

Suranjana Sarkar
suranjana.rhea@gmail.com / suranjanas@svu.ac.in
(8981278415)

Suranjana Sarkar



EXPERIENCE (6 Years: Academic)

1. Assistant Professor, Dept. of Microbiology, School of Life Sciences

Swami Vivekananda University (1/12/2020- Present)

Role

- Provided instructional assistance and monitored student progress.
- Monitored and provided specific information and documentation of student's reading needs and their respective progress.
- Organized and conducted national and international conference, seminars and workshops.
- Served on academic and administrative committees as assigned.
- Contributed to the efficient management and administration of the department and the university.
- Handled undergraduate and graduate course classes.
- Maintained an active research program and motivated active participation.
- Adhered to the academic rules, regulations, policies and standards.

2. Online Educator & Content Developer

e-Aarohan in Collaboration with Government of Bangladesh (08/2020-11/2020)

Role

- Educator for 'Amar Ghor e Amar' School (Bangladesh Government's Online Schooling Platform)
- Content Developer
- Script Writer

3. Faculty & Laboratory In-charge

AM Educare (12/2017- 3/2020)

Role

- Microbiology Faculty
- Study Material & Content Developer
- Laboratory In-charge
- Practical Lab Coordinator

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CAREER ACHIVEMENTS

- Successfully organized and conducted National & International Conferences
- Organizing member of multiple Faculty Development Programs
- Conducted and attended Subject specific Technical Workshops
- International and National journal and book chapter publications
- Attended conference and secured rank

EDUCATIONAL QUALIFICATION

Qualification	Institution	University/ Board	Year	Subject
Post Graduation	Bidhannagar College	West Bengal State University	2017	Microbiology
Graduation	Gurudas College	University of Calcutta	2015	Microbiology (Hons)
Higher Secondary	Indira Gandhi Memorial High School	CBSE	2012	Science (Physics, Chemistry, Biology, English, Bengali, Mathematics)
Matriculation	Indira Gandhi Memorial High School	CBSE	2010	Science, Social Science, English, Mathematics, Bengali

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PROJECT & DISSERTATION

Dissertation

Institute of Post-Graduate Medical Education & Research (IPGMER)

Topic- Aggravation of systemic inflammation as a result of periodontal infection and PAD4 levels in patients with rheumatoid arthritis.

Hands-on Techniques:

- Bacterial DNA Isolation
- ELISA
- Western Blotting
- Anaerobic Culturing of Bacteria
- PCR Amplification

Project

- In-House Value Added Course- Spawn Production & Mushroom Cultivation
- Heavy metal tolerance of novel strain *pfl*e

TEACHING EXPERIENCE

UG & PG Level CBCS based curriculum.

TECHNICAL SKILLS

- Bacteriology
- Biochemical analysis
- Molecular biology
- Immunological Techniques
- Biophysical techniques

