

Curriculum Vitae

DR. PAYEL CHOUDHURY, Ph.D in Microbiology

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Current Status: Working as a Teaching Faculty (contractual)

in Department of Microbiology, The University of Burdwan, West Bengal



Personal Information:

Nationality: Indian

Caste: General

Date of Birth: 29.05.1986

Marital Status: Married

Languages known: English, Hindi and Bengali

Likes to: Read books (fiction and non-fiction), listening to news and talking to people.

Attainments:

1. **ICAR- National Eligibility Test (NET)** – 2017 (I) Agricultural Microbiology organized by AGRICULTURAL SCIENTISTS RECRUITMENT BOARD, Indian Council of Agricultural Research
2. **National certificate in Modular Employable Skills** (module: computer fundamentals, MS-office & eNet) organized by Ministry of Labour and Employment, GOI
3. **Ph. D. Course Work Examination** (2012) organized by the Department of Microbiology, The University of Burdwan, West Bengal, India
4. **Diploma in Computer Application with HTML** (2013) IRCMD (A West Bengal Government Undertaking)

Teaching Experience:

1. Lecturer in Dept. of Microbiology in a Government sponsored Degree College (Shyamsundar College, Burdwan) for teaching Undergraduate Honours students from Dec., 2008 to Jun., 2010.

2. Teaching faculty (contractual) in Dept. of Microbiology, The University of Burdwan for teaching Post-graduate students from Jun., 2010- till date.

Academic Qualifications:

Examination passed	Board/University	Year of passing	Percentage of Marks	Division
Secondary	C.I.C.S.E., New Delhi	2001	81.5	I st
Higher Secondary	C.I.C.S.E., New Delhi	2003	78	I st
B.Sc. in Microbiology (Honours)	The University of Burdwan	2006	66.5	I st
M.Sc. in Microbiology	The University of Burdwan	2008	69.9	I st
M.Phil in Microbiology	Vinayaka Missions University, Tamil Nadu	2010	62	I st
Ph.D in Microbiology	The University of Burdwan	2018	NA	NA

Thesis title: “Exploring biotechnological potential of bacterial cultures isolated from soil of Nilgiri Hills, India.”

List of Research Publications:

1. Payel, C., Pradipta, S., 2018. Nilgiri hills bacteria as resource for functions having biotechnological potential: preliminary report of study involving culture dependent approach. *Asian J. Microbiol. Biotechnol. Environ. Sci*, 20(1), pp.326-333.
2. Afshan, S., Payel, C., Shafiul, H., Pradipta, S., Debarati P., Arshad Jawed., 2018. Staphylokinase: A potent thrombolytic agent. *Int. J. Eng. Sci. Inv*, 7 (1), pp.15-22.
3. Payel, C., Arshad, J., Pradipta, S., 2017. Optimization of phytostimulatory potential in *Bacillus toyonensis* isolated from tea plant rhizosphere soil of Nilgiri Hills, India. *Int. J. Eng. Sci. Inv*, 6 (11), pp.13-18.
4. Payel, C., Narayan, C.S. and Chitrita, C., 2014. Etiology and drug resistance profile of pediatric urinary tract infections in Eastern India. *Int. Res. J. Medical Sci*, 2(6), pp.11-13.
5. Payel, C., Narayan, C.S. and Chitrita, C., 2013. Antibacterial activity and drug resistance in pediatric population. *Int. J. Elec. Comm. Technol*, 4(1), pp.155-56.

Proceedings:

1. Payel, C., Pradipta, S., 2016. "16S rRNA gene sequence analyses of a thermophilic bacterial isolate". Proc.: National symposium on Modern Approaches of Biotechnology in Globalization organized by Dept. of Biotechnology, The University of Burdwan and supported by DST, Govt. of West-Bengal.
2. Arpita, S., Payel, C., Pradipta, S., 2015. "Isolation, Characterization and Phylogenetic analysis of the 16S rRNA gene of a bacterial strain isolated from the soil of Nilgiri hills, Tamil Nadu". Proc.: National Seminar on "Sustainable Development in Biotechnology" organised by Dept. of Biotechnology, The University of Burdwan.
3. Payel, C., Agasty, P., 2010. Catalytic reduction of nitric oxide in automobile exhaust emission. Proc.: International conference on Mother Earth: Save it for future generations organized by Dept. of Environmental Science, B.U.
4. E-publications:
 - a. The whole genome sequence of a bacterial strain having biotechnological application has been submitted to National Centre for Biotechnology Information (<http://www.ncbi.nlm.nih.gov>). The whole-genome shotgun project has been deposited at DDBJ/ ENA/GenBank under the accession number POAF00000000.
 - b. 16S ribosomal DNA gene sequences of bacterial strains submitted to Genbank, National Centre for Biotechnology Information (<http://www.ncbi.nlm.nih.gov>). BANKIT

submission numbers: KP229423, KU644590, KU644591, KU644592 and KU644593, KU644594.

Participation in Seminar /Symposium/Workshop:

<u>Theme</u>	<u>Organised by</u>	<u>Year</u>
4th Regional Science and Technology Congress (Western Region)	Department of Science & Technology and Biotechnology (DSTBT), Govt. of W.B & The University of Burdwan, W.B	2019
National symposium: Modern approaches of Biotechnology in globalization	Dept. of Biotechnology, The University of Burdwan	2016
National Seminar: Biotechnology in Sustainable Development	Dept. of Biotechnology, The University of Burdwan	2015
Workshop (duration-21 days): UGC sponsored interaction programme for Research Scholars	Academic Staff College, The University of Burdwan	2014
21st West Bengal State Science and Technology Congress	West Bengal State Science and Technology council and Department, W.B	2014
Workshop: Fluroscence microscopy	University Science Instrumentation Centre, The University of Burdwan	2013
Workshop: Zero budget natural farming	Dept. of MSW, W.B	2011

Workshop: Bioinformatics- Some of the fundamentals and their applications	Dept. of Microbiology, The University of Burdwan	2011
National seminar: Recent trends in Biotechnology	Dept. of Biotechnology, The University of Burdwan	2010
International conference: Mother Earth, Save it for future generations	Dept. of Environmental Science, The University of Burdwan	2010
Seminar: Basic and Applied Microbiology	Dept. of Microbiology, The University of Burdwan	2010

Seminar/ Symposium/ Workshop organized

<u>Theme</u>	<u>Organised by</u>	<u>Year</u>
Member of the organizing committee in 21 st WBSSCT	The University of Burdwan, W.B	2014
Member of the organizing committee in 2 nd Regional Science and Technology Congress (western region)	Department of Higher Education, Science and Technology and Biotechnology, Govt. of West Bengal & The University of Burdwan	2017
Member of the organizing committee (Reception and registration) in 4 th Regional Science and Technology	Department of Science & Technology and Biotechnology (DSTBT), Govt. of	2019

Congress (Western Region)

West Bengal & The

University of

Burdwan, W.B

Invited talk/lecture:

In DBT Inspire camp for the school students organized by The University of Burdwan in the year 2016, 2017.

Administrative experience:

Paper setter, examiner and scrutinizer for M.Sc. Microbiology examinations (Theory and Practical).

Paper setter, examiner, reviewer and scrutinizer of B.Sc. (Hons) examinations in Microbiology.

Convener of B.Sc. (Hons.) practical examinations of Microbiology.

Mentorship and dissertation work of PG students:

Guidance of PG students in their M.Sc. dissertation work.

Acted as Mentor of selected PG students for improving their academic and personal credentials.

Payel Choudhury