

## C.V of Dr. Sanjib Ghoshal



- ❖ **Name:** Dr. SANJIB GHOSHAL
- ❖ **Nationality:** Indian.
- ❖ **Date of Birth:** 9<sup>th</sup> December, 1976.
- ❖ **Father's Name:** Shri. Lalit Mohan Ghoshal.
- ❖ **Communicating Address:** 13/2 Upendranath Mukherjee Road,  
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- ❖ **Academic Qualification:**

Exam Qualified	Year	University	Remark
B.Sc. (Zoology-H)	1996	Calcutta University	First class First Div.
M.Sc. (Zoology)	1998	Calcutta University	First class
B.Ed.	2000	Calcutta University	First class
Ph.D.	2006	Jadavpur University	Title of the Thesis: STUDIES ON TAXONOMY AND BIOECOLOGY OF PHYTOPHAGOUS AND PREDATORY MITES OCCURRING ON MANGROVE PLANTS AND AGRIHORTICULTURAL CROPS IN SUNDARBANS BIOSPHERE RESERVE AND RELATION OF MITE FEEDING WITH BIOCHEMICAL COMPONENTS OF SOME OF THOSE PLANTS
Qualified SLET in 2000.			

- ❖ **Special award Received:**
  - a. Awarded as “**National Scholar**” in 1998.
  - b. Nominated for “**Bharat Jyoti Award**” by India International Friendship Society (IIFS), New Delhi, in 2014.
- ❖ **Present Status:**
  - a. Associate Professor, Post Graduate Department of Zoology, Bangabasi College, CU, Kolkata-700009.
  - b. **Member, Ph.D. Committee, Jadavpur University.**
  - c. **Joint Supervisor for Ph.D. Department of Marine Science, University of Calcutta,**
  - d. Life member, “Social Environmental and Biological Association” (SEBA), West Bengal.
  - e. Life member of “Susama Devichoudhurani Marine Biological Research Institute”, Sundarbans Biosphere Reserve, West Bengal.
  - f. Life member, The Zoological Society, Kolkata.
  - g. Member of Postgraduate Expert Committee, Department of PG studies in Zoology, Bangabasi College, Kolkata700009.

- ❖ **Research Experience:** 22 years.
- ❖ **Teaching Experience:** 22 years. (UG and PG teaching)
- ❖ **Publications:** 34 national, International and Foreign publications. [Vide Annexure- I]
- ❖ **Research Guiding:** Guided **two** Ph.D. students and **five** M.Phil. students. [Vide Annexure- II & III].
- ❖ **Projects Executed:** Vide Annexure- IV
- ❖ **Books Published:**
  1. Problem solving approach on Molecular Biology, Genetics, Evolution, Biodiversity, Taxonomy and Biostatistics. Dr. Sanjib Ghoshal, Publisher: Techno World, **ISBN No: 978-93-88347-16-7., 2019.**
  2. Taxonomy-Principle and Problem, Dr. Sanjib Ghoshal, Publisher: Techno World, **ISBN No: 978-93-88347-54-9. 2020.**
  3. Fundamental Zoology (Parasitology & Biology of Insects), Dr. Sanjib Ghoshal and Dr. Avinaba Mukherjee, Publisher: Santra Publication Pvt. Ltd. **ISBN NO: 978-93-92426-43-8. 2022.**
  4. Practical Zoology Manual, Dr. Sanjib Ghoshal, **ISBN NO: 978-81-19777-67-9**

## Annexure - I

### List of the Published, Accepted and Communicated Papers

- ❖ M. Nag, S.B.Bhattacharya, M. Saha, **Sanjib Ghoshal**, B.K. Pandey & A. Choudhury. Isolation and characterization of *Westilopsis prolifica* Janet from mangrove vegetation of SBR, West Bengal, India. *Proc. National seminar on biodiversity Conservation and Management with special emphasis on Biosphere Reserve, EPCO, Bhopal, 24-27<sup>th</sup> Nov, 2000*, pp. 179-181.
- ❖ K.L. Das, **Sanjib Ghoshal**, A.Mitra and A. Choudhury, Finfish juveniles diversity in the drifting community of SBR, West Bengal. *National seminar on biodiversity Conservation and Management with special emphasis on Biosphere Reserve, EPCO, Bhopal, 24-27<sup>th</sup> Nov, 2000*, pp. 196-204.
- ❖ S.K.Gupta, **Sanjib Ghoshal** and A. Choudhury Life cycle of *Amblyseius alstoniae* gupta, at room temperature feeding upon *Eotetranychus hicoriae* on guava (*Psidium guajava*). *Rec. Zool. Serv. India.*, **101** (1-2): 93-99 (**2003**).
- ❖ **Sanjib Ghoshal**, S. K. Gupta and A. Choudhury. Diversity of phytophagous and predatory mites on mangrove and agri-horticultural crops in Sundarban Biosphere Reserve, West Bengal. *Rec. Zool. Serv. India.* **101**(3-4): 61-68 (**2003**).
- ❖ S.K Gupta, **Sanjib Ghoshal** and A. Choudhury. Phytophagous and predatory mite fauna of Sundarban Biosphere Reserve. i. Some phytophagous mites occurring on mangrove vegetation and agri-horticultural crops. *Rec. Zool. Serv. India.*, **101**( 3-4): 68-79 (**2003**).

