Curriculum-Vitae
Dr. Hemant J. Purohit

Date of Birth:	February 26, 1961
Present Position:	Head, Environmental Genomics Unit
Address:	National Environmental Engineering Research Institute, Nehru Marg, Nagpur - 440 020 Tel. No.: (+91 712) 22 49883 / 2241974 E. Mail: hemantdrd@hotmail.com, hj_purohit@neeri.res.in

Honors and Award:	Fogarty International Exchange Program Fellowship Visiting Fellow/ Associate Laboratory of Molecular Biology, NINDS, NIH, Bethesda, MD, 20892, USA **January 1989- September1992** Commonwealth Post Doctoral Fellowship Department of Biochemistry, University of Hull, Hull, U.K **September 1987-October 1988**
Papers and Publication:	
Published:	68 papers
Presented in conferences:	142 papers
Invited Lectures:	22
Chapters contributed in books:	6
Sequences in Gene Data Bank:	deposited 1128 bacterial sequences of 550-600bp in NCBI
Patents Filed:	11 patents filed and two US patent granted
Grant –in-Aid R& D Projects:	16 (1993-2006) (Total Grant ~ 7.1 Crore)

Selected recent papers

Atya Kapley, Sumita Prasad, Hemant J Purohit. Changes in microbial diversity in fed-batch reactor operation with wastewater containing nitroaromtic residues, **Bio-resource Technology, in press, 2006**

Pravin Domade, Atya Kapley and Hemant J Purohit. Role of alkB genotype in treatment of wastewater containing hydrocarbons, **Environmental Science and Pollution Research, in press, 2006**

Sweta , Kashyap, R. S., Purohit, H. J., Deopujari, J.Y., Taori, G. M. and Daginawala, H. F. Development of an *in vitro* model to study clot lysis activity of thrombolytic drugs **Thrombosis Journal (BMC), 4: 14, 2006**

Prasad S, Kashyap R. S., Deopujari J.Y., Purohit H.J., Taori G.M., Daginawala H.F. Development of an in vitro model to study clot lysis activity of thrombolytic drugs. **Thromb J. 2006; 4: 14.**

Rani Poonam Kainthla, Rajpal S. Kashyap, Sweta Prasad, Hemant J. Purohit, Giridhar M. Taori and hatim F. Daginawala. Evaluation of Adenosine Deaminase assay for analysis of T-lymphocytes proliferation in vitro. (**In vitro Cellular & developmental biology, In Press**)

Anju V Mudaliar , Rajpal S. Kashyap , Hemant J Purohit, Girdhar M Taori , Hatim F Daginawala, Detection of 65kD heat shock protein in cerebrospinal fluid of tuberculous meningitis patients. **BMC Neurology, Sept 2006. 6:34**

Amit Agarwal, Atya Kapley, Hemant J Purohit. Assessment of Single Nucleotide Polymorphism At IL-1A+4845 And IL-1B+3954 As genetic susceptibility test for chronic periodontitis in maharashtrian ethnicity. **Journal of Periodontology, 77, 1515-1521, 2006**

Kashyap R. S, Karan M Dobos, John T Beilslie, Chandak N.H, Purohit H. J, Taori G M and Daginawala H. F. Demonstration of components of antigen 85 complex in CSF of Tuberculous meningitis patients, **Clinical and Diagnostic Laboratory Immunology, 12, 752-758, 2005**

Bhuvaneswari G, Padmanabhan P, Atya Kapley and Hemant J Purohit. Study on *Staphyloccoccus aureus* strain HPC-250 for associated Antibacterial property. **Current Microbiology, 51, 287-91, 2005**

Aditi Moharikar, Rakesh Kumar, Hemant J Purohit, Microbial population dynamics at effluent treatment plants, J**ournal of Environmental Monitoring, 7, 552 – 558, 2005**

M Liskiewicz, H J Purohit, D V Raje. Relation of residues in the variable regions of 16S rDNA and their relevance to genus specificity. **Lecture Notes in Computer Sciences, 3240, 362-373, 2004**

Hemant. J. Purohit, D. V. Raje, Atya Kapley, P. Padmanabhan and R. N. Singh. Genomics tools in environmental impact assessment. **Environmental Science & Technology, 37, 356A-363A, 2003**

Hemant J Purohit, Dhananjay V Raje, Atya Kapley. Identification of signature and primers specific to genus Pseudomonas using mismatched patterns of 16S rDNA sequences. **BMC Bioinformatics, 4, 19, 2003**

Hemant J. Purohit. Biosensors based on molecular tools for monitoring of organics **Journal of Cleaner Production, 293-301, 2003**

D. V. Raje, H. J. Purohit and R. N. Singh. Distinguishing features of five dominating bacterial groups in bioremediation based on 16S rDNA gene data. **Journal of Computational Biology, 9, 819-829, 2002**

Hemant J Purohit and Atya Kapley. Microbial Quality control of drinking water: PCR as an emerging option. **Trends in Biotechnology, 20, 325-326, 2002**

Atya Kapley, K. Lampel and H. J. Purohit. Rapid Detection of Salmonella in Water Samples by Multiplex PCR. **Water Environment Research, 73, 461-465, 2001**

Atya Kapley and Hemant J. Purohit. Tracking of phenol degrading genotype
Environment Science & Pollution Research, 8, 89-90, 2001

Atya Kapley, K. Lampel and Hemant J. Purohit
Thermocycling steps and optimization of multiplex PCR. **Biotechnology Letters, 22, 1913-1918, 2000**
