

PROFILE

Name	Dr. Mamta Prakash
Designation	Principal Technical Officer
Qualification	Ph. D, Science (<i>Botany</i>), M.Sc (<i>Botany</i>), B.Sc
Experience (in years)	34 years (Service)
Expertise (for e.g.: Water, Waste, Energy, Business Development etc.)	Air quality monitoring, Soil Quality assessment and Environmental studies related to Plant Sciences.
Publications (in Nos.)	12 Nos (List attached)
Patents	—
Honors & Awards (If any)	<ul style="list-style-type: none"> Received Best Oral Presentation award for the paper "Assessment of Heavy metals and potential health risk through consumption of vegetables grown in the flood plains of river Yamuna in Delhi." Mamta Prakash., Rashmi Misra., Priyanka Saxena., S.K. Goyal. Paper presented at 5th International Conference on "Sustainable natural resource management under global climate change 2023 , Nov 7-10 at NASC complex, New Delhi. Received Excellent paper award for the paper presented at 5th Icon SWM 2015, Nov 25-27 at IISc, Bengaluru, Karnataka, India Recognized as FAE as per NABET –QCI, for Soil conservation (SC- Category A) Ecology and Biodiversity (EB-Category A)
Research Scholars (in Nos.)	Supervised M.Sc/M.Tech Dissertation- 6 Nos.

List of Published Papers

- Srivastava, Anjali, A. E. Joseph, S. Patil, A. More, R. C. Dixit, and **M. Prakash**. "Air toxics in ambient air of Delhi." *Atmospheric Environment* 39, no. 1 (2005): 59-71.
- **Mamta Prakash** and Bassin JK (2010). Analysis of Ambient Air Quality using Air Quality Index – A Case study. *Intl. Journ. Of Advanced Engineering Technology* Vol.I, Issue II (2010)/106-114.
- **Mamta Prakash** and JK Bassin. (2010). Assessment of Air Quality in Delhi city using Air Quality Indices. *Intl Journ. of Envir. Polln. Control & Management*, Vol.2 No.1, p 11-21, Jan-Jun 2010; pp 11-21.
- Papiya Mandal, **Mamta Prakash**, M.K. Chaturvedi, R.K. Gupta, J.K. Bassin "Status of ambient air quality at municipal solid waste composting plant in Delhi, India" *A Glance at the World / Waste Management* 31 (2011) 2361–2364.
- Mandal, Papiya, **Mamta Prakash**, and Jagdish Kumar Bassin. "Impact of Diwali celebrations on urban air and noise quality in Delhi City, India." *Environmental monitoring and assessment* 184 (2012): 209-215.
- **Prakash, Mamta**, Papiya Mandal, M. K. Chaturvedi, and Anjali Srivastava. "Assessment of ambient air quality in the surrounding area of compost plant, Delhi, India." *Malaysian Journal of Science* 36, no. 2 (2017): 53-62.
- Gupta, Urvashi, Raman Sharma, **Mamta Prakash**, Priyanka Saxena, S. K. Sharma, and S. K. Goyal. "Phytoremediation of a few heavy metals from waste water by *Canna indica* and *Cyperus* species." *Perspectives on Biodiversity of India* (2020) International Biodiversity Congress ISBN: 978-81-937930-6-0 Published by CISSA. Vol.IV; Page 519-523.
- **Mamta Prakash**, Ankita Sharma, Parul Badalia and Goyal, S.K "Comparative assessment of air pollution tolerance index of selected plant species at two different locations in Delhi" *Perspectives on Biodiversity of India* (2020) International Biodiversity Congress ISBN: 978-81-937930-6-0 Published by CISSA. Vol.IV; Page 464-469.
- Gulia, Sunil, Prachi Goyal, **Mamta Prakash**, S. K. Goyal, and Rakesh Kumar. "Policy interventions and their impact on air quality in Delhi city—an analysis of 17 Years of data." *Water, Air, & Soil Pollution* 232, no. 11 (2021): 465.
- Daulta, R., **M. Prakash**, and S. Goyal. "Metal content in soils of Northern India and crop response: a review." *International Journal of Environmental Science and Technology* 20, no. 4 (2023): 4521-4548.
- Sharma, Raman, Priyanka Saxena, **Mamta Prakash**, and S. K. Goyal. "Assessment of Heavy Metals in the Sediments of Delhi Stretch of River Yamuna, India: Impact of Wastewater Discharge." *Journal of The Institution of Engineers (India): Series A* 105, no. 4 (2024): 1041-1057.
- Gupta, Urvashi, **Mamta Prakash**, Raman Sharma, Satish Kumar Sharma, and Sanjeev Kumar Goyal. "Phytoremediation of Wastewater Using Water Hyacinth (*E. crassipes*) in a Hydroponic System." *Environmental Claims Journal* (2025): 1-20.