

Prof. Dr. Firdaus-e-Bareen

Last five years publications:

1. Shafiq M. and **Firdaus-e-Bareen**. 2012. Effects of rice straw compost on phytoremediation- repercussions over time. **Journal of Solid Waste Technology and Management 38: (in press)**.
2. **Firdaus-e-Bareen**. 2011. The role of environmental variables in the distribution pattern of aquatic hyphomycetes in a semi-tropical canal water habitat. **Biological Diversity and Conservation 4: 1-14**.
3. **Firdaus-e-Bareen**, Nazir, A. and Ahmad, S. 2011. Role of live autochthonous fungi in removing toxic metals from tannery and textile effluents. **African Journal of Biotechnology 10: 6072-6081 (I.F. 0.573)**
4. Nazir, A. and **Firdaus-e-Bareen**. 2011. Synergistic effect of *Glomus fasciculatum* and *Trichoderma pseudokoningii* on *Heliathus annuus* to decontaminate tannery sludge from toxic metals. **African Journal of Biotechnology 10: 4612-4618. (I.F. 0.573)**
5. **Firdaus-e-Bareen** and Tahira, S.A. 2011. Metal accumulation potential of wild plants in tannery effluent contaminated soil of Kasur, Pakistan: Field trials for toxic metal cleanup using *Suaeda fruticosa*. **Journal of Hazardous Materials 186: 443-450. (I.F. 4.144)**
6. **Firdaus-e-Bareen** and Nazir, A. 2010. Metal decontamination of Tannery Solid Waste using *Tagetes patula* in association with saprobic and mycorrhizal fungi. **The Environmentalist 30: 45-53**
7. **Firdaus-e-Bareen** and Tahira, S.A. 2010. Efficiency of seven cultivated plant species for phytoextraction of toxic metals from tannery effluent contaminated soil using EDTA. **Soil and Sediment Contamination 19: 160-173 (I.F. 0.881)**
8. Arshad M. and **Firdaus-e-Bareen**. 2009. Ecological studies of aquatic hyphomycetes in a canal and its connecting irrigation channels. **Biological Diversity and Conservation 2: 99-106**.
9. Khilji S. and **Firdaus-e-Bareen**. 2008. Rhizofiltration of heavy metals from the tannery sludge by the anchored hydrophyte, *Hydrocotyle umbellata* L. **African Journal of Biotechnology 7: 3714-3720. (I.F. 0.547)**
10. **Firdaus-e-Bareen** and Khilji, S. 2008. Bioaccumulation of metals from tannery sludge by *Typha angustifolia* L. **African Journal of Biotechnology 7: 3314-3320 (I.F. 0.547)**
11. Arshad M. and **Firdaus-e-Bareen**. 2008. Colonization pattern of aquatic hyphomycetes on persistent substrata in some irrigation channels of Lahore. **Mycopath 5: 65-70**.
12. Nazir, A. and **Firdaus-e-Bareen**. 2008. Role of *Helianthus annuus* L. and associated rhizosphere fungi in uptake of heavy metals from tannery solid waste amended soil. **Pakistan Journal of Phytopathology, 20: 88-97**
13. Nazir, A. and **Firdaus-e-Bareen**. 2008. Phytoextraction of heavy metals from tannery solid waste amended soil using *Spinacia oleracea* L. and associated rhizosphere fungi. In: **Proceedings of the 1st International Seminar on Medicinal Plants, Isolation and Applications (ISMP-2008)** held in May 21-23, 2008 (Naeem, I ed.) 92-100 pp.
14. Nazir, A. and **Firdaus-e-Bareen**. 2008. Tannery waste: a potential environmental risk. In: **Proceedings of the 1st International Conference on Role of Chemistry for Environmental Preservation (RCEP 2008)** held on June 14, 2008. (Hussain, M. ed.) 38-43 pp.
15. Khilji, S. and **Firdaus-e-Bareen**. 2008. Bioremediation potential of two hydrophytes for cleaning the toxic tannery sludge. In: **Proceedings of the 1st International Conference on Role of Chemistry for Environmental Preservation (RCEP 2008)** held on June 14, 2008. (Hussain, M. ed.) 71-78 pp.

Book Chapters:

Firdaus-e-Bareen. 2012. Chelate assisted phytoextraction in the oilseed *Brassicas*. In: Anjum N. A., Ahmad I., Pereira M. E., Duarte A. C., Umar S., Khan N. A. (Eds.) **The Plant Family Brassicaceae: Contribution Towards Phytoremediation.** Environmental Pollution Book Series, Vol. No. 21, Springer, Dordrecht, The Netherlands. 289-311 pp.