- ❖ **Sanjib Ghoshal**, A. Patra & A. Choudhury. Sustainable growth of *Westilopsis prolifica*(janet) in different ph and sali9nity ranges isolated from S.B.R. *Environment and Ecology, Kalyani*, 21(4): 801-803, (2003).
- ❖ S.K Gupta, **Sanjib Ghoshal** and B. Mukherjee. Phytophagous and predatory mite fauna of Sundarban Biosphere Reserve.: ii. Some predatory mites occurring on mangrove vegetation and agri-horticultural crops. *Rec. Zool. Serv. India*. **103** (3-4): 1-13.(2004).
- ❖ **Sanjib Ghoshal**, S.K.Gupta, and A. Choudhury. Life cycle of *Amblyseius multidentatus* (Swirski & Shechter), at room temperature feeding upon *Eotetranychus fremonti* on *Avicennia alba*. *Rec. Zool. Serv. India*. **102** (3-4): 47-52 (2004).
- ❖ **Sanjib Ghoshal**, S.K. Gupta & B. Mukherjee, Seasonal abundance of phytophagous and predatory mites on mangrove vegetation & agri-horticultural crops of Sundarban Biosphere Reserve, *Acarina, Moscow, Russia*. **12** (1): 49-56 (2004).
- ❖ **Sanjib Ghoshal**, S.K.Gupta & B.Mukherjee. Depletion of organic compounds in the leaves of Bani (*Avicennia alba* Blume), Guava (*Psidium guajava* Linn), Jute (*Corchorus capsularis* Linn), and Pumpkin (*Benincasa cerifera* Savi) due to feeding of mite. *Rec. Zool. Serv. India*, 105 (1-2): 1-6, (2006).
- ❖ **Sanjib Ghoshal**, S.K.Gupta & B.Mukherjee. Life cycle of *Tetranychus neocaledonicus* Andre on *Rhizophora mucronata* Lamk, under laboratory condition at controlled temperature. *Rec. Zool. Serv. India*. **106** (2): 61-65, (2006).
- ❖ Snehasis Barman & **Sanjib Ghoshal**. Effect of mite feeding in relation with the depletion of some important organic minerals and inorganic compounds in the leaves of Coconut (*Cocos nusifera*). *Env. & Ecol.*, India. **27**(4A):1746-1748, (2009).
- ❖ **Sanjib Ghoshal**, Snehasis Barman, Aryya Mitra and Manjubikash Saha. Fluctuation of population and role of feeding on Papaya (*Carica papaya*) by the spider mite *Oligonychus indicus* (Hirst). *NBU J.Anim.Sc.* 4:16-21, (2010).
- ❖ Snehasis Barman, **Sanjib Ghoshal**, & Manjubikash Saha. Population fluctuation and feeding potentiality of false spider mite *Tenuipalpus pernicis* (Chaudhri, Akbar and Rasool) on Papaya (*Carica papaya*) plant. *Env. & Ecol.*, Kalyani. India., 29(2A): 889-872, (2011).
- ❖ **Sanjib Ghoshal** & Snehasis Barman. Biochemical changes in relation to the infestation of *Tetranychus ludeni* Zacher on the leaves of Chilli (*Capsicum frutescens*). *Env. & Ecol.* Kalyani. India., 29(2A): 881-884, (2011).
- ❖ **Sanjib Ghoshal**, Snehasis Barman and Manjubikash Saha. Biochemical changes of some important organic, mineral and inorganic compounds in the leaves of Mango (*Mangifera indica*) due to the infestation of *Oligonychus mangiferus* (Rahman & Sapra). *IUP journals of life Science*, 2011.
- ❖ Barman, S., **Ghoshal, S.** & Saha, M. Biostatistics regarding the seasonal abundance of some predator mites on medicinal plants and agri-horticultural crops in some areas of 24-Paraganas(S), West Bengal. *J. Mech. Cont & Math. Sci.*, 6(1): 900-912, **2011**.
- ❖ **Ghoshal, S.** & Barman, S. Population dynamics and feeding potentiality of *Tenuipalpus pernicis* (Choudhri, Akbar and Rasool) on guava (*Psidium guajava*), *Int.J. LifeSc. Bt & Pharm, Res.* Vol-1,No-2, April, **2012**.

