

# Personal Profile / Curriculum Vitae

**SOURAV SINGHA**

**SACT**

Department of Microbiology

Bankura Sammilani College

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<https://scholar.google.co.in/citations?user=ISkVFP0AAAAJ&hl=en>

[https://www.researchgate.net/profile/Sourav\\_Singha](https://www.researchgate.net/profile/Sourav_Singha)

College Website: [www.bankurasammilanicollege.net](http://www.bankurasammilanicollege.net)

Date of Joining: August 11, 2014

## **Residential Address:**

Rampur, Chotokalitala

Bankura 722101

West Bengal

India

Date of birth: October 07, 1989

## **Fields of Research Interest:**

### ***Environmental Microbiology:***

*Bioremediation: Heavy Metal Pollution, Xenobiotic degradation*

### ***Agricultural Microbiology:***

*Phosphate solubilization, PGPF, Biofertilizer productions*

### ***Bioinformatics:***

## **Educational Degrees:**

- Ph.D.*                      ***Botany***, (Pursuing) Bankura University, Bankura (2019-20 onwards)  
*Research Topic:* Study of Microbial Bioremediation of Heavy Metal pollution of selected industrial belt in Bankura District.
- M.Sc.*                      ***Microbiology***, Department of Biotechnology & Microbiology, School of Biosciences, Lovely Professional University. Punjab. 2013.
- B.Sc.*                      ***Microbiology***, Bankura Sammilani College, University of Burdwan, 2011
- Higher Secondary*      Madhuban Goenka Vidyalaya, WBCHSE, 2008
- Secondary*                Bankura Goenka Vidyayatan, WBBSE. 2006

**Present Position:**

SACT Department of Microbiology, Bankura Sammilani College, Bankura,  
(From August 2014)

**Professional Experience (Teaching):**

SACT Department of Microbiology, Bankura Sammilani College, Bankura,  
(From August 2014)

Assistant Teacher Biological Science, St. Xavier's High School, Damodarpur, Bankura,  
(Sept- 2013 to Aug-2014)

**Course/Subjects Taught:**

UG Microbiology Microbiology, Biochemistry, Microbial Physiology, Biophysics,  
(Hons.) Molecular Biology, Bioinformatics, Microbial Genetics etc.  
(Theory & Practical)

UG Nutrition Science Bioinformatics & Nutrigenomics  
(Hons.) (Theory & Practical)

**Project / Dissertation Done:**

Research in Department of Biotechnology & Microbiology, School of Biosciences, Lovely Professional University. Punjab:

Entitled as "Isolation & characterization of halotolerant phosphate solubilizing bacteria from the rhizosphere of paddy growing in the coastal areas of West Bengal."

Worked as a Post-graduate Scholar during Oct -2012 to May-2013.

**Project / Dissertation Supervised:**

Supervised UG 5<sup>th</sup> Semester Microbiology (Hons.) students as their Dissertation work under CBCS Curriculum of Bankura University.

- ✓ Isolation, screening & characterization of NH<sub>3</sub> & HCN producing phosphate solubilizing rhizobacteria of paddy growing in Bankura. (Session 2019-20).
- ✓ An In vitro Study on Antibiotic Resistant & Lead Tolerant Phosphate Solubilizing Bacteria of Paddy Rhizosphere. (Session 2019-20)
- ✓ A Study on Microbial Content of Abattoir Waste, their Antimicrobial Susceptibility. (Session 2020-21)
- ✓ Isolation & Identification of Pigment Producing Microorganisms from Waste Water & Biochemical Characterization of Extracted Microbial Pigments. (Session 2020-21)
- ✓ A study on Effective Bioremediation of Pesticides and Heavy Metals of Contaminated Agricultural Soil. (Session 2020-21)

**List of Publications :**

- **Singha. S** and Putatunda. C., **Invitro phosphate solubilization by Halotolerant *Pseudomonas aeruginosa* PHSD5 isolated from paddy rhizosphere.** *Research Journal of Chemistry and Environment* EISSN: 2278-4527 Vol. 20 (5) 2016.
- Ganguly. A., Konar. U., Kundu. A., Ghosh. S., Chatterjee. I., Nad. S., Chatterjee S., Nandi. S., **Singha. S.** and Kali. S. **The prevalence, preventive measures and economic impact of pandemic COVID 19 in India: the initial phase.** *Acta Biologica Szegediensis*. 64(1): 43-61.2020. DOI:10.14232/abs.2020.1.43-61.

