

DR. MUHAMMAD FAISAL

PUBLICATIONS

A) Research Papers

1.	Faisal, M and Hasnain, S. 1999. Gram-negative rod shaped bacteria exhibiting high level Resistance to Chromium. Proceeding Pakistan Congress of Zoology , 19: 121-132.	Pak
2.	Faisal, M and Hasnain, S. 2001. Reduction of Toxic Hexavalent Chromium by Bacterial strains isolated from the effluents of tanneries. Pakistan Journal of Botany , 33 (special issue) 659-672.	Pak
3.	Faisal, M and Hasnain, S. 2002. Bacterial mediated aerobic reduction of toxic Cr (VI) in industrial effluents. Pakistan Journal of Microbiology , 2: 27-32.	Pak
4.	Faisal, M and Hasnain, S. 2003. Synergistic Removal of Cr (VI) by <i>Eichornia crassipes</i> in conjunction with Bacterial Strains. Pakistan Journal Biological Sciences , 6 (3): 264-268.	Pak
5	Faisal, M and Hasnain, S. 2003. Accumulation and Reduction of Cr (VI) in industrial effluent by <i>Bacillus</i> Sp- strain CrM-1. Pakistan Journal of Botany , 35(5): 797-804.	Pak
6	Faisal, M and Hasnain, S. 2004. Bacterial Role in the Reduction of Toxic Cr (VI) in to Cr (III). Chinese Journal of Biotechnology , 20 (5): 774-778.	China
7	Faisal, M and Hasnain, S. 2004. Microbial Conversion of Cr(VI) in to Cr(III) in Industrial Effluent. African Journal of Biotechnology , 3 (11): 610-617.	Africa
8	Faisal, M and Hasnain, S. 2004. Comparative Study of Cr(VI) Reduction in Industrial Effluent by <i>Ochrobactrum intermedium</i> vs. <i>Brevibacterium</i> sp. Biotechnology Letters , 26 (21): 1623-1628.	UK
9.	Faisal, M and Hasnain, S. 2004. Isolation and Characterization of Chromium Resistant Bacteria from Polluted Environment. An International Journal of Earth and Life Sciences , 2 (4): 38-45.	Pak
10	Faisal, M and Hasnain, S. 2005. Chromate Resistant <i>Bacillus cereus</i> improves Sunflower Growth by Reducing the Toxicity of Cr (VI). Journal of Plant Biology , 48(2): 187-194.	Korea
11	Faisal, M and Hasnain, S. 2005. Microbial Cr (VI) reduction concurrently improves <i>Helianthus annuus</i> growth. Biotechnology Letters , 27(13): 943-947.	UK
12	Faisal, M ; Hameed, A and Hasnain, S. 2005. Chromium resistant bacteria and cyanobacteria: Impact on Cr(VI) reduction potential and plant growth. Journal of Industrial Microbiology & Biotechnology , 32(12): 615-621.	USA

13	Faisal, M and Hasnain, S. 2005. Beneficial role of hydrophytes in removing Cr(VI) from wastewater along with bacterial strains. International Journal of Phytoremediation , 7(4): 271-277.	USA
14	Faisal, M and Hasnain, S. 2005. Colonization of <i>Vigna radiata</i> roots by chromium resistant bacterial strains <i>Ochrobactrum intermedium</i> , <i>Bacillus cereus</i> and <i>Brevibacterium</i> sp. Chinese Journal of Applied and Environmental Biology , 11(5): 528-530.	China
15	Faisal, M and Hasnain, S. 2006. Growth stimulatory effects of <i>Bacillus cereus</i> and <i>Ochrobactrum intermedium</i> on <i>Vigna radiata</i> . Letters in Applied Microbiology , 43: 461-466.	UK
16	Faisal, M and Hasnain, S. 2005. Growth improvements of <i>Helianthus annuus</i> by root associated chromium resistant PGPR. Iranian Journal of Biotechnology , 3(4): 114-120.	IRAN
17	Faisal, M and Hasnain, S. 2005. Reduction of mobile Cr(VI) under different environmental conditions. Science International , 27(3): 271-277.	Pak
18	Faisal, M and Hasnain, S. 2006. Colonization of <i>Triticum aestivum</i> and <i>Helianthus annuus</i> roots by chromium resistant bacterial strains <i>Ochrobactrum intermedium</i> , <i>Bacillus cereus</i> and <i>Brevibacterium</i> sp. Journal of Plant Sciences 1(1): 36-41.	USA
19	Faisal, M and Hasnain, S. 2006. Sunflower growth promotion by chromium resistant auxin producing bacterial strains. Journal of Integrative Plant Biology (submitted).	Ireland
20	Faisal, M and Hasnain, S. 2006. Detoxification of Cr(VI) by <i>Bacillus cereus</i> . Research Journal of Microbiology , 1 (1): 45-50.	USA
21	Faisal, M and Hasnain, S. 2006. Plant growth promotion by <i>Brevibacterium</i> under chromium stress. Research Journal of Botany , 1(1): 24-29.	USA
22	Iftikhar, S., Faisal, M and Hasnain, S. 2007. Cytosolic reduction of Toxic Cr(VI) by Microorganism. Research Journal of Environmental Sciences , 1(2): 77-81.	USA
23	Iqbal, U., Mehmood, S., Faisal, M and Hasnain, S. 2007. Chromosomal analysis of girls with short stature and puberty failure. Trends in Medical Research , 2(4): 204-207.	Pak
24	Saira Anwar, Anjum Nasim Sabri, Hazir Rehman, Muhammad Faisal and Shahida Hasnain. 2007. Impact of Temperatures and pH on Soluble Protein Content and Protein Profile of PY79 (Wild Type) and Sporulation Defective Mutant Strains of <i>Bacillus</i> . Research Journal of Microbiology , 2(11): 866-870.	USA
25	Khushi Muhammad, Azra Yasmin, Hazir Rehman, Muhammad Faisal and Shahida Hasnain. 2008. Growth responses of <i>Vigna radiata</i> to arid land bacteria exhibiting antimicrobial activity. Research Journal of Environmental Sciences , 2(2): 139-144.	USA
26	Saima Zaidi, Azra Yasmin, Muhammad Faisal and Shahida Hasnain, 2007. Inoculation effect of bacteria isolated from	Pak

<i>Trianthema partulacastrum</i> , <i>Rumex dentatus</i> , and <i>Coronopus Didymus</i> plants on <i>Vigna radiata</i> seedlings. World Journal of Agricultural Sciences , 3 (6): 796-800.	
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B) Review Articles

27. Faisal, M and Hasnain, S. 2006. Hazardous impact of chromium on environment and its appropriate remediation. Journal of Toxicology and Pharmacology , 1(3): 248-258.	USA
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C) Books Chapters

- 28. Faisal, M** and Hasnain, S. 2006. Chromium Pollution: Remediation Strategies. **ASEAN - Environmental Perspectives**
- 29.** Afrasayab, S; **Faisal, M** and Hasnain, S. 2007. Induction of Salinity Tolerance in Plants through Indigenous Bacteria. **Applications of Biotechnology**

D) Research Articles in Proceedings

- 30. Faisal, M** and Hasnain, S. 2006. Reduction of toxic Cr (VI) by *Bacillus cereus* S-6 isolated from chromium polluted soil. **Brownfield Asia, 2006**, 1-6.