
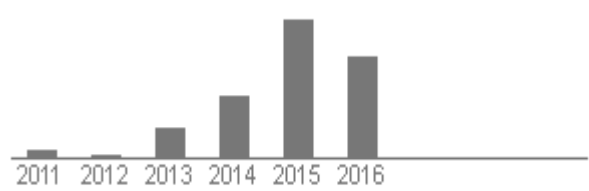


CV OF DR. TUSHAR KANTI MAITI

1.Name	DR. TUSHAR KANTI MAITI													
2.Designation/ Present position	<i>Associate Professor</i>													
3. Contact Address	Department of Botany, Burdwan University, Burdwan – 713104, WB, INDIA													
4. E.mail ID	tkmbu@yahoo.co.in tkmmicrobiology@gmail.com													
5. Telephone number	(0342) 2556260(Office) (0342) 2659493 (Res.), 09434167047 (Mobile)													
6. Date of birth	1 st day of March, 1963													
7. Academic qualification	M.Sc , Ph.D													
8. Honours and Awards	i) Received Gold Medal for securing 1 st Class 1 st in B.Sc (Hons in Botany) Exam. ii) Received National Merit Scholarship. iii) Awarded for JRF(UGC-NET-1986),JRF(CSIR-1986), GATE-87 with 98.40 ps, RA(UGC) and RA(CSIR)													
9. Teaching Experience	UG – 2.5 Years (Darjeeling Govt. College) PG- More than 14 Years (Darjeeling Govt. College and Burdwan University) and continuing													
10. Research Experience	More than 25 years													
11. Research Area	Plant Growth Promoting Rhizobacteria of abiotic stress (Heavy metal resistant, Salt tolerant) Pesticide Degrading Plant Growth Promoting Rhizobacteria Bioremediation by heavy metal resistant bacteria, Diversity of legume nodulating bacteria, Microbial diversity in saline habitat particularly Mangrove area of Sundarban & Coastal Belt of India. Production of Microbial metabolites (IAA, Extracellular polysaccharide, enzymes, amino acids)													
12. Google Author citation Indices(as on 16.10.16)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Citation indices</th> <th style="text-align: center;">All</th> <th style="text-align: center;">Since 2011</th> </tr> </thead> <tbody> <tr> <td>Citations</td> <td style="text-align: center;">329</td> <td style="text-align: center;">301</td> </tr> <tr> <td>h-index</td> <td style="text-align: center;">10</td> <td style="text-align: center;">10</td> </tr> <tr> <td>i10-index</td> <td style="text-align: center;">10</td> <td style="text-align: center;">10</td> </tr> </tbody> </table> 		Citation indices	All	Since 2011	Citations	329	301	h-index	10	10	i10-index	10	10
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h-index	10	10												
i10-index	10	10												
13. Sequences submitted in the NCBI &PMDB-	21 Sequences & 4 protein model													

14. Some important Publications

2016

1. Krishnendu Pramanik, Pallab Kumar Ghosh, Antara Ghosh, Anumita Sarkar and **Tushar Kanti Maiti**. Characterization of PGP Traits of a Hexavalent Chromium Resistant *Raoultella* sp. Isolated from the Rice Field near Industrial Sewage of Burdwan District, WB, India (2016) **Soil Sediment and Contamination (Taylor & Francis)**. 2016, 25(3), 313–331 DOI:10.1080/15320383.2016.1137861
2. Sandipan Banerjee, **Tushar Kanti Maiti** , Raj Narayan Roy. Identification and product optimization of amylolytic *Rhodococcus opacus* GAA 31.1 isolated from gut of *Gryllotalpa africana*. *Journal of Genetic Engineering and Biotechnology* (2016) 14, 133–141 (doi.org/10.1016/j.jgeb.2016.05.005) (**Elsevier**).
3. Pallab Kumar Ghosh, Anumita Sarkar, Krishnendu Pramanik, **Tushar Kanti Maiti** (2016) The extracellular polysaccharide produced by *Enterobacter* spp. isolated from root nodules of *Abrus precatorius* L. **Biocatalyst and Agricultural Biotechnology (Elsevier)**. Vol.5 : 24-29