- ❖ **Ghoshal, S**, Mridha, S. & Ray, R., Effect of intermittent glucose supplementation on endurance performance during prolonged activity of body muscles. *Int.J. LifeSc. Bt & Pharm, Res.* Vol-1,No-2, April, **2012**.
- ❖ Swapan Kumar Mridha, **Sanjib Ghoshal** & Rajat Roy. Effect of intermittent doses of glucose solution on blood lactic acid during endurance performance. *The beats of natural Sciences*, Vol-1:1-7, **2014**.
- ❖ **Ghoshal. S.**, Population dynamics and biochemical fluctuations in relation to the infestation of *Tetranychus neocaledonichus* Andre on the leaves of Tulsi (*ocimum sanctum*). *Int. J. LifeSc. Bt & Pharm. Res.* Vol. 2, No. 3, **2013**.
- ❖ Mitra. A and **Ghoshal. S.**, Comparative physicochemical properties of partially purified hemagglutinins from an anthropophilic dermatophyte (*Trichophyton rubrum*) and a zoophilic dermatophyte (*Trichophyton mentagrophytes*). *Int.J.Curr.Microbiol.App.Sci.* 3(9): 1023-1027, 2014.
- ❖ Mitra. A and **Sanjib Ghoshal.**, Growth and survival of pathogenic *E. coli* during curdling of milk. *Int. J. Life Sc. Bt & Pharm. Res.* Vol. 3, No. 1, **2014**.
- ❖ Mitra A., **Ghoshal S.** Comparative serological properties of partially purified haemagglutinins from an Anthropophilic dermatophyte (*Trichophyton rubrum*) and a Zoophilic dermatophyte (*Trichophyton mentagrophytes*). *Int.J.Curr.Microbiol.App.Sci.* 3(3): 211-215, **2014**.
- ❖ **Ghoshal S** & Mitra A. Management strategies towards the sustainable restoration of tropical Water reservoirs (Lakes and ponds)- A suggestion to the policy makers. *Bangabasi Academic Journal*, Pages 54-58, **2014**.
- ❖ Mridha S., **Ghoshal S.** Effect of intermittent doses of glucose solution on blood lactic acid during endurance performance. *The beats of Natural Sciences*, Article No: 2, Pages 1-6, **2014**.
- ❖ **Sanjib Ghoshal.** Effect of Domestic sewage on growth and fecundity and survivality of *Amblypharyngodon mola* and *Chanda nama*. *Int. J. of Sci.Eng and Applied Science (IJSEAS)*, Vol 2(1):185-188, **2016**.
- ❖ **Sanjib Ghoshal.** Description and Biology of a new species *Hypoaspis xylocarpi* sp.nov. from Sajnekhali, Sundarban Biosphere Reserve. *Int. J. Life Sc. Bt & Pharm. Sci.* Vol 2(1): 1-6, **2016**.
- ❖ **Sanjib Ghoshal.** Phytochemical effect due to feeding of *Oligonychus indicus* with the depletion of some important organic, minerals and inorganic compounds in the leaves of Coconut (*Cocos nusifera*). *Int. J. of Sci.Eng and Applied Science (IJSEAS)*, Vol 3(3):51-55, **2017**.
- ❖ **Sanjib Ghoshal**, Vermicomposting—A beneficial ecofriendly technology for improving soil fertility. *Bangabasi Academic Journal*, Vol-13, Pages 66-69, **2016**.
- ❖ **Sanjib Ghoshal**, Effect of intermittent doses of glucose solution on blood Uric acid during endurance performance. *Int. J. of Sci.Eng and Applied Science (IJSEAS)*, Vol 3(4):93-103, **2017**.
- ❖ **Sanjib Ghoshal**, Biotransformation potentiality of *Eisenia foetida* for beneficial eco friendly technology for improving soil fertility. *Int. J. Exp. Res. Rev.*, Vol.9:1-4, **2017**.

