



UNIVERSITY OF CALCUTTA

ACADEMIC DEPARTMENT

FACULTY ACADEMIC PROFILE/ CV

Full name of the faculty member: BHASKAR CHANDRA DAS

Designation: ASSOCIATE PROFESSOR & HEAD

Specialisation : Reaction Engineering, Biotechnology



Contact information :

Village-Lakshmipur, Post Office-Kamdevpur, P.S.-Patharpratima, District-South 24 Parganas, West Bengal, PIN Code-743371, Mobile No.-9433625290

Academic qualifications:

College/ university from which the degree was obtained	Abbreviation of the degree
Ramkrishna Mission Vidyamondira, Under University of Calcutta	B.Sc.(Hons. in Chemistry)
Department of Chemical Engineering, University of Calcutta	B. Tech.(Chemical Engineering)
Department of Chemical Engineering, Indian Institute of Technology, Kharagpur	M. Tech.(Chemical Engineering)

Positions held/ holding:

(a) Associate Professor-Department of Chemical Engineering, University of Calcutta (on and from 15/05/2010 till date)

(b) Lecturer in Selection Grade- Department of Chemical Engineering, University of Calcutta (on and from 15/05/2007 - 14/05/2010)

(c) Senior Lecturer- Department of Chemical Engineering, University of Calcutta (on and from 15/05/2001-14/05/2007)

(d) Lecturer- Department of Chemical Engineering, University of Calcutta (on and from 15/05/1995 to 15/05/2001)

Research interests:

- Applied Microbiology for pollution abatement
- Utilization of cellulosic waste material

Projects:

Completed projects: Microbial treatment of effluent from dye industry under the R&D activities of TEQIP, phase II

Select list of publications:

a) *Journals:*

- (01) Senjuti Chatterjee(Halder), Smita Pal, Manas Das and **Bhaskar Chandra Das**, 2014. Studies on Bioremoval of Phenol and m-Cresol using immobilized cells of *Bacillus pumilus* in packed bed column. Poll Res. 33(1), 133-138
- (02) **Bhaskar Chandra Das**, Pronoy Kumar Sinha, Kallol mukherjee, Subvasish Dutta Banik and Manas Das. 2014. Studies on removal of phenol from contaminated water source by microbial route using *Bacillus cereus*. Int. J. Curtr. Res. Aca. Rev., 2(1), 179-184
- (03) **Bhaskar Chandra Das**, Manas Das and Pronoy Sinha,2014. Production of Cellulase enzyme by submerged fermentation processfrom *Penicillium variabile*. Indian Journal of applied research, 4(1).
- (04) Pronoy Kumar Sinha, Manas Das and **Bhaskar Chandra Das**, 2013, Factorial design evaluation of some experimental factors for phenol biodegradation, Journal of Engineering Science and Technology Review, 5(1), 123-127.
- (05) **B C Das**, R K Basu and P Sarker, 1992. Removal of Sulpher Dioxide by A queous Emulsion of Dimethylaniline, Indian Journal of Environmental protection, 12(8)

c) **Conference/ seminar volumes:**

1. Senjuti Chatterjee (Halder), **Bhaskar Chandra Das** and Manas Das, 2015. Comparative study on bioremoval of phenol by free and immobilized cells of *B. pumilus* in batch culture, Proceeding's of 10th All India People's Technology Conference, Forum of Scientists, Engineers & Technologists, Kolkata.
2. Pronoy Kumar Sinha, Arpita Sinha, Manas Das and **Bhaskar Chandra Das**, 2011. Simultaneous biodegradation of phenol and 4-chlorophenol by a newly isolated *Rhodococcus species*, Conference on Advances in Chemical Engineering (AChemE 2011), Macmillan Pub. India Ltd., 302-312.
3. Pronoy Kumar Sinha, Manas Das and **Bhaskar Chandra Das**, 2009, Bioprocess kinetic study of phenol degradation in a CSTB using *Rhodococcus opacus* (RSP8) isolated from an industrial waste water treatment plant, Conference on Advances in Chemical Engineering (AChemE 2009), Department of Chemical Engineering, Thaper University, Punjab, India
4. Manas Das, **Bhaskar Chandra Das** and Pronoy Kumar Sinha, 2009. Studies on the production of Cellulase from *Penicillium variable* by Submerged Fermentation. Conference on Advances in Chemical Engineering (AChemE 2009), Macmillan Pub. India Ltd., 57-64.

Membership of Learned Societies:

- (a) Life member of Indian Institute of Chemical Engineers (IChE) (LM-10714)
- (b) Life member of Indian Society of Technical Education (ISTE) (LM-31261)

Awards: MHRD fellowship after qualifying GATE in 1990

Invited to be the Judge for the Poster Session at the National Seminar on Recent Advances in Biotechnology held on April 17, 2015 at CSIR –Indian Institute of Chemical Biology , Kolkata

Participation:
SERC School

CEP Course on Modeling and Optimization of Chemical Reactors	Sponsored by DST	Dept. of Chemical Engineering, IIT, Bombay	May 2-7, 2005
Colloids and Interfaces :Fundamental and Research Challenges	Sponsored by DST	Dept. of Chemical Engineering, IIT, Bombay	March 6-10, 2006
CEP Course and Symposium on Rheology of Complex Fluids.	Sponsored by DST	Dept. of Chemical Engineering IIT, Bombay	February 18-20, 2008
Newer Optimization Techniques for Chemical Eng. Applications	Dept. of Science and Technology, New Delhi	Indian Institute of Technology, Kanpur	June 09-14, 2008

Refresher Course

Petroleum Refinery Operations, Testing and Characterizations	Sponsored by UGC	Academic Staff College, Dept. of Chemical Engineering, Jadavpur University	May 27 to June 15, 2002
Global Warming	Sponsored by UGC	Academic Staff College, Dept. of Chemical Engineering, Jadavpur University	March 4-24, 2003

Workshop

Workshop for teachers in Industrial Chemistry	Sponsored by UGC	Bombay	December 5-17, 1994
Techniques in Applied Mathematics	Sponsored by DST	Dept. of Applied Mathematics, University of Calcutta	October 18-28, 2005

Short Term Course

Current trend in Process Modeling based on Heat, Mass and Momentum Transfer and Chemical Kinetics	Sponsored by DST	Department of Chemical Engg., IIT, Kharagpur	January 10-14, 2000
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Energy Technologies & Management - Sustainable Perspective	Sponsored by ISTE	Dept. of Mech. Engineering ,Birla Institute of Technology, Mesra, Ranchi	June 18-30, 2001
Petroleum Refining and Petrochemicals	Indian Oil Institute of Petroleum Management	Gurgaon, Haryana	June 1-6, 2009