2015

1. Sanjeev Pandey, Jitomanju Chakraborty, **Tushar Kanti Maiti** The FAME profiles of Cadmium resistant *Ochrobactrum* sp. and Lead and Arsenate resistant *Bacillus* spp. **Natl. Acad. Sci. Lett.(2015) (Springer)**, 38(6): 507-511
2. Kriti Sengupta, **Tushar Kanti Maiti** and Pradipta Saha. Degradation of 4-Nitrophenol in presence of Heavy metals by a halo-tolerant *Bacillus* sp. Strain BUPNP2, having plant growth promoting traits. **Symbiosis(Springer)** (2015) 65 (3): 157-163
3. Pallab Kumar Ghosh, Sukanta Kumar Sen and **Tushar Kanti Maiti** Production and metabolism of IAA by *Enterobacter* spp. (Gammaproteobacteria) isolated from root nodules of a legume *Abrus precatorius* L. **Biocatalyst and Agricultural Biotechnology (Elsevier)** (2015) (4) 296–303.
4. Pallab Kumar Ghosh, Tarun Kumar De and **Tushar Kanti Maiti**: Ascorbic acid production in root, nodule and *Enterobacter* spp. (Gammaproteobacteria) isolated from root nodule of the legume *Abrus precatorius* L. **Biocatalyst and Agricultural Biotechnology (Elsevier) vol.4** (2015), 127-134.
5. Pallab Kumar Ghosh, Tarun Kumar De, and **Tushar Kanti Maiti** Production and Metabolism of Indole Acetic Acid in Root Nodules and Symbiont (*Rhizobium undicola*) Isolated from Root Nodule of Aquatic Medicinal Legume *Neptunia oleracea* Lour. **Journal of Botany** vol.2015 (2015) (**Hindawi**). 1-11
6. Pallab Kumar Ghosh, Jhuma Ganguly, Priyanka Maji, **Tushar Kanti Maiti**: Production and Composition of Extracellular Polysaccharide Synthesized by *Rhizobium undicola* Isolated from Aquatic Legume, *Neptunia oleracea* Lour. **Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci. (Springer)** (2015) 85(2) : 581-590

2014

7. Sangrila Sadhu, Pallab Kumar Ghosh, Goutam Aditya and **Tushar Kanti Maiti**: Optimization and strain improvement by mutation for enhanced cellulase production by *Bacillus* sp. MTCC10046) isolated from cow dung **.Journal of King Saud University (Science) (Elsevier)** 2014, 26, 323-332.
8. Arpita Dey, Amarnath Chattopadhyay, Subhra Kanti Mukhopadhyay, Pradipta Saha, Sabyasachi Chatterjee, **Tushar Kanti Maiti** and Pranab Roy: Production, Partial Purification and Characterization of an Extracellular Psychrotrophic Lipase from *Pseudomonas* Sp. ADT3. **J Bioremed Biodeg (2014) 5:6.**
9. Abhishek Mukherjee, Subhajit Das, Tanima Bhattacharya, Minati De, **Tushar Kanti Maiti**, and Tarun Kumar De: Optimization of Phytoplankton Preservative Concentrations to Reduce Damage During Long-Term Storage, **Biopreservation and Biobanking.12(2,) 139-147 ,2014**

2013

10. Pallab Kumar Ghosh, Pradipta Saha, Shanmugam Mayilraj and Tushar Kanti Maiti: Role of IAA metabolizing enzymes on production of IAA in root, nodule of *Cajanus cajan* and its PGP *Rhizobium* sp. **Biocatalyst and Agricultural Biotechnology (Elsevier) (2013) (2) :** 234–239.
11. Sanjeev Pandey, Pallab Kumar Ghosh, Sisir Ghosh, Tatrun Kumar De and **Tushar Kanti Maiti**. Role of heavy metal resistant *Ochrobactrum* sp.and *Bacillus* spp. strains in bioremediation and growth promotion of rice cultivar **The Journal of Microbiology (Springer)** 2013, 51 (1) pp. 11–17
12. Sangrila Sadhu, Pradipta Saha, Sukanta K Sen, Shanmugam Mayilraj and **Tushar Kanti Maiti**. Production, purification and characterization of a novel thermotolerant endoglucanase (CMCase) from *Bacillus* strain isolated from cow dung. **SpringerPlus** 2013, 2:10

2012

13. Sangrila Sadhu, Pradipta Saha, Shanmugam Mayilraj and **Tushar Kanti Maiti**: Characterization of a *Bosea* sp. strain SF5 (MTCC 10045) isolated from compost soil capable of producing cellulose. **Journal of Microbiology, Biotechnology and Food Sciences (Slovakia)** 2012: 2 (2) 576-591.
14. S. Das, M. De, T. K. De, R. Ray, T.K. Jana P. K. Ghosh & **T.K.Maiti**: Distribution of Aerobic and Anaerobic Bacteria along the Intertidal Zones of Sunderban Mangrove Ecosystems, NE Coast of Bay of Bengal, India. **Indian Journal of Geo-Marine Science**, 41(5) 405-411. 2012.