**Member of Professional / Technical Bodies :**

- ⊙ Life Member, Bijnan Bharati, India

**National / International seminars / conferences / workshop attended/ Paper presented:**

SI No	Name of Seminar / Workshop / Symposium	Venue/ Conducting & Collaborating Institute	Date & Duration	State / National / International	Nature of Participation
1.	Exploring Basic and Applied Sciences for Next Generation frontier.	LPU, Jalandhar, Punjab	Two days	National	Poster Presentation
2.	Exploitation of Biofertilizers and Biopesticides for sustainable development of modern agriculture	Bankura Christian College	One day	National	Poster Presentation
3.	Recent Advancement Of Biological Sciences.(BRSI)	Panskura Banamali College	One day	State	Poster presentation
4.	Bharatiya Bijnan Sammelan 2012	LPU, Jalandhar, Punjab	Two days	National	Participation
5.	Frontiers In Modern Biology (FIMB)	IISER Kolkata	Two days	National	Participation
6.	Biodiversity Conservation and Bio resources Management: Benefitting Man & Nature	Bankura Sammilani College	One day	National	Poster presentation
7.	Active participation in Work Shop on 'Science Teaching'	G.T.B public School, Durgapur	One day	State	Participation
8.	Research Trends in Medicine & Biology: The issues of health, Ecology & Management	KRRD&S welfare Institute	One day	National	Participation
9.	3 <sup>rd</sup> Annual National Conference 'MCCCON-2020 Bridges between Bioinformatics & Nutrigenomics	Midnapore city College	Three days	National	Poster presentation
10.	Recent Trends in Chemical Sciences RTCS	Bankura Sammilani College	One day	State	Participation
11.	Capacity Building Programme On CCE: CBSE, MICA	St. Xavier's High School	One day	State	Participation

