

OM PRAKASH SHARMA Ph. D.

Postdoctoral Research Fellow

Department of Oceanography

Florida State University

1060 Atomic Way, Building 42, Rm 326

Tallahassee, FL 32306

Email: prakash@ocean.fsu.edu

Prakas1974@gmail.com

Ph. No. : +1,850,574,4399

EDUCATIONAL QUALIFICATION

Ph. D. Microbiology, 2007. University of Delhi, Delhi, India

Dissertation: “Biochemical and molecular characterization of phenanthrene degrading bacteria isolated from polycyclic aromatic hydrocarbons (PAHs) contaminated sites.”

M. S. Microbiology, 2000. Dr. R.M.L. University, Faizabad, India

Dissertation: “Isolation and identification of plant pathogenic bacteria.”

B.S. Botany, Zoology, Chemistry, 1995. Dr. R.M.L. University, Faizabad, India

FELLOWSHIP/AWARDS

- **Senior Research Fellowship of Council of Scientific and Industrial Research (CSIR), Government of India (July-2003 to July -2006).**
- **Junior Research Fellowship of Council of Scientific and Industrial Research (CSIR), Government of India (July- 2001 to July -2003).**
- **Qualified national level Graduate Aptitude Test in Engineering (GATE) with 90 percentile.**
- **Junior Research Fellowship (JRF) of Indian Council of Agricultural Research (ICAR) project from National Botanical Research Institute (NBRI) Lucknow (Jan-2001- June-2001).**

- Qualified for “Visiting fellow positions in Canadian Government Laboratories” under NSERC Scheme.

VISITS

Worked as visiting fellow in the Environmental Biotechnology Department of Ecole Polytechnique Federale de Lausanne (EPFL), Lausanne, Switzerland on “**Microbial Community Profiling by T-RFLP**” (May-2006 to July-2006).

PUBLICATIONS

Research Papers

1. **Prakash O.** and Lal R. (2007). *Pseudomonas delhiensis* sp. nov, from a fly ash dumping site of a thermal power plant. *Int J Syst Evol Microbiol* 57, 527-531.
2. Raina V., Suar M., Singh A., **Prakash O.**, Dadhwal M., Gupta S. K. and Lal R. (2008). Enhanced biodegradation of hexachlorocyclohexane (HCH) in contaminated soil via inoculation of *Sphingobium indicum* B90A. *Biodegradation* 19, 27-40.
3. **Prakash O.** and Lal R. (2006). Description of *Sphingobium fuliginis* sp. nov., a phenanthrene degrading bacterium from fly ash dumping site, and reclassification of *Sphingomonas cloacae* as *Sphingobium cloacae* comb. nov. *Int J Syst Evol Microbiol* 56, 2147-2152.
4. Pal R., Bala S., Dadhwal M., Kumar M., Dhingra G., **Prakash O.**, Prabakaran S. R., Shivaji S., Cullum J., Holliger C. and Lal R. (2005). Hexachlorocyclohexane degrading bacterial strains *Sphingomonas paucimobilis* B90A, UT26 & Sp+, having similar *lin* genes represent three distinct species, *Sphingobium indicum* sp. nov., *Sphingobium japonicum* sp. nov. and *Sphingobium francense* sp. nov. and reclassification of [*Sphingomonas*] *chungbukensis* as *Sphingobium chungbukense* comb. nov. *Int J Syst Evol Microbiol* 55, 1965-1972
5. **Prakash O.**, Suar M., Raina V., Dogra C., Pal R. and Lal R. (2004). Residues of hexachlorocyclohexane isomers from soil and water samples of Delhi and adjoining areas. *Curr. Sci.* 87: 73-77
6. Gupta S. K., Kumari, R., **Prakash, O.** and Lal, R. (2008). *Pseudomonas panipatensis* sp. nov., isolated from an oil-contaminated site. *Int J Syst Evol Microbiol* 58, 1339-1345.
7. Jit S., Dadhwal M., **Prakash O.** and Lal R. (2008). Flavobacterium lindanitolerans sp. nov., isolated from hexachlorocyclohexane-contaminated soil, *Int J Syst Evol Microbiol* 58, 1665-1669.

