

## LIST OF PUBLICATIONS AND PATENTS BASED ON THESIS WORK

### Papers in refereed Journals and Books

Paknikar, K. M., and J. V. Bhide. 1992. Aerobic reduction and biosorption of chromium by a chromate resistant *Aspergillus* sp. pp. 237-244. *in* : Biohydrometallurgical Technologies Vol II. Proceedings of an International Biohydrometallurgy Symposium, Wyoming, USA. Torma, A. E., M. L. Apel, and C. L. Brierley (eds.). The Minerals, Metals & Materials Society, USA.

Bhide, J. V., P. K. Dhakephalkar and K. M. Paknikar. 1996. Microbiological process for the removal of hexavalent chromium from chromate bearing cooling tower effluent. *Biotechnol. Lett.* 18:667-672.

Dhakephalkar, P. K., J. V. Bhide and K. M. Paknikar. 1996. Plasmid mediated chromate resistance and reduction in *Pseudomonas mendocina* MCM B-180. *Biotechnol. Lett.* 18: (accepted and in press).

### Papers presented in conferences

Chatterjee, D. D., A. N. Bapat, S. K. Bhattacharjya, A. D. Jalgaonkar, K. M. Paknikar and J. V. Bhide. 1996. Biochrome process for the removal of hexavalent chromium from chromium bearing effluent. National Symposium on Recent Trends in Biological Treatment of Industrial Wastes, Pune. pp 12.

### Patents

A method for the removal of chromium, selenium and tellurium from aqueous solutions using microorganisms. (Indian Patent filed with provisional specifications, November 1995).

A non sludge-recycle mode facultative microbial process for reduction of hexavalent chromium bearing effluent into trivalent form and a device therefor. (Indian Patent filed with complete specifications, January 1996).