

Curriculum Vitae

Avijit Pramanik, Ph.D. (Natural Sciences)

Assistant Professor Microbiology,

Central University of Haryana,

Jant – Pali, Mahendergarh,

Haryana, India - 123031



Education

- **Dr. rer. nat. (Doctoral degree in Natural Sciences)** From Eberhard Karls Universität Tübingen, Tübingen, Germany (89th in THE World University Rankings 2019) in **2006** with *Magna cum laude*. Dissertation in English.
- **M.Sc. (Microbiology)** From G. B. Pant University of Agriculture and Technology, Pantnagar, Uttarakhand, India with OGPA of **8.242/10** (1st division) in **2001**. Language of instruction: English. Dissertation in English.
- **B.Sc. (Agriculture) Hons.** From Bidhan Chandra Krishi Viswavidyalaya, Kalyani, West Bengal, India with **75.28%** (1st division) marks in **1998-99**. Language of instruction: English.
- **Higher Secondary.** From West Bengal Council of Higher Secondary Education, India with **76.4%** (1st division with star) in **1994**. Language of instruction: Bengali.
- **Secondary.** From West Bengal Board of Secondary Education, India with **66.8%** (1st division) marks in **1992**. Language of instruction: Bengali.

Fellowships Awarded

1. Qualified and awarded Junior Research Fellowship in National Eligibility Test conducted by Council of Scientific and Industrial Research, India in the field of Life Science in 2000.
2. Awarded Junior Research Fellowship by Indian Council of Agricultural Research, India for pursuing M.Sc. in the field of Agricultural Science in 1999.

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Teaching Experience

1. Teaching postgraduate and Ph.D. students in Central University of Haryana, Mahendergarh, Haryana, India as Assistant Professor in the Department of Microbiology from February, 2016.
2. Taught undergraduate and postgraduate students in DAV University, Jalandhar, Punjab, India as Assistant Professor in the Department of Microbiology from August 2013 to February 2016.

Administrative Roles

1. Served as Teacher in Charge at the Department of Microbiology at Central University of Haryana, Mahendergarh, Haryana, India from March 2016 to February 2018.

Ongoing Projects

1. Granted major research project of ~INR 46,00,000 by DST-SERB, Govt. of India (Department of Science & Technology - Science and Engineering Research Board) in 2017.
2. Granted major research project of INR 10,00,000 by UGC, Govt. of India (University Grants Commission) in 2017.

Life Memberships of Academic Societies

1. Life member of Association of Microbiologists of India, India
2. Life member of Society of Biological Chemists, India

Awards in Extracurricular Activities

1. Awarded President's scout by the 'Bharat Scouts and Guides', India in the year 1992.

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Research Exposures

- Worked as a post doctoral fellow (**August 2007 to March 2013**) on Characterization of bacterial outer membrane transporter energy transducing complex ExbB-ExbD-TonB & Characterization of ShIA-ShIB hemolysin secretion system from *Serratia marcescens* under the guidance of **Prof. Volkmar Braun** (Then Emeritus Professor at Eberhard Karls Universität Tübingen and Honorary Max Planck Fellow at Max Planck Institute for Developmental Biology, Department of Protein Evolution, Tübingen, Germany).
- Worked as a post doctoral associate (**November 2006 to June 2007**) on Cryoelectron microscopic characterization of bacterial (*Escherichia coli*) chemosensory motility network under the guidance of **Prof. Peijun Zhang** (Then Assistant Professor at Department of Structural Biology, University of Pittsburgh, Pittsburgh, USA).
- Worked as a doctoral student (**August 2002 to August 2006**) on sideromycin production by streptomycetes and elucidating iron transport mechanism in pathogenic bacteria under the guidance of **Prof. Volkmar Braun** (Awarded Robert Koch Prize in 1994, Web of Science recognition of Highly Cited Researcher in 2001, Then Professor and Chair at Department of Microbiology/Membranephysiology, Institute for Biology, Eberhard Karls Universität Tübingen, Tübingen, Germany).
- Worked as a Junior Research Fellow (**February 2002 to July 2002**) under the guidance of **Prof. G. Padmanaban** (Then Emeritus Professor at Department of Biochemistry, Indian Institute of Science, Bangalore, India) on development of new drug target against malarial parasite and diagnosis of chloroquine resistant infection from blood sample by PCR amplification followed by restriction fragment length polymorphism.
- One Year M.Sc. Thesis Research (**November 2000 to December 2001**) under the guidance of **Prof. Bhavdish N. Johri** (Then Head Department of Microbiology, College of Basic sciences and Humanities, G. B. Pant University of Agriculture & Technology, Pantnagar, India) on characterization of oligotrophic bacterial diversity of Leh soil.

