Murshidabad-University

Photo 

FACULTY ACADEMIC PROFILE/ CV

Full name of the faculty member: SOMDIP MAJUMDAR

Designation: SACT

Contact information: 2 P.C.N.LANE, BERHAMPORE, MSD, WB-742101

MOB.: 9434115522, Mail: somdipmajumdar@ gmail.com

Academic qualifications:

College/University from which the degree was obtained	Abbreviation of the degree
Sri Satya Sai University of Technology and Medical Sciences	**Ph.D.**
Vidyasagar University	**M.B.A.**
Karnatak University	**M.Sc.**
C.M.C. Ltd. Kolkata (An India Govt. Enterprise)	**P. G. Course in Applied Computer Science**
Calcutta University	B.Sc.
W.B.C.H.S.E.	Higher Secondary
W.B.B.S.E.	Secondary

Positions held/ holding:

- **Assistant Head of the P.G. Department of Sericulture in Murshidabad University.**
- **Head of the Department of Sericulture in Krishnath College.**
- **Worked as a Coordinator, Placement and Training Section, Krishnath College.**
- **Worked as a Member of Syllabus Committee and Member of Board of Studies in Sericulture in Murshidabad University.**
- **Worked as an Invitee Member of Board of Studies in Sericulture in Kalyani University.**
- Worked as a **Consultant in Hand Loom Mega Cluster**, Murshidabad, Sponsored by **Ministry of Textile; Govt. of India.**
- **Member of Reviewer Board of Centre for Business & Economic Research Journal, UK**

Research interests: Silkworm Rearing, Mori-culture, Instrumentation, Crop Protection, Seed Technology, Silk Technology, Extension, **Entrepreneurship Development, Sccioeconomic Development, Women Empowerment, Management** etc.

Research guidance: Guided around 200 students from own department and students from Asutosh College, Sreerampur College, Moulana Azad College, N.S.O.U. etc. in their dissertation work.

Projects: **Completed (2018-2024) DST, W.B. funded research project as Co- PI with PI Dr. Dipak Som, Moulana Azad College, Kolkata. Project Title: " Studies on the Silkworm (*Bombyx mori* L) Nourishment level at Larval Periods and the Growth thereafter with immune power" .**

Select list of publications (Only number):

a) Journals:25

b) Books/ book chapters:3

c) Conference/ seminar volumes:25

Membership of Learned Societies: Member of Institute of Scholars (InSc), Karnataka, India

Invited lectures delivered:

- Being invited as a speaker in IQAC Seminar, Dinabandhu Mahavidyalaya, Bangaon (2022).
- Being invited several times to deliver lecture in different School Science Exhibitions.
- Worked several times as a **subject matter specialist** in **Farmer' s Meet** organised by **Dept. of Agriculture, W.B. Govt.** in collaboration of **ATMA Project, Govt. of India.**
- Worked several times as a **subject matter specialist** in the **C.S.R. & T.I.,** Berhampore.
- Worked several times as a Resource Person in the **Training and EDP** programme arranged by the organisations like **WEBCON, DIC, ATMA,** and various **N.G.O.**
- Worked several times as a **Subject Matter Specialist** in **talk shows and agriculture** related programmes in **All India Radio.**

Awards:

- **Received 2nd Prize in model Presentation at 5th regional Science and Technology Congress, Malda region 02 by WBSSTC (2022-23).**
- **Awarded Outstanding Model Presentation in West Bengal State Science Congress 2022-23 on Ericulture and its messages held in Science City, Kolkata 28th February and 1st March' 2023.**
- **Received Research Excellence Award in 2023 by InSc International Publishers.**

Other notable activities:

- Shortlisted 2 times (2005-2006 and 2006-2007) for Chinese Government fellowship for Doctoral Studies in China by Government of India.
- Research proposals were granted in Zhejiang University, Hangzhou, China and I was offered to conduct research.
- Ranked III rd in Karnataka University Inter Collegiate Table Tennis Tournament in 2000 also elected as Gymkhana Representative from students in KUD in 2001-2002.
- **Shortlisted for Agriculture Grand Challenge Masterclass sponsored by Govt. of India (2019).**
- **Shortlisted for S.P. Roychowdhuri Memorial Award (2022) sponsored by Zoological Society Kolkata.**
- **Patent : 5 (Indian)**

Patent Number	Publication
202231011366	08.04.2022
202241004384	02.04.2022
202241033428	17.06.2022
20224103122	17.06.2022
202211040792	16.07.2022

List of Journal Publication/ Conference Papers: (Last ten years)