**National / International Webinars/ Online Workshops attended / Paper presented:**

Sl No	Name of Webinar	Venue/ Conducting & Collaborating Institute	Date & Duration	State / National / International	Nature of Participation
1.	Effect Of Alcohol And Diet On Liver And Gut	Guru Nanak Institute of Pharmaceutical Science and Technology, Kolkata	30.05.2020 2Hrs	National	Participation
2.	Future Trends In Academics	CVM University	05 & 06.06.2020 2Hrs/Day	National	Participation
3.	Trajectory of COVID-19 pandemic: Awareness, Treatment and Genomic insight for Future Development	Bankura Sammilani College	14.06.2020 & 15.06.2020 2Hrs/Day	International	Participation
4.	Contemporary Issues and Challenges of Covid 19	Ramananda College	28.06.2020 3Hrs	International	Participation
5.	National Workshop on NAAC Awareness Programme for Assessment and Accreditation	Bankura University & Bankura Zilla Saradamani Mahila Mahavidyapith	28.06.2020 2Hrs	National	Participation
6.	Covid19: Immunoinformatics for Disease Diagnosis & Next Generation Vaccine	Bankura Sammilani College	29.06.2020 2Hrs.	National	Participation
7.	Scanning COVID-19 Pandemic through Gender Lens	<i>Garhbeta College</i>	20.07.2020 2Hrs.	National	Participation
8.	Dengue and its Prevention	Bankura Sammilani College	04.08.2020 2Hrs.	National	Participation
9.	Science, Biology & World's Future	Dinabandhu Andrews College	25.08.2020 3Hrs.	International	Participation
10.	Environmental Deterioration & our Health	Bankura Christian College & K J R Govt. General Degree College	25.08.2020 3Hrs.	International	Participation
11.	Human Virus Interaction: Present & Future Perspective	Sonamukhi College Dept. of Botany & IQAC	26.08.2020 2Hrs.	National	Participation
12.	International Webinar on Cultural Traces: Folk Art Forms of Bankura	Jamini Roy Institute of Art & Culture (Abhibyakti) Bankura University	26.08.2020 & 27.08.2020 2Hrs./Day	National	Participation
13.	COVID-19 Pandemic and Co-infections: Challenges, Prospective Treatments and Societal Impact	Raiganj University	31.08.2020	International	Participation
14.	Nutrition, Health and Stress Management in the context of Covid-19 Pandemic	Bankura Sammilani College	07.09.2020 3Hrs.	International	Participation
15.	Corona pandemic & Application of Indian Philosophical Thought	Bankura Sammilani College	21.09.2020 3Hrs.	National	Participation
16.	Opportunity of Microbiologists in New Normal Era	Vidyasagar University & BRSI, India	26.09.2020 & 27.09.2020	National	Participation
17.	Sustainable Environmental Factors as Immune Busters	Rural Institute of Higher Studies Fakir Mahan University	28.09.2020	International	Participation
18.	Prof. Asim Batra Memorial Webinar	University of North Bengal	30.09.2020 3Hrs.	National	Participation

19.	National Webinar on the occasion of "World Environment Day"	Bankura Sammilani College (IQAC)	05.06.2021	National	Participation
20.	Dreamscape of the White Continent	Bankura Sammilani College (Dept. of Botany, Zoology, NSS & IQAC)	24.07.2021	State	Participation
21.	International Webinar on "Recent Trends in Biological Sciences"	Ramananda College (Dept. of Botany & IQAC)	10.11.21 & 11.11.21	International	Participation

### Faculty Enhancement Program / Workshop / Training Program Attended:

Sl No	Name of Webinar	Venue/ Conducting & Collaborating Institute	Date & Duration	State / National / International
1.	Short Time Training Program on Art on writing Technical Paper.	Maulana Abul Kalam Azad University of Technology, West Bengal : AICTE (Sponsored)	01.06.2021 to 06.06.2021	National
2.	Seven Days Workshop on 'Analytical Techniques in Modern Biology' (ATMB 2022)	Dept. of Biotechnology, Burdwan University, Sponsored by: DSTBT, Govt. of WB	21.04.22 to 27.04.22	National

### Innovative Contribution in Teaching:

- ✓ Computer aided teaching using ICT facility
- ✓ Practical/Experimental base lecture session
- ✓ Interactive Class sessions, AV based lectures
- ✓ Remedial Classes for Back logged students
- ✓ Arranging regular Class test, Assignments to improve learning
- ✓ Course module preparation according to student grasping capacity
- ✓ Online based Lectures (Virtual) through college website
- ✓ Arranging field trips for better understating of topic.

### Academic Responsibilities:

- ⊙ Acted as Paper setter/Examiner/Scrutinizer/Internal Examiners of Bankura University.
- ⊙ Guided Students in Industrial/ Academic Tour since 2014.
- ⊙ Actively supervised students participated in various exhibition/Symposia/Seminars/Webinars etc.
- ⊙ Taught students under U.G.C sponsored scheme 'Entry into the services'.
- ⊙ Acted as of CCA in -charge/coordinator of institution.
- ⊙ Coordinator of 6<sup>th</sup> Months Certificate course on 'Yoga & Value Education' under Bankura University.

**Administrative Responsibilities:**

- Active Member of various committees & subcommittees of institution.
- Acted as organizing member of different Seminars/Webinars & Symposia

**Co-curricular activities:**

- Active member of 'Eco-club' of Bankura Sammilani College

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