8. Dadhwal M., Singh A., **Prakash O.**, Gupta S.K., Kumari K., Sharma P., Jit S., Verma M., Holliger C. and Lal R. (2008). Proposal of Biostimulation for Hexachlorocyclohexane (HCH)-Decontamination and Characterization of Culturable Bacterial Community from High-Dose Point HCH-Contaminated Soils. *J. App. Microbiol.* (In press).
9. **Prakash O.**, Jain R. K. and Lal R. (2008). Isolation and Characterization of Phenanthrene Degrading Bacterium, *Pseudomonas aeruginosa* strain Ph-3, From Oil Contaminated Site. *Curr Sci* (Communicated).
10. **Prakash O.**, Gupta S. K., Shsarma P. K., Dureja P., Uniyal P. L. and Lal R. (2008). Isolation and characterization of *Lysobacter* sp. strain B01 with antagonistic activity against broad-spectrum phytopathogenic fungi. (*In preparation*)

Review articles and Proceedings

1. **Prakash, O.**, Verma, M., Kumar, M., Singh, A., Gupta S. K. and Lal R. (2007). Polyphasic Approach: A More Realistic Way of Microbial Classification. **Ind. J. Microbiol.** 47: 98-108.
2. Lal R., Jit S., Verma M., Dadhwal M, Singh A., **Prakash O.**, Sharma P. and Khanna M. (2006). Nanoorganisms: Smallest form of life got smaller!! *Ind J Microbiol* 46, 413.
3. Lal, R., Dadhwal, M., Singh, A., **Prakash, O.** Malhotra, S. and Sharma, P. (2005). Hexachlorocyclohexane (HCH) residues in Indian environment: Problems and solution. **Published in Proceedings of 8th International HCH and pesticide forum, 26-28 May 2005, Sofia, Bulgaria.**
4. Lal, R., Pal, R., Dogra, C., **Prakash, O.**, Malhotra, S., Sharma, P., Suar, M. and Raina V. 2003. Problem Posed by Hexachlorocyclohexane (HCH) Residues in India and Need for Developing Bioremediation Technologies. Published in *Proceedings of International Symposium organized in Punne India.*

Training Courses/Workshops/Symposium/Seminars

Received a three months summer training on “**Isolation and Identification of Plant Pathogenic Bacteria**” from plant pathology division of “**National Botanical Research Institute (NBRI)**, Lucknow, India (**May-1999 to July-1999**).

Participated in CSIR sponsored winter workshop on **“Tool and Techniques of Plant Diversity Assessment, Conservation and Inventorization”** organized by CIMAP Lucknow (16th Jan. 2000 to 4th Feb 2000).

Completed an eleven months project work on **“Biological Control of Plant Diseases”** from **“National Botanical Research Institute (NBRI)**, Lucknow, India (July-2000 to June-2001).

Completed a nine months project work on **“Bioremediation of Nitroaromatic Compounds”** from **Microbial Type Culture Collection (MTCC)** division of **Institute of Microbial Technology**, Chandigarh, India. (July-2001 to April-2002).

Poster presented in International Symposium on **“Utilization of Microbes for the Development of Bioremediation Technologies”** organized at the Department of Zoology, University of Delhi, Delhi. Sponsored by SDC, Switzerland and DBT, India (October 7, 2002 to October 8, 2002).

Poster presented in International Symposium on **“Molecular Toxicology and Environmental Health”** organized by ITRC Lucknow (November 5-8/ 2003).

Poster presented. in 46th AMI (Association of Microbiologist of India) Annual Conference **“Microbiotech 2005”**, organized by Microbiology Department of Osmania University Hyderabad (A.P.).

Poster presented in 47th AMI (Association of Microbiologist of India) Annual Conference 2006, organized by Department of Biotechnology Barkatullah University, Bhopal (M.P.) India.