1. Majumdar. S., (2016) Potential Eco-Races of Tasar Silkworm *Antheraea mylitta* D in India, 1st Regional Science and Technology Congress 2016, Presidency Division, West Bengal.
2. Saha. S., Basu. G., Rahman. A. and Majumdar. S., (2016) An alternative method of softening cocoons in the reeling processes to obtain silk yarn., UGC sponsored National Level Seminar on Socio economic impact of integrated disease management in Sericulture in the tribal villages of West Bengal in C.S.S. College in collaboration with Bose Institute.
3. Majumdar. S., (2016) Efficacy of few plants extracts on *Aspergillus oryzae* Whemer causing Aspergillosis disease in mulberry silkworm *Bombyxmori* L., India International Science Festival-Young Scientists' Conclave (YSC), New Delhi.
4. Majumdar. S., (2017) A Diagnostic Study on the Effect of Air Pollution on N x $M_{12}W$ Hybrid of Mulberry Silkworm (*Bombyx mori* L.) 2nd Regional Science and Technology Congress 2017, Northern Region, Siliguri, West Bengal.
5. Majumdar. S., (2017) Effects of Water Quality on Reeling Performance and Raw Silk Yarn Quality in an Automated Reeling Unit in Murshidabad. 2rd Regional Science and Technology Congress 2017, Western Region, Burdwan, West Bengal.
6. Majumdar. S., Majumdar. P. (2017). A Study on the Impact of KanyashreePrakalpa on Girl Child in West Bengal. 2nd Regional Science and Technology Congress 2017, Southern Region, Kalyani University, WB.
7. Majumdar. S., Khatry. S. (2018) An analysis on traits of Eri silkworm in relation to seasonal variation. Airo International Research Journal: Vol.: 13, Issue: 1, 1509 - 1520.
8. Majumdar. S., (2018) Potential Use of Discarded and Left Over Mulberry Leaves as Fodder for Cows, Goats and Sheep. 3rd World Congress of Vedic Sciences, January 10 - 13, 2018, Deccan College, Deemed University, Pune.
9. Majumdar. S., Khatry. S. (2018) Evaluation of Different Strains of Eri Silkworms for their adaptability. Airo International Research Journal: Vol.: 16, Issue: 2, 1909 - 1918.
10. " Artificial late brushing of mulberry silkworm" Paper presented in Golden Jubilee International Conference on Trends in Zoology: University of Burdwan, West Bengal, 3-4th January 2019
11. " Involvement of Women workers in Sericulture Practice at some places of District Murshidabad, West Bengal which leads to women Empowerment and rural development" ; Susanta Kumar Chattopadhyay and Somdip Majumdar. Chapter 9, Mittal Publications (ISBN Publishers, 4594/9 Daryaganj, New Delhi, 110084) November 2019)
12. " Socio economic approach for the Women empowerment and Rural development in sericulture Sector." Somdip Majumdar, Upasana Chattopadhyay, and S. K. Chattopadhyay, The endangered gender sub-versioned identity of women and social peril, International Seminar, at Krishnath college, Berhampur, Paper presented on 9th July 2019.
13. Paul. D., Gurung. C., Majumdar. S. (2021) Ehnobotanical uses and distribution of ' Som' /' Kaulo' *Machilus gamblei* (Lauraceae), a primary food plant of Muga silkworm in Darjeeling foothills of West Bengal. ENVIS Newsletter Vol. 26(1), 2021.
14. Som. D., Majumdar. S. et. al. (2022), " Studies on some Haematological parameters including Cellular Phagocytosis interaction occurring in the larval stages as well as in imago of Bombyx mori L. (Lepidoptera: Bombycidae) Breeds" Indian J. Applied & Pure Bio. Vol. 37(2), 488-498 (2022).
15. SK Nuri, Dr. Somdip Majumdar, Dr. Salil Raha, Dr. Humayon Kabir , Dr. Susanta Chattapadhyay , Dr. Gopinath Baur (Sep, 2022) " Gastro protective effect of crude sericin powder, against aspirin induced gastric mucosal injuries in rats" . Research article, International *Journal of advanced* Research,10 (09), 965-972, Article DOI : https://doi.org/10.21474/IJAR01/15443 (ISSN No - 2320 - 5407)
16. SK Nuri, Dr. Somdip Majumdar, Dr. Salil Raha (January 2023). " Agro based Sericulture Waste for the development of rural based industry in India" . Journal of Bio-research 2(2), https://doi.org/10.56716/4/34325
17. Dipak Kumar Som, Somdip Majumdar, Jesmine Murshed, Monika Das and Salil Raha (2022). " Studies on some Haematological parameters including Cellular Phagocytosis interaction occurring in the larval stages as well as

in imago of *Bombyx mori* L. (Lepidoptera: Bombycidae) Breeds" . Indian J. Applied & Pure Bio. Vol. 37(2), 488- 498 (2022) ISSN : 0970-2091.