- ❖ **Sanjib Ghoshal**, Chaetotaxy, Biometry and Biology of a Holotype: *Cunexa terminalae* sp.nov. collected from *Terminalia arjuna* in Sundarbans Biosphere Reserve. *Int. J. Adv. Res.* 5(7): 322-326, **2017**.
- ❖ **Sanjib Ghoshal**, Bioassay and impact of house hold sewage on Survivability, Growth and Fecundity of *Esomus danricus*. *Int. J. Adv. Res.* 5(7): 1445-1448, **2017**.
- ❖ **Sanjib Ghoshal**, Depletion of organic compounds in the leaves of bani (*avicennia alba* blume), guava (*psidium guajava* linn.), jute (*corchorus capsularis* linn.) and pumpkin (*benincasacerifera savi*) due to feeding of mite. *J. Environ. & Sociobiol.* : **14**(2) : 155-159, **2017**
- ❖ Sanjib Ghoshal, Studies on life cycle stages of false spider mite *tenuipalpus pernicious* (chaudhri, akbar and rasool) on guava (*psidium guajava*) plant. *J. Environ. & Sociobiol.* : **14**(2) : 187-191, **2017**

## Annexure - II

### ❖ Acted as M.Phil Guide:

Recognized as a potential guide for guiding research scholars in course Zoology leading to the award of Master of Philosophy (M.Phil.) degree. (Ref: VMU / DDE / M.Phil. / Gd / Zoology / MZ00105.), Vinayaka Missions University, Salem-636308).

### Guided the following Research Topics for the partial fulfillment of M.Phil degree:

- ❖ *STUDIES ON BIOCHEMICAL DEPLETION OF SOME OF THE IMPORTANT ORGANIC, MINERALS AND INORGANIC COMPOUNDS DUE TO MITE INFESTATION ON SOME ECONOMICALLY IMPORTANT PLANTS IN DIFFERENT SEASONS OF THE YEAR. Submitted by Snehasis Barman (M.Sc.) [Regn No. 603063070489] in July, 2008.*
- ❖ *BIOLOGY, SEASONAL OCCURRENCE AND FEEDING POTENTIAL OF FALSE SPIDER MITE Tenuipalpus pernicious on Guava (Psidium guajava) plant. Submitted by Ritachit Sengupta (M.Sc.) [Reg. No: C8WB014M1200049] in December, 2008.*
- ❖ *STUDIES ON SEASONAL OCCURRENCE, FEEDING POTENTIAL, BIOLOGY AND CONTROL MEASURES OF RED SPIDER MITE ON PUMPKIN. Submitted by Pritha Banerjee (M.Sc.) [Reg. No: - C8WB016M1200106 ] in December, 2008.*
- ❖ *MITE: THE ARACHNID PEST OF AGRI-HORTICULTURAL PLANTS: PRESENT SCENARIO. Submitted by Smt. Sitara Hossain (M.Sc.) (Reg No:- 603061090106 ) in December, 2009.*
- ❖ *PREDATION POTENTIAL OF GOLD FISH (CARASSIUS AURATUS AURATUS LINN.) IN RELATION TO THE BIOLOGICAL CONTROL OF MOSQUITO. Submitted by Mr. Mohobub Hasan (M.Sc.), (Regn No: 603061080268) in May, 2010.*

## Annexure - III

### ❖ Acted as Ph.D. Guide:

Name of the candidates	Title of the Thesis	Registration No. & Year	University

Mr. Swapan Mridha M.Sc.	Effect of intermittent glucose supplementation of blood glucose, blood lactic acid and blood uric acid during endurance performance	<b>Awarded on 2012</b> Ref No. F-4/A/7/2011	Jadavpur University
Mr. Snehasis Barman (M.Sc., M.Phil.)	Biochemical investigation and effect of chemical compounds on mite infestation in agricultural and medicinal species.	<b>Awarded on 2014</b> Ref No. <b>D-7/Sc/763/09</b> Accepted in Faculty council of Science (Resl. No. 9(Z.41), dt 28/4/09.	Jadavpur University

### **Annexure - IV**

❖ **Project Executed:**

Title of the Project	Sanction No.	Year
Studies on Biochemical impact of mite feeding on some economically important plants in different parts of 24-Praganas (South).	PSW-052/09-10 dt.8 <sup>th</sup> Oct, 2009.	2009

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