




Shivaji College Faculty Details Proforma

Title	DR	First Name	RENU	Last Name	BAWEJA	Photograph
Designation	ASSISTANT PROFESSOR					
Address	GD-15 PITAM PURA DELHI-110034					
OfficePhone No.						
Residence						
Mobile	9818192670					
Email	renubaweja11@yahoo.co.in					
Web-Page	NA					
Educational Qualifications	PhD					
Degree	University/Institute			Year		
Ph.D.	University of Delhi			2006		
M.Phil./M.Tech.	NA					
PG	University of Delhi			2001		
UG	University of Delhi			1998		
Any Other Qualification						
Career Profile						
1. December 2014-till date Assistant Professor Department of Biochemistry, Shivaji College, University of						

Delhi

2. July 2007 –December 2014

Assistant Professor

Department of Biomedical

Science, Bhaskaracharya

College of Applied Sciences,

University of Delhi, Dwarka,

New Delhi

3. June 2006-July 2007

Lecturer

Amity Institute of

Biotechnology, Amity

University, Noida.

4. July 2005-March 2006

Guest Lecturer

Department of Biochemistry,

Daulat Ram College, Delhi

University, New Delhi

5. July 2004-March 2005

Guest Lecturer

Department of Biochemistry,

Daulat Ram College, Delhi

university, New Delhi-110007

Administrative Assignments

Session 2015-16, Member, College Laboratory Audit committee

Session 2015-16, Teacher-in-charge, Department of Biochemistry

Session 2015-17, Member, Fee Concession Committee

Session 2015-17, Member, Eco-club

Session 2016-18, Co-convener, Admission Committee

Areas of Interest/Specialisation

Biochemistry
Microbiology
Proteomics

Subjects Taught

Molecules of life, Proteins, Enzymes, Metabolism of Nucleic acids, Cell Biology, Human Physiology, Hormones: Biochemistry and Functions, Nutritional Biochemistry, Microbiology

Innovation Project/ Research Projects (Major Grants/Research Collaboration)

Co-investigator of the project titled “Assessment of Brominated Flame Retardants in Mobile phones/Electronic Gadgets, their consumption Pattern in North India Region and Carbon Foot Prints from Electronic Waste” funded by University of Delhi under DU Innovation Project (2013-14).

Co-investigator of the project titled “Industrial Waste Utilization for Microbial Fuel Production” funded by University of Delhi under DU Innovation Project (2015-16)

Publications Profile (Research Papers/Books)

Publications

Baweja. R, Kapur, A. Dairy effluent:A source for the production of Bio-energy.*Journal of Energy Research and Environmental Technology (JERET)*. 2016. Volume 3, Issue 2, April-June, pp 88-90. p-ISSN: 2394-1561

Baweja etal. Analysis of food industrial effluent for the production of microbial fuel cell. *Proceedings of the National Seminar on water and air quality in urban ecosystem*. 2016. Pp 18-20. ISBN: 978-93-5267-493-0

Ajeet Prajapati, Praveen, NikenaKhwairakpam, Manoj Khanna, BalramPani, **RenuBaweja**. Mobile Phones: ContributorsTowards Global warming. *Proceeding of National Conference on Striving & Thriving Towards Diffusion of Student-driven Research in Science and Technology for Inspired Learning*. October 16-17, 2014. ISSN: 978-81-7273-958-4

Baweja RB, Zaman MS, Mattoo AR, Sharma K, Tripathi, V, Aggarwal A Dubey GP, Kurupati RK, Ganguli M, Chaudhary NK, Sen S, Das TK, Gade WN and Singh Y.Properties of *Bacillus anthracis* spores prepared under various environmental conditions.*Archives of Microbiology* (2008) 189: 71-79.

Sharma, S., Chandra, H., **Baweja, R.** and W. N. Gade. Proteomic approach for the evaluation of *Pseudomonas* response to metal stress when grown in Luria Broth media. *Trends Clin. Biochem. Lab. Medicine*. (2003): 427-33

Sharma. K., Gupta, M., Pathak, M., Kaul, A., Sarangi, S., **Baweja, R** and Singh, Y. (2005) Transcriptional control of mycobacterial embCAB operon by PknH through a regulatory protein, EmbR in vivo. *J Bacteriol*. 2006 Apr;188(8): 2936-44.

Gyanendra P Dubey; Azeet Narayan; Abid R Mattoo; Gajendra P Singh; Raj K Kurupati; Mohd S Zaman; Anita Aggarwal; **Renu B Baweja**; Sharmila Basu- Modak; Yogendra Singh. Comparative genomic study of spo0E family genes and elucidation of the role of Spo0E in *Bacillus anthracis*. *Archives of microbiology* 2009;191(3):241-53.

Chapters in Book

Renu Baweja. Impact of diet on fertility: Reproductive Health in India: Concern and Awareness. Baweja V; Mishra R. 2017. ISBN: 978-8-19346-343-7. Enriched Publication Pvt. Ltd.

Geeta Bhatt, Manoj Knanna, Balram Pani and **Renu Baweja**. Awareness and sensitivity of mobile phone consumers on Electronic Wastes in Delhi-NCR region. Book: Sustainable smart cities in India: Challenges and Future Perspective. Sharma P; Rajput S. 2017. ISBN: 978-3-319-47144-0. Springer International Publishing AG

Renu Baweja, Shashi Nijhawan and Darshan Malik. Fighting for survival: Greater one-horned Indian Rhinoceros, Book: Wildlife Management: Concept, Analysis and Conservation. Dr. Amita Saxena. Daya Publishing House. ISBN 978-93-5124-792-0 (Hardbound). ISBN 978-93-86071-33-0 (International Edition)

Author of lesson Nucleic Acid, Paper IV, Fundamentals of Plant Biochemistry, Semester- 2, DC-I, B.Sc. (H) Botany (FYUP) under the Open Educational Resource by University of Delhi.

