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M.Sc. (Botany, Spl- Microbiology), B.Ed, Ph.D (Microbiology)

Assistant Professor of Botany (Present)
Officer-in-Charge (Former)
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Address: Bolpur Hattala, Birbhum-731204 Ex-student of Visva-Bharati (B.Sc., M.Sc., B.Ed, Ph.D, Post Doc)

Gold Medal (Kaviraj Sri Narayan Sharma Memorial Medal) awarded for Best

Oral Presentation of The Paper Entitled “*Antidiabetic and antimicrobial properties of some medicinal plants used by tribes*” in 4th Intenational Seminar,
Asian Network Research On Antidiabetic Plant (ANRAP), Jan 16-18, 2004,Kolkata.

Switzerland visited for International Cultural Summit organized by Music Festival of Switzerland: 2013

Research paper published (National -4 and International -6)

- **Humboldt Kolleg on Ecotourism: Sponsored By Govt. Of Germany.** Jan. 18-20, 2005, Mirik.
Paper- ‘*Antimicrobial activity of some tribal herbal medicine*’
- **Bioresource Technology, ELSEVIER journal**
‘*Ferulic acid esterase production by Streptomyces sp*’.
2005
- **Journal of Natural Hitory, Kolkata, title of the paper-**
‘*Amelioration of rat adjuvant arthritis by potentized Causticum and Rhus tox*’
Vol.1 pp.55-62. June,2008
- **Journal of Environment and Ecology, Kalyani, title of the paper-**
‘*Potentized drugs enhance growth of pigeon pea*’
26(3): 1115-1118, 2008.

- **Indian Journal of Environment and Ecology**, Kalyani, title of the paper-
‘Potencies of *Aurum metallicum* and *Colchicum* ameliorate adjuvant arthritis in albino rats’
27(48): 2082-2087, 2009.
- **International Journal of Pharmaceutical sciences and Research**, title of the paper-
‘*Peltophorum pterocarpum*: Chemical and pharmacological aspects.’ IJPSR Vol. 5, Issue 1; 26-36,
January, 2014 (Impact factor 1.89).
- **International Journal of Der Pharmacia Letters (Scholar Research Library)**, title of the paper-
Antibacterial Activity of Some Medicinal Plants Available in Panchet and Panchokot Hills, Purulia, West Bengal, India 5 (6): 20-23, 2013
- **International Journal of Natural Products Research**, title of the paper-**‘chemical and pharmacological aspects of *Limnophila rugosa*: an update’** 3(4): 120-124, 2013.
- **American Journal of Phytomedicine and Clinical Therapeutics**, title of the paper-**‘Chemical and Pharmacological Aspects of *Limnophila aromatica* (Scrophulariaceae): An Overview’**
AJPCT[2][3][2014]348-356, 2014
- **International Journal of Pharmaceutical Sciences Review and Research**, title of the paper-**‘Chemical and Pharmacological Aspects of *Limnophila heterophylla* (Scrophulariaceae): An Overview**
Int. J. Pharm. Sci. Rev. Res., 25(2), Mar – Apr 2014; Article No. 19, Pages: 100-102

Paper presented:

- International Conference IC – ANTIOXIDANT– 03, July 15-16, Jadavpur University, Kolkata, India
- 4th International Seminar, Asian Network Research On Antidiabetic Plant (ANRAP), Jan 16-18, 2004, Paper “*Antidiabetic and antimicrobial properties of some medicinal plants used by tribes.*”
- Role Of Microbes In Agriculture, Industries and Mines. March 21, 2004. Organized- Dept. of Botany, Utkal University. Paper “*Antimicrobial activity of tribal herbal medicine*”.
- Humboldt Kolleg on Ecotourism: Sponsored By Govt. of Germany. Jan. 18-20, 2005, Mirik. Paper “*Antimicrobial activity of some tribal herbal medicine*”.

National Symposium on Tribal Health, Regional Medical Research Centre For Tribals (**ICMR**), Jabalpur. Paper “ *Antimicrobial activity of some tribals herbal medicine and their health care: A participatory scientific approach*”.