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PUBLICATION: 38

Journal Publication

First Author

Type of Journal	DOI No.	Name of the Article	Name of the Author	ISSN No.
Journal of Advanced Zoology	https://doi.org/10.53555/jaz.v44iS6.3712	Recombinant Hormones: Applications And Challenges Article Sidebar	Anwasha Das Semanti Ghosh Bidisha Ghosh Subhasis Sarkar Suranjana Sarkar	0253-7214
Journal of Advanced Zoology	https://doi.org/10.53555/jaz.v44iS6.3718	Exosomal RNA: Interplay and Therapeutic Potential	Sayantani Chakraborty Sampanna Roy Aayushee Chatterjee Falguni Pal Ritu Das Puja Sadhu Semanti Ghosh Bidisha Ghosh Subhasis Sarkar Suranjana Sarkar	0253-7214
Journal of Advanced Zoology	https://doi.org/10.53555/jaz.v44iS6.3717	Application Of Genetic Engineering In Crop Improvement	Prity Singh Semanti Ghosh Bidisha Ghosh Subhasis Sarkar Suranjana Sarkar	0253-7214
Journal of Advanced Zoology	https://doi.org/10.53555/jaz.v44iS6.3716	Unraveling Cellular Heterogeneity: Insights From Single-Cell Omics Technologies	Sulogna Mitra Monalisa Mallik Subhajat Pal Soumili Banerjee Abhijit Kumar Semanti Ghosh Bidisha Ghosh Subhasis Sarkar Suranjana Sarkar	0253-7214
Journal of Advanced Zoology	https://doi.org/10.53555/jaz.v44iS5.3210	Advancing Biomedical Frontiers: Unveiling The Potential Of 3d Bioprinting In Organ Regeneration	Sayani Das Sulogna Mitra Monalisa Mallik Soumili Banerjee Subhajat Pal Abhijit Kumar Semanti Ghosh Bidisha Ghosh Subhasis Sarkar Suranjana Sarkar	0253-7214
Journal of Advanced Zoology	https://doi.org/10.53555/jaz.v44iS6.3713	Unlocking The Potential Of Phytochemicals In Anti-Diabetic Therapy: Mechanisms, Challenges, And Future Prospects	Ankit Pal Shreyoshi Pal Saikat Manna Semanti Ghosh Bidisha Ghosh Subhasis Sarkar Suranjana Sarkar	0253-7214
Journal of Advanced Zoology	https://doi.org/10.53555/jaz.v44iS5.3199	Revolutionizing the Biological Landscape: the Power of Genome Editing	Deeti Das Sudipta Chakraborty Moumita Mukherjee Susoma Garai Semanti Ghosh Bidisha Ghosh Subhasis Sarkar Suranjana Sarkar	0253-7214
Zoological and Entomological Letters	10.22271/letters.2024.v4.i1a.84	Analysis of pathogenic genes in dengue virus	Satabdi Dey, Semanti Ghosh, Bidisha Ghosh, Subhasis Sarkar and Suranjana Sarkar	P-ISSN: 2788-8428 E-ISSN: 2788-8436
Journal of Advanced Zoology	https://doi.org/10.53555/jaz.v44iS6.3708	Genetic Basis And Clinical Perspectives Of Breast Cancer	Santanu Biswas, Subhajat Pal, Sayani Das, Soumili Banerjee, Semanti Ghosh, Bidisha Ghosh, Subhasis Sarkar, Suranjana Sarkar	0253-7214
Journal of Advanced Zoology	https://doi.org/10.53555/jaz.v44iS6.3720	Microbial Plastic Degradation: Nature's Solution for Sustainable Waste Management	Bidisha Santanu Biswas, Subhajat Pal, Sayani Das, Soumili Banerjee, Semanti Ghosh, Bidisha Ghosh, Subhasis Sarkar, Suranjana Sarkar	0253-7214

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Journal of Survey in Fisheries Sciences	https://doi.org/10.53555/sfs.v10i1S.2154	The Key to A Sustainable Future- Algal Biofuel	Alivia Ghosh, Payel Naskar, Satabdi Dey, Souvik Mukherjee, Santanu Biswas, Ritu Das, Subhasis Sarkar, Semanti Ghosh, Bidisha Ghosh, Suranjana Sarkar*	ISSN: 0253-7214
Journal of Survey in Fisheries Sciences	https://doi.org/10.53555/sfs.v10i1S.2140	Phytoremediation- Friendlier and Affordable Approach to Remediate Heavy Metal Pollution	Shirshendu Ghosh, Bidisha Ghosh, Mouli Ghosh, Shouvik Paul, Ankit Pal, Trina Dey, Subhasis Sarkar, Semanti Ghosh, Bidisha Ghosh, Suranjana Sarkar*	ISSN: 0253-7214
Journal of Survey in Fisheries Sciences	https://doi.org/10.53555/sfs.v10i1S.215	The Role of Plant Hormone on Root Development	Suman Sangita Nayak, Sayantani Chakraborty, Sampanna Roy, Sahely Roy, Kesab Ghosh, Ayan Ghorui, Subhasis Sarkar, Semanti Ghosh Suranjana Sarkar*	ISSN: 0253-7214
Journal of Survey in Fisheries Sciences	https://doi.org/10.31632/ijalsr.2022.v05i02.005	Mycoremediation-The promising thread between the present and future	Suranjana sarkar	2687-7937
International Journal of Advancement in Life Sciences Research (IJALSR)	https://doi.org/10.53555/jaz.v44iS6.3712	Assessment of genome stability of pflFB hybrid generations through molecular DNA markers	Suranjana sarkar, Nilanjana Bag, Pijush Mallick	25814877