Conference/Seminar/Faculty Development Programme/Workshop

Orientation/Refresher course attended

UGC- Sponsored Orientation Program (OR-86), (UGC-HRDC), CPDHE, University of Delhi from November 25 to December 23, 2016 and obtained grade A

UGC- Sponsored Refresher Course in Summer School (Interdisciplinary), (UGC-HRDC), CPDHE, University of Delhi from September 5– 25, 2017 and obtained grade A

Seminar/Workshop/Symposium organized/Resource person

Convener “National Symposium on Lifestyle Disorders: Understanding the Molecular Mechanisms” held on January 28-29, 2016 at Shivaji College, University of Delhi, Raja Garden, Delhi-110027.

Member and Resource Person of the INSPIRE Science Camp held on December 19-23, 2015 at Shivaji College, University of Delhi, Ring Road, Raja Garden, New Delhi-110027.

Co-Cordinator “National Symposium on Infectious Diseases: Advancement in diagnosis, therapeutics and vaccines” held on March 20-21, 2014 at Baskaracharya College of Applied Sciences, University of Delhi, Dwarka, New Delhi-110075

Member and Resource Person of the INSPIRE Science Camp organized six times at Baskaracharya College of Applied Sciences, University of Delhi, Dwarka, New Delhi-110075 during the period of 2010-2013.

Member of Organizing Committee in 'Better Process Control School for Manufacturers of Low Acid Canned and Acidified Foods' held on March 1- 5, 2011 in Bhaskaracharya College of Applied Sciences, University of Delhi, Dwarka, New Delhi-110075

Member of the Organizing Committee of the workshop on 'Basic Molecular Biology Techniques' held on December 12-16, 2011 in Bhaskaracharya College of Applied Sciences, University of Delhi, Dwarka, New Delhi-110075

Co-Convener of the National Symposium on 'Infectious Diseases: Basic and Applied Research' organized on February 3rd 2010 held at Bhaskaracharya College of Applied Sciences, University of Delhi, Dwarka, New Delhi-110075.

Member of the Organizing Committee of the Symposium on 'Bioinformatics: An in- silico approach to Biology' held on 5th December 2008 in Bhaskaracharya College of Applied Sciences, University of Delhi, Dwarka, New Delhi-110075.

Presentation in conferences/symposium/workshop

Presented Poster titled "Identification of microbes isolated from dairy industrial effluent" in National Conference on Combating Industrial Pollution for Sustainable Environment organised by Gargi College, University of Delhi on September 22-23 Sept 2016

Presented Paper titled "Dairy Effluent-A source of the production of Bioenergy" in 2nd International Conference on Public Health:Issues, Challenges, Opportunities, Prevention, Awareness organized by KrishiSanskriti, New Delhi, India on May 21, 2016

Presented Poster titled "Bioelectricity production from food industry effluent" in National Seminar on Water and Air Quality in Urban Ecosystem organised by Eco- Club, Shivaji College on March 22, 2016

Presented a research paper titled "Mobile ecosystem in Delhi-NCR- A perspective of consumer awareness towards E-waste at 5th International symposium on Fusion of Science and Technology (ISFT-2016), held in New Delhi, India from January 18-22, 2016

Presented Poster titled "Characterization of waste water effluent from dairy industry for energy generation" in International Conference on Public Health:Issues, Challenges, Opportunities, Prevention, Awareness organized by Daulat Ram College, University of Delhi and KrishiSanskriti, New Delhi, India from January 15-16, 2016.

Presented a poster titled "Awareness and sensitivity of mobile phone consumers on E-waste" in Delhi-NCR in one day National Conference on "Smart cities-Challenges and Vision Ahead" organized by Department of Geography, Shaheed Bhagat Singh College, University of Delhi on April 6, 2015

Conferences/Symposium/Workshop attended

9th annual symposium on frontiers in biomedical research organized by Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi, Delhi-110007, India on April 14-16, 2014

Dialogue on 'E-Waste Management & Recycling' organized by The Times Group in association with EXIGO Recycling on January 30, 2014

Lecture Workshop/Conference on “Emerging Trends in Development of Drugs and Devices” jointly organized by Department of Chemistry, University of Delhi, NAS, Allahabad, IAS, Bangalore and INSA, New Delhi on January 21-23, 2013

Workshop on “Computers for Capacity Building of Delhi University Faculty” organized by Institute of Lifelong Learning on March 8-11, 2010

Workshop on “Development of online quizzes for in Life Sciences” at Institute of Lifelong Learning on April 16, 2009.

9th Asian Pacific Congress of Clinical Biochemistry in the Year 2002.

Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)

NA

Awards and Distinctions

Certificate of Appreciation for **Best Display** award under the theme: Health Concern during Antardhwani 2015, Innovation Plaza, Academic and Cultural festival, organized by University of Delhi from February 20-22, 2015

Best Poster Award in 4th annual symposium on frontiers in biomedical research organized by Dr. B. R. Ambedkar Center for Biomedical Research, University of Delhi, Delhi- 110007, India on April 14-16, 2007

Qualified CSIR-UGC National Eligibility Test for lectureship and Junior Research Fellowship.

University Merit scholarship M.Sc. (Biochemistry) from Delhi University.

Memberships

Member, Proteomics society of India

Other Academic Activities

Cultural/Extracurricular Activities

Worked as active member of ECA Committee of Bhaskaracharya College of Applied Sciences, University of Delhi during the year 2008-2012
Member of the organising committee of INSPIRE science camp organised six times during the year 2010-13 in Bhaskaracharya College of Applied Sciences, University of Delhi

Renu Baweja

Signature of Faculty Member