2011

15. Sisir Ghosh & Pallab Ghosh & Pradipta Saha & **Tushar Kanti Maiti** .The extracellular polysaccharide produced by *Rhizobium* sp. isolated from the root nodules of *Phaseolus mungo*. **Symbiosis (Springer)** (2011) 53:75–81.
16. Sritama Mukherjee, S Ghosh, S Sadhu, P Ghosh and **T K Maiti**: Extracellular polysaccharide production by a *Rhizobium* sp. isolated from legume herb *Crotalaria saltiana* Andr. **Indian Journal of Biotechnology**. 2011, 10:340-345.

	<p>17. Sisir Ghosh, T.K. Maiti and P.S.Basu. Seasonal Variation in the Metabolism of Indole Acetic Acid in Root Nodules of <i>Phaseolus mungo</i> L. Indian Journal of Agricultural Biochemistry. 2011. 24(2):91-94.</p> <p>18. Sangrila Sadhu, Pradipta Saha, Mayilraj Shanmugam, Tushar Kanti Maiti. Lactose-Enhanced Cellulase Production by <i>Microbacterium</i> sp. Isolated from Fecal Matter of Zebra (<i>Equus zebra</i>) Current Microbiology, (Springer) (2011), 62(6) :1050-1055.</p> <p style="text-align: center;">2010</p> <p>19. S. Pandey, P. Saha, P. K. Barai and T.K.Maiti. Characterization of a Cd²⁺ - Resistant Strain of <i>Ochrobacterium</i> sp. Isolated from Slag Disposal Site of an Iron and Steel Factory. Current Microbiology (Springer) 2010; 61:106–111.</p> <p style="text-align: center;">2008</p> <p>20. S. Ghosh, C. Sengupta, T.K.Maiti and P.S.Basu: Production of 3-Indolylacetic Acid in Root Nodules Culture by a <i>Rhizobium</i> Sp. Isolated from Root Nodules of the Leguminous Pulse <i>Phaseolus mungo</i>. Folia Microbiol. (Springer). (2008).Vol. 53(4), 351-355.</p> <p>21. S. Ghosh, T.K.Maiti and P.S.Basu: Bioproduction of Ascorbic acid in Root nodule and root of the legume pulse <i>Phaseolus mungo</i>. Current Microbiology. (Springer) (2008), vol.56 (5) 495-498</p> <p style="text-align: center;">Before 2000</p> <p>22. T.K.Maiti and S.P.Chatterjee: DAHP Synthase of Phenylalanine non-producing & Phenylalanine producing mutant strain of <i>Arthrobacter globiformis</i>, Current Science.66. :235- 237 (1994)</p> <p>23. T.K.Maiti and S.P.Chatterjee: L-Phenylalanine production by double auxotrophic multianalogue resistant mutants of <i>Arthrobacter globiformis</i>. Folia Microbiol (Springer) 39(5)387-391. (1994).</p> <p>24. T.K.Maiti and S.P.Chatterjee: L-Phenylalanine production by double auxotrophic analogue resistant mutants of <i>Arthrobacter globiformis</i>, Acta Biotechnol , (Willey) 13 : 87-97 (1993).</p> <p>25. T.K.Maiti: Production of L- Phenylalanine by double auxotrophic mutants of <i>Arthrobacter globiformis</i>. Effect of temperature, trace salts and inoculum dose. Folia Microbiol(Springer) 38 : 447-450. (1991).</p> <p>26. T.K.Maiti and S.P.Chatterjee: L- Phenylalanine production by double auxotrophic mutants of <i>Arthobacter globiformis</i>.Folia Microbiol (Springer) . 36: 234-239 (1991).</p> <p>27. T.K.Maiti and S.P.Chatterjee Production of L- Phenylalanine by double auxotrophic mutants of <i>Arthobacter globiformis</i>.Optimization of C & N sources Acta Biotechnol. (Willey) 11. 249-254 (1991).</p>
<p>15.Total Publication</p>	<p>i. Papers Published:- 60 (42 International) and 18 National)</p> <p>ii. Chapter in Book published:04</p> <p>iii. Books Published:- 02</p>

