CURRICULUM VITAE

Dr. Lakhvinder Singh (Ph. D.)

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E-Mail: lakhvinder16@gmail.com

Mobile: 9466885605

❖ ***ACADEMICS***

Degree	Subject(s)	Institution	Awarded/ Complete
Doctor of Philosophy (Ph. D.)	Environmental Science	Guru Jambheshwar University of Sci. & Technology, Hisar, India	Feb. 2010
Master of Science (M. Sc.)	Environmental Science	Guru Jambheshwar University of Sci. & Technology, Hisar, India	July 2003
Bachelor of Science (B. Sc.)	Chemistry, Botany, Zoology	K.U. Kurukshetra, India	July 2001

❖ *RESEARCH PUBLICATIONS IN PEER REVIEWED JOURNALS:*

1. Praveen Sharma, Lakhvinder Singh and Neeraj Dilbaghi (2009). Response Surface Methodological Approach for the Biodegradation of Simulated Dye Effluent using *Aspergillus fumigatus fresenius. Journal of Hazardous Materials*, 161, 1081–1086. (ISSN: 0304-3894) (Elsevier) Impact Factor: 9.038. Indexed in SCOPUS.
2. Praveen Sharma, Lakhvinder Singh and Neeraj Dilbaghi (2009). Optimization of Process Variables for Decolorization of Disperse Yellow 211 by *Bacillus subtilis* using Box-Behenken Design. *Journal of Hazardous Materials*, 164, 1024-1029. (ISSN: 0304-3894) (Elsevier) Impact Factor: 9.038. Indexed in SCOPUS.

3. Praveen Sharma, Lakhvinder Singh and Neeraj Dilbaghi (2009). Biodegradation of Orange II Dye by *Phanerochaete chrysosporium* in Simulated Wastewater. *Journal of Scientific and Industrial Research*68, 157-161. *,(* ISSN: 0975-1084)*)* (NISCAIR) Impact Factor: 0.729. Indexed in SCOPUS.

4. Praveen Sharma, Lakhvinder Singh and Jyoti Mehta (2010). COD reduction and color removal of simulated textile mill wastewater by bacterial consortium. *Rasayan Journal of Chemistry*, 3, 731-735. (ISSN: 0976-0083)

5. Lakhvinder Singh, A. R. Pavankumar, L. Ramanathan and Gunartna KR (2011) Effective removal of Cu^{2+} from simulated aqueous medium using alginate as biosorbent. *Ecological Engineering*, 38, 119-124. (ISSN: 0925-8574) (Elsevier) Impact Factor: 3.512. Indexed in SCOPUS.

6. Praveen Sharma and Lakhvinder Singh (2011). Application of response surface analysis for biodegradation of azo reactive textile dye using *Aspergillus foetidus. Journal of Basic Microbiology*, 51, 1–10. (ISSN: 1521-4028) (Wiley Online library) Impact Factor: 1.909. Indexed in SCOPUS.

7. A. K. Yadav, Lakhvinder Singh, A. Mohanty, S. Satya & T.R. Sreekrishnan (2012). Removal of various pollutants from wastewater by electrocoagulation using iron and aluminium electrode. *Desalination and Water Treatment*, 46, 352-358. (ISSN 1944-3994). (Taylor & Francis Online) Impact Factor: 1.320. Indexed in SCOPUS.

8. A. R. Pavankumar, Johan Norén, Lakhvinder Singh, Naveen K. C. Gowda (2014). Scaling-up the production of recombinant Moringa oleifera coagulant protein for large-scale water treatment applications. *RSC Advances*, 4, 7136-7141. (ISSN · 2046-2069) (Royal Society of Chemistry) Impact Factor: 3.119. Indexed in SCOPUS.

9. Lakhvinder Singh, P. Sharma, A. R. Pavankumar (2014). Elimination of chemical oxygen demand and decolorization of textile industrial effluent by an indigenous fungal species Aspergillus foetidus. *CLEAN, Soil, Air, and Water*, 43, 456-461 (ISSN: 1863-0669) (Wiley online library) Impact Factor: 1.580. Indexed in SCOPUS.

10. A R Pavankumar, Lakhvinder Singh (2014). Identification of Moringa oleifera protein responsible for the decolorization and pesticide removal from drinking water - An in silico and in situ evaluation. *Journal of Chemical Technology & Biotechnology*, 90, 1521-1526. (ISSN: 1097-4660) (Wiley online library). Impact Factor: 2.75. Indexed in SCOPUS.

11. Rekha Rani, Summaiya, Anju Malik, Vinod Kumar Garg, Lakhvinder Singh, Sanju Bala Dhull (2021). Optimization of Swiss blue dye removal by cotton boll activated carbon: Response surface methodological approach. *Toxin Reviews (Taylor & Francis Online). Accepted for Publication, 04 January 2021.* Impact Factor: 3.420. Indexed in SCOPUS.

12. Manmohan Lal, Praveen Sharma, Lakhvinder Singh, Chhotu Ram (2023), Photocatalytic degradation of hazardous Rhodamine B dye using sol-gel mediated ultrasonic hydrothermal synthesized of ZnO nanoparticles, Results in Engineering, Volume 17 (Elsevier)

13. Pallavi Punia, Lakhvinder Singh (2024), Optimization of alkali pre-treatment of sweet sorghum [Sorghum bicolor (L.) Moench] residue to improve enzymatic hydrolysis for

fermentable sugars. Waste Management Bulletin, Volume 2, Issue 1, Pages 131-141, (Elsevier)

- GOOGLE SCHOLAR CITATIONS: 680
- GOOGLE SCHOLAR H Index: 09

❖ ***REVIEWER SCIENTIFIC JOURNALS***

Bioresource Technology, Journal of Hazardous Materials, Environmental Monitoring and Assessment, Ecological Engineering Journal, Food Analytical Methods, International Biodeterioration & Biodegradation, Water Science and Technology, Biodegradation, Chemical Engineering Journal, Desalination and Water Treatment.

❖ ***TECHNICAL SKILLS***

1. Planning and writing quality scientific proposals to various funding agencies.

2. Ability to conduct independent as well as team work research and guiding scholars.

3. Excellent scientific skills for the treatment of Waste Water, Soil and Industrial Effluents.

4. Handling and operational knowledge of various scientific instruments and techniques.

❖ ***PERSONAL DETAIL***

Date of birth: 1st August 1980

Place of birth: Sirsa, Haryana,

India.

Nationality : Indian

Gender : Male

Language skills: English, Hindi, Punjabi

Marital status: Married

Permanent Address:

S/o. S. Kehar Singh Thind,

PO. Nezadela Kalan,

Distt. Sirsa-125055, Haryana, India