

CURRICULUM VITAE

MOHIT ARORA

Final Year Post graduate student
M.Tech. (Environmental Science & Engineering)
Centre for Environmental Science & Engineering
Indian Institute of Technology, Bombay
Mumbai , Maharastra, India.
Mobile: +91 9769574056

Email: mohitarora@iitb.ac.in

ACADEMIC PROFILE:

YEAR	DEGREE/CERTIFICATE	INSTITUTE/SCHOOL	CITY (INDIA)	CGPA/PERCENTAGE
2012-Present	M. Tech (Env. Sci. & Engineering)	Indian Institute of Technology Bombay	Mumbai, India	8.52/10
2008-2012	B.Tech (Biotechnology)	G.B. Pant University of Agriculture & Technology	Pantnagar, Uttarakhand	75.88%, First Class
2005-2007	10+2(Science)	Uttarakhand State Board	Kashipur, Uttarakhand	64.5%, First Class

RESEARCH EXPERIENCE:

02/12/2012 - Present: Research internship on “**Grassroots Innovation Management**” under the supervision of **Padma Shri Prof. Anil K. Gupta**, Indian Institute of Management, Ahmedabad, India, National Innovation Foundation-India and Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI), India.

01/07/2011-10/06/2012: Undergraduate research project on “**Preparation of phytosome using soy flour for incorporating the phytochemicals from *Murraya koenigii* leaves**” under the supervision of **Prof. Anil Kumar**, Head, Department of Molecular Biology & Genetic Engineering, GBPUAT, Pantnagar, India.

01/06/2011-15/08/2011: Summer research internship on “**Cloning, over expression, purification and functional characterization of proteins involved in natural transformation process of *Helicobacter pylori***”, under the guidance of **Prof. D. N. Rao**, Dept. of Biochemistry, Chairman, Division of Biological Sciences, Indian Institute of Science, India.

INDUSTRIAL EXPERIENCE:

01/06/2010 - 15/07/2010: Industrial internship on “**Biogas Production & Biocomposting Using Molasses Spent Wash**” from India Glycols Limited, Uttarakhand, India, having Asia’s largest Distillery & Biogas production plant.

TECNICAL ABILITIES:

- DNA Extraction and Purification
- Protein Extraction
- Plasmid Isolation
- Molecular Cloning & Gene Expression
- PCR
- Site Directed Mutagenesis
- Various System Biology Tools and Bioinformatics Databases
- Animal and bacterial cell culture & Cell line maintenance
- DNA-Protein interaction assays
- Protein quantification
- Elisa
- Blotting
- HPLC, FPLC
- Affinity Chromatography
- Tissue culture using seed/runner/tissue part. Etc
- Electrophoresis

INTERNATIONAL & NATIONAL CONFERENCES:

- **10/06/2013-30/06/2013:** one of the 30 students selected to participate in fully funded **Summer School on Designing Technological Innovations for Eliminating Child Labor**, organized by **National Innovation Foundation, Govt. of India** and **International Labour Organization**.
- **07/12/2012-08/12/2012:** Participated in the **Second International Conference on Creativity and Innovation at Grassroots** organized by **IIM Ahmedabad, India, International Development Research Centre** and **UNESCO**.
- **10/08/2012-12/08/2012:** Participated as an IIT Bombay sponsored candidate for “Harvard US-India initiative 2012 conference” on “**Entrepreneurship and Innovation: Bridging the Gap between Tradition and Modernity**” organized by **Harvard University, U.S.A.** in collaboration with **IIT Bombay**.
- **16/08/2011:** Participated in “**International meeting on Theoretical and Experimental Immunology**” organized by **International Network In Theoretical Immunology** and **IISc Mathematics Initiative** at **Indian Institute of Science, Bangalore, India**.
- **10/02/2011-12/02/2012:** Represented North zone of India at National Elocution on “**Soil, Plant, Animal health for enhanced and sustained agricultural productivity**” at prestigious “**Indian Agricultural Science Congress-2011**” organized by **National Academy of Agricultural Sciences, India**.

ACHIEVEMENTS:

- All India Rank 49 in Graduate Aptitude Test in Engineering (Biotechnology), 2012 organized by Government of India and recipient of Teaching Assistantship.
- University Freeship in Tuition Fee Scholarship for continuous 4 years at G. B. Pant University of Agriculture & Technology, Pantnagar.
- Zonal Representative in “Inter Zonal National Elocution 2011” at ‘X’ Indian Agricultural Science Congress, National Academy of Agricultural Sciences, India, after Runner Prize at “Inter University Zonal Elocution 2011.
- University Representative at “Inter University National Debate 2010” organized by Uttarakhand Technical University, India and “Inter University National Debate 2011” by G.B. Pant University of Agriculture & Technology.
- Intra-university extempore gold medalist in 2009 & 2010.
- Leadership Appreciation Award-2009 & 2010, awarded by University student welfare society, Pantnagar.
- University Appreciation Award-2010 & 2011 for excellent performance at National Level Literary Events at GBPUAT.

MANEGERIAL EXPERIENCE:

- Serving as Overall Coordinator, Institute Students Companion Programme, leading a team of 145 student mentors for mentorship of about 2000 Postgraduate students of IIT Bombay.
- Editorial Board Member, InsIghT, student media body of IIT Bombay.
- Secretary, Seminar affairs, Centre for Environmental Science and Engineering, IIT Bombay.
- Coordinator at Students’ Technical Activities Body; PG Cult 2013, IIT Bombay; Tech Connect, Techfest-2013, IIT Bombay.
- Organizing team member of International Conference on Creativity and Innovation at Grassroots organized by IIM Ahmedabad, India, International Development Research Centre and UNESCO.
- Organizing team member of International Youth Conference on “Youth for Integral Humanism” on the occasion of National Youth Day-2012.
- Coordinator of Inter-University National Debate “UDBHAV-2011” and University Cultural Nights, organized by G. B. Pant University of Agriculture & Technology.
- Worked as Vice-chairman (Finance & management) of “Gene rider”, the Branch Chapter of Biotechnology in G. B. Pant University (2008 - 2012).
- Executive Body Member of “Sanskritic Chetna Parishad” and “Vivekananda Swadhyay Mandal”, Official Societies of G. B. Pant University (2008 - 2012).
- Organizing team member of YUVA-2009, 2010, 2011 & 2012, National Youth Awakening Fest organized by G. B. Pant University of Agriculture & Technology.

Date: August, 2013

Place: IIT Bombay

(Mohit Arora)