Co-author

Type of Journal	DOI No.	Name of the Article	Name of the Author	ISSN No.
Journal of Survey in Fisheries Sciences	https://doi.org/10.53555/sfs.v10i1S.2144	Analytical approach of micro-RNA interaction study in ovarian cancer, Journal of Survey in Fishery Sciences.	Ankita Sen, Ishita Mondal, Sourav Das, Shrabani Roy, Moumita Mondal, Ritika Roy, Suman Sarangi, Sourav Banerjee, Suranjana Sarkar, Bidisha Ghosh, Subhasis Sarkar, Semanti Ghosh	ISSN: 2368-7487
Journal of Survey in Fisheries Sciences	https://doi.org/10.53555/sfs.v10i1S.2145	Structural and functional relationship study in plant salinity stress	Bipasha Chakraborty, Rajiv Gosai, Deep Saha, Biswajit Nayek, Piyasha Biswas, Abhimanyu Das Gupta, Riya Ghosh, Bidisha Ghosh, Subhasis Sarkar, Suranjana Sarkar, Semanti Ghosh	ISSN: 2368-7487
Journal of Survey in Fisheries Sciences	https://doi.org/10.53555/sfs.v10i1S.2146	Role of pathogenesis-related (PR) proteins in plant microbes defense mechanism	Subhasri Dalalthakur, Puja Singh, Shruti Singh, Atin Sasmal, Tania Deb, Srijani Karmakar, Tilottoma Dasgupta, Subhasis Sarkar, Suranjana Sarkar, Bidisha Ghosh, Semanti Ghosh	ISSN: 2368-7487
Journal of Advanced Zoology	https://doi.org/10.53555/jaz.v44iS5.3222	Biofertilizer and their importance in sustainable agriculture.	Sourav Banerjee, Suranjana Sarkar, Subhasis Sarkar, Bidisha Ghosh, & Semanti Ghosh.	ISSN: 0253-7214
Journal of Advanced Zoology	https://doi.org/10.53555/jaz.v44iS5.3304	Tuberculosis - A multisystemic disease and antimicrobial resistance in Mycobacterium tuberculosis.	Tilatoma Dasgupta, Bidisha Ghosh, Suranjana Sarkar, Subhasis Sarkar, & Semanti Ghosh.	ISSN: 0253-7214
Journal of Advanced Zoology	https://doi.org/10.53555/jaz.v44iS5.3302	Genetic Diagnosis of Vexas Syndrome: A New Rare And Deadly Autoinflammatory Disorder In Adults.	Srijani Karmakar, Sahely Roy, Suranjana Sarkar, Bidisha Ghosh, Subhasis Sarkar, & Semanti Ghosh.	ISSN: 0253-7214
Journal of Survey in Fisheries Sciences	https://doi.org/10.53555/sfs.v10i1S.2141	Water Reclamation Through Nano-remediation & Bioremediation: A Weal Against Conventional Chemical Techniques	N Pal et al	ISSN: 2368
Journal of Survey in Fisheries Sciences		Scavenging of Waste Water Using Oyster Mushrooms	Noor et al	ISSN: 2368
Journal of Survey in Fisheries Sciences		Study About the Absorption Pattern of Soil Chromium By Perennial Flowering Herbs	Saha et al	ISSN: 2368
Journal of Advanced Zoology	https://doi.org/10.53555/jaz.v44iS5.3202	Immunity Risk Associated with Cytomegalovirus Infection After Organ Transplantation.	Roy et al	ISSN: 0253-7214
Journal of Survey in Fisheries Sciences	https://doi.org/10.53555/sfs.v10i1S.2152	Phytoremediation: A Way Forward Towards Heavy Metal Management	Sarkar et al	ISSN: 2368-7487
Journal of Survey in Fisheries Sciences	https://doi.org/10.53555/sfs.v10i1S.2143	Mycoremediation is a Potential Strategy for Environmental Clean-up of Heavy Metal: A Review	Sarkar et al	ISSN: 2368-7487

