



Dr. Prasant Kumar

Assistant Professor
CGBIBT
prasant.kumar@utu.ac.in

Education

PhD in BIOCHEMISTRY

M S UNIVERSITY, Vadodara

2006 - 2012

Master of Science, BIOTECHNOLOGY

M S UNIVERSITY, Vadodara

2003 - 2005

Bachelor of Science, AGRICULTURE

S. V. Agriculture College

A.N.G.R.A. University, Hyderabad

1998 - 2002

Specialization

Molecular Microbiology and Protein Engineering

Professional/Teaching Experience

Assistant Professor

C G Bhakta Institute of Biotechnology

July 2012 –Present

Assistant Professor (Adhoc)

Sardar Patel University

August 2011 – June, 2012

Research Interest

- **Developing novel probiotics**
- **Obesity and diabetes**
- **Gut microbiome**
- **Phytoprobiotic**

Research Experience

M.Sc Dissertation: "Transformation of Indica rice using gene for phosphomannose



isomerase (pmi) as selectable marker” under the guidance of Prof. B. B Chattoo at M. S. University of Baroda, Vadodara, Gujarat, India **(2005)**

Doctorate: “Metabolic engineering of *Escherichia coli* as a probiotic” under the guidance of Prof. G Naresh Kumar at M. S. University of Baroda, Vadodara, Gujarat, India **(2012)**

Creditable position

➤ As a Guiding Teacher/Teacher In-charge

Dissertation/M.Phil/PhD	Year/Semester	No of student
M.Sc. Dissertation	2011 - 2013	4
M.Sc. Dissertation	2012 - 2014	17

➤ List of Entrance Exams qualified

1. ICMR – JRF **(2006)**
2. CSIR – UGC NET for Lectureship **(2006)**
3. GATE conducted by IIT **(2006)**
4. JNU Entrance Test, Postgraduate merit scholarship from DBT **(2003 - 2005)**
5. ICAR for Master degree
(2002) – Rank 40
(2003) – Rank 23
6. ICAR for Bachelor degree **(1998)**

Professional/Research Training

- National Conference on “**Innovation and recent trends in drug discovery techniques, radio-labelling and applied science research**” at Uka tarsadia university, Gujarat , January 23-24, 2015
- Workshop on “**Next Generation Sequencing Data analysis of Microbial Genomes and Metagenomes**” at Gujarat State Biotechnology Mission, Government of Gujarat Gandhinagar, Gujarat, November 24-29, 2014.
- Second Annual Conference of Probiotic Association of India and International Symposium on **Probiotics and Microbiome: Gut and Beyond** held at Indian Habitat Centre, New Delhi, November 3-4, 2014.
- Seminar on “**Patent Search Methodology**” organized by Uka Tarsadia University, September 21st, 2014.
- Training on “**Spirulina Production**” at Spirulina Production Research and Training





Centre at ARC Campus, Madurai, A unit of **Antennae Nutritech Foundation**, January 22-29, 2014.

- Workshop on “**Maintenance of opto-analytical instrument**” jointly organized by Department of chemistry, Uka Tarsadia University and WRIC-Mumbai, Mar 19-20, 2013.
- International Conference on **Molecular Medicine** held at Changa, Gujarat, during January 9-11, 2011.
- International Conference on **Molecular Medicine** held at IIT, Chennai during January 18-20, 2009.
- International Conference on **Fluorescence Microscopy** held at TIFR, Mumbai, during, 2008.
- Short term training programme for academia, **New horizons in promoting human health and well-being using symbiotic**, held in anand, Gujarat, during February 12-17, 2007.

Seminar Organized

- Secretary in one day Seminar “**Microbes in Health and Disease**” on 19th October, 2013, at **UKA Tarsadia University, Maliba Campus**”, Bardoli, Surat, Gujarat.
- Convener in International Conference “**Current status, opportunities and challenges in Medicinal Plants and Natural Product Research**” on 24-26 September 2014, at **UKA Tarsadia University, Maliba Campus**”, Bardoli, Surat, Gujarat.

Publications

Research Paper

- 1) Shah, R., Patel, J., Prasad, B. D., and **Kumar, P.** (2014). P-type ATPase Mediates Copper Tolerance in *Klebsiella pneumoniae* IFCu4 Strain Isolated from South Gujarat Industrial Effluents. *Journal of Pharmacy and Applied Sciences* 1(1), 1-7.
- 2) Dwivedi, M and **Kumar, P.** (2014). Probiotics an Alternative to Immunosuppressive Drugs. *Probiotic association of India, Probiotic Newsletter*. 1(7), 3.
- 3) **Kumar, P.**, Ranawade AV., and Kumar, G N., (2014) Potential probiotic *Escherichia coli* 16 harboring the *Vitreoscilla* hemoglobin gene improve gastrointestinal tract colonization and ameliorate carbon tetrachloride induced hepatotoxicity in rats. *BioMed Research International* 2014, 1-9.





- 4) Pandey, S., Singh, A., **Kumar, P.**, Chaudhari, A., Kumar, G N., (2014). Probiotic *Escherichia coli* CFR 16 Producing Pyrroloquinoline Quinone (PQQ) Ameliorates 1,2-Dimethylhydrazine-Induced Oxidative Damage in Colon and Liver of Rats. *Applied Biochemistry Biotechnology* 173 (3), 775-786.
- 5) **Kumar, P.** and Shah, R., (2014). *Escherichia coli*: Does it merit a probiotic status? *Probiotic association of India*, Probiotic Newsletter. 1(6), 11.
- 6) Jain, R., Jha, S., Adhikary, H., **Kumar, P.**, Parekh, V., Jha, A., Mahatma, M. K., Kumar, G N. (2014). Isolation and molecular characterization of arsenite tolerant *Alishewanella* sp. GIDC-5 originated from industrial effluents. *Geomicrobiology*. 34, 82-90.
- 7) **Kumar, P.**, Gopalakrishnan, S. G., Kumar, G. N (2013). *In-vitro* compares the extracellular secretion of inulosucrase enzyme in potential probiotic *Escherichia coli* 16 and *E. coli* BL-21. *African journal of Biotechnology*. 12(45), 6382-6388.
- 8) Bhakta, M., **Kumar, P.** (2013). Mushroom polysaccharides as a potential prebiotics. *International Journal of Health Sciences and Research*, 3(8), 77-84.
- 9) **Kumar, P.**, Ferzin, S., Chintan, S., & Kumar, G. N. (2009). Isolation and Characterization of Potential Probiotic *Escherichia coli* Strains from Rat Faecal Samples. *American Journal of Infectious Diseases*, 5(2), 112-117.

Date: 12 March, 2015

Place: Tarsadi (Bardoli)