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Publications

1. Deeksha Sharma, **Avijit Pramanik**, Pavan Kumar Agrawal. Evaluation of bioactive secondary metabolites from endophytic fungus *Pestalotiopsis neglecta* BAB-5510 isolated from leaves of *Cupressus torulosa* D. Don. **3 Biotech. 2016.** 6: 210-224. Impact Factor: 1.361. Cited by 29
2. **Avijit Pramanik**, Sanjay Kumar. Bottlenecks of Molecular Mass Determination of Oligomeric Membrane Protein - Detergent complexes and what can be achieved. **Biological Systems: Open Access. 2016.** 5: e114. Impact Factor: 0. Cited by 0.
3. Volkmar Braun, Stephanie Helbig, Silke Patzer, **Avijit Pramanik**, Christin Römer. Import and export of bacterial protein toxins. **International Journal of Medical Microbiology. 2015.** 305: 238-242. Impact Factor 3.614. Cited by 5.
4. **Avijit Pramanik**, Ulrich Könninger, Arun Selvam, Volkmar Braun. Secretion and activation of the *Serratia marcescens* hemolysin by structurally defined ShIB mutants. **International Journal of Medical Microbiology. 2014.** 304: 351-359. Impact Factor 3.614. Cited by 9.
5. **Avijit Pramanik ***, Waldemar Hauf, Jan Hoffmann, Mihaela Cernescu, Bernhard Brutschy, and Volkmar Braun. Oligomeric structure of ExbB and ExbB-ExbD isolated from *Escherichia coli* as revealed by LILBID Mass Spectrometry. **Biochemistry; 2011.** 50: 8950-8956. Impact Factor 3.422. Cited by 29. * **Corresponding author.**
6. **Avijit Pramanik ***, Fajun Zhang, Heinz Schwarz, Frank Schreiber, and Volkmar Braun. ExbB protein in the cytoplasmic membrane of *Escherichia coli* forms a stable oligomer. **Biochemistry. 2010.** 49: 8721-8728. Impact Factor 3.226. Cited by 17. * **Corresponding author.**
7. Volkmar Braun, **Avijit Pramanik**, Thomas Gwinner, Martin Köberle and Erwin Bohn. Sideromycins: tools and antibiotics. **Biometals. 2009.** 22: 3-13. Impact Factor 3.172. Cited by 139.
8. **Avijit Pramanik**, Uwe H. Stroehrer, Juliane Krejci, Alistair J. Standish, Erwin Bohn, James C. Paton, Ingo B. Autenrieth and Volkmar Braun. Albomycin is an effective antibiotic, as exemplified with *Yersinia enterocolitica* and *Streptococcus pneumoniae*. **International Journal of Medical Microbiology. 2007.** 297: 459-469. Impact Factor 2.524. Cited by 47.

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9. **Avijit Pramanik**, Volkmar Braun. Albomycin uptake via a ferric hydroxamate transport system of *Streptococcus pneumoniae* R6. **Journal of Bacteriology**. **2006**. 188: 3878-3886. Impact Factor 3.993. Cited by 70.
10. P.G. Vathsala, **A. Pramanik**, S. Dhanasekaran, C. Usha Devi, C.R. Pillai, S.K. Subbarao, S.K. Ghosh, S.N. Tiwari, T.S. Sathyanarayan, P.R. Deshpande, G.C. Mishra, M.R. Ranjit, A.P. Dash, P.N. Rangarajan, and G. Padmanaban. Widespread occurrence of the *Plasmodium falciparum* chloroquine resistance transporter (PFCRT) gene haplotype SVMNT in *P. falciparum* malaria in India. **American Journal of Tropical Medicine and Hygiene**. **2004**. 70: 256-259. Impact Factor 2.013. Cited by 91.
11. **Avijit Pramanik**, Rachna Gaur, Manvika Sehgal and B. N. Johri. Oligophilic bacterial diversity of Leh soils and its characterization employing ARDRA. **Current Science**. **2003**. 84: 1550-1555. Impact Factor 0.694. Cited by 9.

Note:

1. Impact Factors given here represents the Impact Factor of the respective journal for the year when the publication appeared.
2. Cited by data was taken from Google Scholar Citation database. For details please see <https://scholar.google.co.in/citations?user=O-HaSYAAAj&hl=en>

Conference Organized / Participated

1. **Participated** in National Conference on “Biotechnology: Exploring through Innovations” in Central University of Haryana, Mahendergarh, India during November 13-14, 2017.
2. **Oral presentation** at 57th Annual Conference & International Symposium of Association of Microbiologists of India in Gauhati University, Guwahati, India during November 24-27, 2016.
3. **Organized** National Conference on “Microbes for Human Health and Environment” in Central University of Haryana, Mahendergarh, India during September 8-9, 2016.
4. **Participated** in National Conference on “Biotechnology for Sustainable Development” in Central University of Haryana, Mahendergarh, India during August 4-5, 2016.
5. **Organized** National Conference on “Emerging Trends in Host-Microbe Interactions” in DAV University, Jalandhar, India during April 17-18, 2015.
6. **Oral presentation** at 4th Congress of European Microbiologists FEMS 2011 in Geneva, Switzerland during June 26-30, 2011.