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Journal of Survey in Fisheries Sciences	https://doi.org/10.53555/sfs.v10i1S.2151	Therapeutic Role of Probiotics In Managing Various Diseases	Sarkar et al	ISSN: 2368-7487
Journal of Survey in Fisheries Sciences	https://doi.org/10.53555/sfs.v10i1S.2142	Phosphate Solubilizing Bacteria: A potential biotic component for solubilizing phosphate in soil and its application as Biofertilizer: A Review	Sarkar et al	ISSN: 2368-7487

Book Chapter Publication:

DOI No.	Name of the Article	Name of the Author	ISBN No.
10.1201/9781003391494	An Overview of Bioremediation Using Bioadsorbents	Suranjana Sarkar , Tina Basu , Subhamoy Banerjee , Ruchira Mukherjee	ISBN: 978-1-032-45370-5 (hbk) ISBN: 978-1-032-48933-9 (pbk) ISBN: 978-1-003-39149-4 (ebk)
https://doi.org/10.1007/978-3-031-73796-1_15	Microbial Interventions in Bioremediation of Nuclear Waste	Sarkar et al	978-3-031-73795-4
https://doi.org/10.1201/9781003454199	Advancing Sustainable Wastewater Treatment: Unleashing the Potential of Nano-Sponges for Effective Remediation	Ghosh et al	9781003454199
	Pioneering the Next Frontier: Innovative Approaches to Tackle Antibiotic Resistance	Sarkar et al	9789361352362
https://doi.org/10.62906/bs.book.213	Sustainable Use of Waste Natural Products in Biomimetic Scaffolds & Tissue Engineering: A Concise Review	Pratiksha Bhowmik, Subhasis Sarkar, Suranjana Sarkar and Bidisha Ghosh	978-93-6233-478-7
https://doi.org/10.62778/int.book.479	Decoding Food Spoilage: Microbial Culprits and Mechanisms	Diksha Adhikari, Semanti Ghosh, Bidisha Ghosh, Subhasis Sarkar and Suranjana Sarkar	978-93-5834-436-3
https://doi.org/10.62778/int.book.479	Exploring the Role of Melatonin in Disease Prevention and Anti-Aging	Jhili Das, Semanti Ghosh, Bidisha Ghosh, Subhasis Sarkar and Suranjana Sarkar	978-93-5834-436-3
	Microbiome Principles and Explorations	Sarkar et al	978-93-5980-246-6
	Aloe Vera: An In-Depth Exploration of Its Therapeutic and Medicinal Uses	Sarkar et al	9.78936E+12
	Pioneering the Next Frontier: Innovative Approaches to Tackle Antibiotic Resistance	Sarkar et al	9.78936E+12

Other Publication Details (if any)

Patent Publication

SYSTEMATIC APPROACH TO STUDY THE IMPACT OF BACTERIOPHAGE COCKTAILS AS ANTIBACTERIAL AGENTS IN CROP PROTECTION

Application No.202311001233 A

Date of filing of Application :05/01/2023

Publication Date : 13/01/2023

OTHER INFORMATION

Software & Computer Skills	MS Office, Photoshop, Digital Marketing & Google G Suite
Languages	English, Hindi and Bengali

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Co-curricular	Copy Writing Content Writing Voice Acting Crafts Swimming
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PERSONAL INFORMATION

Gender	Female
Father's Name	Lt. Sourendra Mohon Sarkar
Mother's Name	Manjushree Sarkar
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Contact	8981278415
e-mail	suranjana.rhea@gmail.com / suranjanas@svu.ac.in

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