18. Dipak Kumar Som, Jesmine Murshed, Supradipta Dutta, Somdip Majumdar & Salil Raha. " Cell types study on fat bodies of popular silkworm breed of *Bombyx mori* L. for better understanding of their attribute and to correlate the changes in biochemical make up" . 5th Regional Science & technology congress, 2022-2023, Region 04, Abstract Book, Page 237
19. Somdip Majumdar, Prolay Chakraborty, Salil Raha, Susanta Chattopadhyay, Gopinath Baur. " Pure line strain of Eri silkworm and castor host plant together make out a gifted " Bio-economy model" on the side of silk Industry in India" . 5th Regional Science & technology congress, 2022-2023, Region 03, Abstract Book, Page 22.
20. Somdip Majumdar, Sk Nuri, Salil Raha, Dipak Som, Susanta Chattopadhyay, Gopinath Baur. " Endorsing bio-nutrients enriched waste silk reeling water as periodical irrigation water source and added health food for plants in different agriculture fields and mulberry garden" . 5th Regional Science & technology congress, 2022-2023, Region 02, Abstract Book, Page 04
21. Somdip Majumdar, Sk Nuri (2022). " Sericulture being an ideal tool for women empowerment in India can be boosted effectively through vocational training and education" . International Seminar on EQUALITY OF OPPORTUNITY IN EDUCATION FOR GIRLS by Murshidabad University, dated 30th November 2022, Abstract Book
22. Somdip Majumdar, Salil Raha, Susanta Chattopadhyay, Gopinath Baur, Sk. Nuri. " Preparation of exploitable silk sericin obtained from non mulberry silk waste (Order: Lepidoptera; Family: Saturniidae) for generating extra income to non-mulberry reelers / spinners cum weavers" . 6th Regional Science & technology congress, 2023-2024, Region 02, Abstract Book, Page 150
23. Salil Raha, Somdip Majumdar, Susanta Chattopadhyay, Gopinath Baur, Priyadarshika Handique. " Exploiting the vast opportunities for Seri-Eco-Tourism in West Bengal and boosting up the silk industry to a new dimension for a sustainable socio-economic development through S-E-T." . 6th Regional Science & technology congress, 2023-2024, Region 02, Abstract Book, Page 225
24. Somdip Majumdar, Tanvi Rahman, Dipak Kumar Som, Salil Raha. " Investigations on the quantitative features related to larval growth and development as well as good health of a commercial breed of silkworm , *Bombyx mori* L." . International Educational Applied Scientific Research Journal [IEASRJ] Volume : 09 | Issue : 01 | January 2024 | e-ISSN : 2456-504
25. Somdip Majumdar, Rituparna Banerjee, Salil Raha and Susanta Chattopadhyay. " Isolation of Different Bacterial Strains with Super Cellulolytic Activities from Rearing Bed Refusals (Leftover Mulberry Pulp, Excreta) of Silkworm (*Bombyx Mori* L.) for Further Commercial Use in Biotechnological Field" . 7th Regional Science & technology congress, 2024-2025, Region 02, Abstract Book, Page 285
26. Salil Raha, Preet Biswas, Somdip Majumdar and Gopinath Baur. " Preparation of Quality Handmade Paper (HMP) by Using Leftover Mulberry Leaves (*Morus Alba* L.) Collected from Silkworm Rearing Bed as a Waste to Facilitate Silkworm Rearers with Extra Income from a New by Product Item in Sericulture Sector and Boosting Small Scale Paper-Cum Packaging Industries" . 7th Regional Science & technology congress, 2024-2025, Region 02, Abstract Book, Page 316
27. Sk Nuri, Nibedita Mistry and Somdip Majumdar. " Labour Migration from Murshidabad: A Socio-Economic Perspective" . 7th Regional Science & technology congress, 2024-2025, Region 02, Abstract Book, Page 320.
28. Y Surjalata Devi, Anowar Hossain, W. Sapana Devi, Debaraj Yumnam, Somdip Majumdar and Raviraj V S. " Assessment of Stable Strains of Eri Silkworms (*Samia ricini*) for Commercial Silk Production under the Climate of Manipur" . Advances in Research,Volume 26, Issue 1, Page 369-377, 2025; Article no.AIR.131515, ISSN: 2348-0394, NLM ID: 101666096
29. Abstract titled " The state of being alive and separation of bacterial strain with high cellulose activity from left over mulberry pulp excreted by silkworms, *Bombyx mori* L. assuming immense scope in biotechnological applications." has been selected for oral presentation and further publication in International Conference on Innovations in Science and Technology: A perspective of Viksit Bharat@2047 by Science Foundation & University of Delhi to be held on 19-20 March, 2025.