	Degree Awarded	Year	Name of the Scholar	Title of the Thesis
16. Research guidance	M.Phil	2009	Pallab Kr. Ghosh	Studies on root nodule and the symbiont of <i>Cajanus cajan</i> (L.) Millsp. with reference to Ascorbic acid and extracellular polysaccharide production.
	Ph.D	2012	Sisir Ghosh	Studies on root nodule bacteria of <i>Phaseolus mungo</i> L. with reference to indole acetic acid, ascorbic acid and extracellular polysaccharide production
		2013	Sanjeev Pandey	Studies on Cadmium, lead and Arsenate resistant bacteria isolated from slag disposal site of a steel industry in Burnpur, West Bengal.
	2015	Pallab Kumar Ghosh	Studies of root nodule and symbiont isolated from <i>Neptunia oleracea</i> and <i>Abrus pectorius</i> with reference to IAA , polysaccharide and ascorbic acid production,	
17. Research Scholar enrolled for Ph.D Degree	Name of the Research Scholars		Topic of Research work	
	1.Sangrila Sadhu (Registered Scholar)		Production of Cellulase by bacteria isolated from soil and fecal materials of herbivores.	
	2.Arпита De (Registered Scholar)		Characterization of a Psychrotrophic Lipase Producing <i>Pseudomonas</i> sp ADT3 isolated from Arctic Region	
	3.Avishek Sarkar (Registered Scholar)		Reproductive Biology, phytopathological and enhanced productivity of the medicinally important plant <i>Plumbago zeylanica</i> L	
	4.Samaresh De (Registered Scholar)		Study of Arsenic resistant bacteria isolated from purbasthali, burdwan	
	5.Anumita Sarkar (Registered Scholar)		Study of ACC deaminase producing PGPR isolated from the coastal belt of Orissa	
	6.Krishnendu Pramanik (Registered Scholar)		Characterization of heavy metal resistant plant growth promoting rhizobacteria (PGPR) isolated from the industrial belts of Burdwan district for sustainable agriculture.	
	8.Soumik Mitra (Registered Scholar)		Study of heavy metal resistant PGPR isolated from the industrial belt of Durgapur for sustainable agriculture.	

	9.Antara Ghosh (Registered Scholar)	Study of heavy metal resistant and salt tolerant plant growth promoting rhizobacteria(PGPR) isolated from rice fields of burdwan
18. Referee of some important peer review Journals	a) Journal of Basic Microbiology (Willey) b)Journal of Soil and Sediments contamination (Taylor and Francis) c) Journal of Biodegradation (Springer) d)Indian Journal of Biotechnology(NISCAIR) e)Journal of Environmental Biology	
19.Research Collaboration	A Research Collaboration has made with Dr. T.K.De, Professor, Department of Marine Science, Calcutta University, on the topic “Study of Microbial Diversity and their characterization in Mangrove area of Sunderban , West Bengal.”	
20.Research Project	Acting as Co-PI on the Project entitled “Time series observation on Phytoplankton dynamics in the coastal waters of Sundarban Mangrove Forest NE Coast of Bay of Bengal” funded by CSIR, letter no. 24(0330)/14/EMR-II dated 24.04.13	
21.Administrative and Scientific Experience	a) Act as Assistant Research Officer (Fodder) under Animal Resources Development Department, Govt. of West Bengal from 1994 to 2002. b)Act as Assistant Co-ordinator, Department of Microbiology, Burdwan University, from 2005 to 2008 c) Acting as a paper setter, moderator, Co-ordinator, Convener and Examiner in under graduate and post graduate subjects Biochemistry, Biotechnology, Microbiology, Nutrition, in addition to Botany.	
22. Foreign Visit & Overseas Training:	Successfully completed a training course on “Forage and Pasture seed production: Grassland management and Fodder trees” held on 21.04.97 to 24.05.97 (5 week) at the Department of Agriculture, The University of Queensland, Brisbane, Australia as a nominated candidate of the Animal Resources Development Department, Govt. of West Bengal.	
23.Indian Training:	Successfully completed training on “ Rhizobium Technology ” at Microbiology Division, Indian Agricultural Research Institute (IARI), New Delhi , sponsored by, Department of Biotechnology (DBT) from 23.11.93 to 03.12.93.	
24. Membership of Academic Society:	a) Life Member of the “Association of Microbiologist India (AMI)”. b) Life member of the Association of Indian Agricultural Biochemistry. c) Presently President of AMI , Burdwan Unit.	
25 Membership of Academic Board:	a) Member of the Post Graduate Board, Department of Botany, Burdwan University b) Member of the Post Graduate Board , Department of Microbiology, Burdwan University c) Member of the Board of Research Studies, Department of Botany, B.U. d) Member of the Undergraduate board of Microbiology, KNU. e) Member of the Undergraduate board of Biochemistry, KNU.	