heavy metals by different plant species grown on fly ash dump. *Ecotoxicology and Environmental Safety.* (2009). Vol.72, pp.1122-1128. 6) Asha Ashok Juwarkar, Lal Singh, S.K. Singh, **Hemlata P. Jambhulkar,** Prashant R. Thawale and Harsha Kanfade. Natural vs. reclaimed forests on manganese mine spoil at Gumgaon, Nagpur, India - a case study of successional change, reclamation technique and phytodiversity. *International journal of Mining, Reclamation and Environment* (2014). Volume 29, Issue 6 Pp. No 476-498. 7) Juwarkar AA, Singh L, Kumar GP, **Jambhulkar H P**, Kanfade H & Jha A K. Biodiversity Promotion in Restored mine land through plant animal interaction. *Journal of Ecosystem & Ecography.* (2016).Volume 6, Issue 1, Pp.No.1-10 8) **Hemlata P. Jambhulkar,** Siratun Montaha .S Shaikh and M Suresh Kumar. Fly ash toxicity, emerging issues and possible implications for its exploitation in agriculture; Indian scenario: A review *Chemosphere* (2018). Vol.213, December 2018 pp 333-344 9) **Hemlata P. Jambhulkar** & M Suresh Kumar (2019). Eco restoration approach for mine spoil overburden dump through biotechnological route. *Environmental Monitoring and Assessment* Nov.2019, 191-772 10) **Hemlata P Jambhulkar.** (2023).Beneficial & adverse impacts of fly ash amelioration on soil health; A review. *Journal of Indian Association for Environmental Management* Oct. 2023, Vol.43, No.3, pp. 01- 08.
Patents	

	Nil
Honors & Awards (If any)	Selected by the Association for Overseas Technical Scholarship, Tokyo, Japan to participate in the training course on **"Industry and Environment Protection for India."** Organized jointly by Association for Overseas Technical Scholarship (AOTS) and New Energy Development Organization (NEDO) Tokyo, Japan during October 30 to November 17, 2000.
Research Scholars (in Nos.)	Nil