Workshop/Symposium and Training Programme:

- Training Programme In **Rural Biotechnology** and Entrepreneurship. June 22-27,2003, Organized- Dept. of Food Technology and Biochemical Engineering, Jadavpur University and BITM, Santiniketan, Bolpur.
- **Food Workshop**-2004 (20th August 2004), organized- Dept. of Food Technology and Biochemical Engineering, Jadavpur University.
- Workshop Cum Training Course On **Molecular Microbiology**. Jan 27- Feb 1, 2003, organized- Electron Microscope Society of India, EMSI-ZCR, USIC, Jadavpur University.
- Training Programme on Cultivation and Commercialization of **Medicinal and Aromatic Crops**. July 28th-29th, 2003, Organized- Binoy Krishna Choudhury Rural Technology Centre, Burdwan University and District Food Processing Industries and Horticulture office, Burdwan Zilla Parishad.
- Training Workshop on **Environmental Biotechnology** Under Envis. March 21, 2003, organized- Centre on Environmental Biotechnology at the Dept. of Environment Sciences, University Of Kalyani, W.B. Sponsored By Ministry of Environment and Forest.
- Training Course on **TLC/ HPTLC**. Sep 23-25, 2004, Organized-CAMAG Switzerland organized, Application Research Laboratory (*Anchrom*) In Mumbai

Seminar/Symposia (National/International):

- National Conference On Plants, Microbes and Environment: Issues and Challenge, March 20-21, 2004. Dept. Of Botany, Special Assistance Programme (UGC), University Of Burdwan. Paper “*Vanillic Acid-A Biotransformed Product Of Ferulic Acid By Streptomyces sp.*”

- National symposium on Current Trends In Research On Microorganisms. Feb-15-16, 2003 organized-Indian Mycological Society and Dept. of Botany, Calcutta University.
- National Seminar On Quality Of Life. Nov 16-18, 2002. Organized- Visva-Bharati and Indian Association for Productivity, Quality and Reliability.
- Role Of Microbes In Agriculture, Industries and Mines. March 21, 2004. Organized- Dept. of Botany, Utkal University.
- International Conference IC – ANTIOXIDANT– 03, July 15-16, Jadavpur University, Kolkata, India
- 4th International Seminar, Asian Network Research On Antidiabetic Plant (ANRAP), Jan 16-18, 2004, Kolkata. Paper “*Antidiabetic and antimicrobial properties of some medicinal plants used by tribes.*”
- Humboldt Kolleg on Ecotourism: Sponsored By Govt. of Germany. Jan. 18-20, 2005, Mirik. Paper “*Antimicrobial activity of some tribal herbal medicine*”
- International Conference Microbial Diversity: Current Perspectives and Potential applications. April 16-18, 2005, New Delhi (INDIA). Paper “*Microbial bioprocess for the production of vanillic acid from agroresidues*”
- International Seminar On Recent Trends in Zoology: March 8th, 2011, Organized-Post Graduate Department Of Zoology Jhargram Raj College, Paschim Medinipur.
- International Conference on Homeopathy, Molecular to Organismal level, December 10-12, 2010, Organized- International Society for Bioregulatory Medicine, London.

Guided- Project for M.Sc. Biotechnology students:

- Screening of antibiotic producing soil *Streptomyces*. (2003)
- Bioconversion of ferulic acid by soil *Streptomyces*. (2003)
- Antibiotic production by chitin utilizing *Streptomyces sp.* (2003)
- Protease production from soil bacteria. (2004)
- Solid state fermentation for the production of thermostable alpha- amylase by *Bacillus licheniformis* A103 (2004)
- Screening for lactic acid producers and optimization of fermentation conditions. (2004)
- Variation in nutritional conditions for endospore formation in *Bacillus circulans* 1A1. (2005)
- Variation in nutritional and environmental conditions for pigment production in microorganisms. (2005)

Life member of AMI

Extra-Co-Curricular: 1. Folk Musician (Baul)

2. Photography