

# CURRICULUM VITAE

**Name** : **Dr. Dipak Kumar Som, M.Sc., Ph. D., W.B.E.S**

## **Present affiliation**

### **Associate Professor and Head**

Department of Zoology (UG & PG), Maulana Azad College Kolkata., Govt. of West Bengal

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**Teaching Experience:** **36 years**

## **Teaching Position held:**

- **Junior Research Follow:** Calcutta School of Tropical Medicine, Kolkata, 01.03.1988-20.08.1989
- **Lecturer** in Zoology, Darjeeling Govt. College, Govt. Of W. Bengal, Darjeeling, 23.08.1989-16.05.1996
- **Assistant Professor** of Zoology, Hooghly Mohsin College, Chinsurah, 17.05.1996-11.08.2005
- **Reader** in Zoology, Jhargram Raj College, Jhargram, 12.08.2005- 03.05.2010
- **Associate Professor** of Zoology Maulana Azad College, Govt. of W. Bengal, Kolkata, 04.05.2010 -15.10.2014 and 01.10.2015- till date

**Administrative experience:** **More than 13 years**

## **Administrative positions held:**

- **Head**, P.G. Department of Zoology, Maulana Azad College, Kolkata 2023-till date
- **Co-ordinator**, IQAC, Maulana Azad College, Kolkata, 2022-2023
- **Convenor**, NAAC Steering Committee, Maulana Azad College, 2024-till date
- **Member**, Undergraduate Syllabus Committee of CU 2023-till date
- **Member**, PGBOS, Department of Sericulture, Murshidabad University, 2023-till date
- **Convenor**, PGEC, Department of Zoology, Maulana Azad College, 2016-2019
- **Co-Ordinator**, NAAC Steering Committee, Maulana Azad College, Govt. of West Bengal, Kolkata, 2015-2016 (College earned NAAC accredited Grade 'A')
- **Controller of Examinations**, Burdwan University, Burdwan, 2014-2015
- **Co-ordinator** of NET/SET Coaching under UGC 10<sup>th</sup> Plan, 2011-2012
- **Member**, P.G. Board of Studies, Vidyasagar University, 2008-2010
- **Head**, P.G. Department of Zoology, Jhargram Raj College, Jhargram 2008-2010
- **Assistant Co-ordinator**, NAAC, Jhargram Raj College, 2006-2007
- **Superintendent**, Boy's Hostel, Hooghly Mohsin College, Chinsurah, 1997-2000

## **Awards**

1. 'Professor D.N. Roychowdhury Memorial' Gold Medal, 1986.
2. CSIR-UGC NET Junior Research Fellowship, 1987.

3. Junior Research Fellowship, Calcutta School of Tropical Medicine, Kolkata
4. Teacher Fellowship (FIP- UGC) 1993-1994.
5. National Scholarship, 1981-1983

## Reviewer

**The Journal of Threatened Taxa (JoTT)**

## International Conference Attended

1. International meeting for the 7<sup>th</sup> Symposium on “Biodiversity and Natural Heritage of the Himalaya.” Organised by Natural History Museum Erfurt/Thuringia, **Germany**, 23-25 September, 2022
2. Golden Jubilee International Conference on Trends in Zoology, Department of Zoology, The University of Burdwan, Burdwan, Burdwan 713 104, India. 03-04 January, 2019.
3. **International Conference on Entomology:** Department of Entomology and Environmental Sciences, Punjabi University, Patiala, Punjab, India. 21-23 February, 2014.

## Member of Scientific Organization

1. Southwest Association of Fresh water Invertebrate Taxonomists (**SAFIT**), **USA**.
2. Zoological Society, Kolkata (**ZSK**), **India**
3. Asia Pacific Malaria Elimination Network (**APMEN**), **Singapore**

## Training

Under ICAR Supported Niche Area of Excellence for Capacity Building in **Taxonomy of Insects and Mites**, at Department of Entomology, **University of Agricultural Sciences, Bangalore**, Karnataka, India, **25<sup>th</sup> July, 2012 -14<sup>th</sup> August, 2012.**

## Research Projects executed

1. **Title:** Phenological Diversity, Altitudinal Variation, Quantitative Ethnobotany and Pollinators of the genus *Rhododendron* L. (Ericaceae) in West Bengal  
**Funding Agency:** DST & BT, Govt. of West Bengal (vide No. 325(Sanc)/ST/P/S&T/5G-5/2018 dt. 06.03.2019)  
Dipak Kumar Som as **Co-Principal Investigator** (Subhasis Panda – PI)  
**Amount and duration:** Rs. 11,37,000/- ; Three years (**2019-2023**)- **Completed**
2. **Title:** Studies on the silkworm (*Bombyx mori*) nourishment levels at larval periods and the growth there after with immune power  
**Funding Agency:** DST & BT, Govt. of West Bengal (vide No. 204(sanc.)/ST/P/S&T/1G-45/2017 dt. 21.3.2018)  
**Dipak Kumar Som** as **Principal Investigator** (S. Majumdar and S. Raha of Department of Sericulture, Berhampore K.N. College as **Co-PI**)  
**Amount and duration:** Rs. 7,98,000/-; 2+1 years (**2019-2022**)- **Completed**
3. **Title:** Faunistic diversity and ecology of Chironomid midges along the course of the river Ganges in the district of Hooghly, West Bengal  
**Dipak Kumar Som** as **Principal Investigator**  
**Funding Agency:** UGC(Minor) [ vide No. PSW 031/00-01 dt. 22.09.2002  
**Amount and Duration:** 50,000/- ; Two years 01.11.2002-31.10.2004 **Completed**
4. **Title:** Morphology and Biology of some major Orthoclad (Diptera: Chironomidae) of Himalayas of West Bengal, India  
**Dipak Kumar Som** as Teacher Fellow

**Funding Agency:** UGC-FIP (vide Ref. No. F-23-4/91 (D – II) dt. 01.02.1994)

**Amount and Duration** 17,000/-; One year: 13.04.1994-12.04.1995 **Completed**

5. **Title:** Evaluation of serological methods for diagnosis and sero-epidemiological investigation of Kala-azar and Post kala-azar dermal leishmaniasis.

**Dipak Kumar Som** as Junior Research Fellow

**Funding agency:** W.B.S.T, Govt. of W. Bengal

**Duration:** 01.03.1988- 20.08.1989

### Area of research interest

1. Sero-diagnosis and sero-epidemiology of Kala-azar and PKDL
2. Insect Taxonomy and Bio-Systematics
3. Orthoclads (Chironomidae: Orthoclaadiinae) of Oriental India with special reference to Himalayan Chironomids
4. Nutritional biology and immunology of Silk worm *Bombyx mori* L
5. Biology and ecology of insects and mites having Forensic importance
6. Transmission dynamics and control of Dengue vectors.
7. Insect visitors on *Rhododendron* spp. of Himalayan West Bengal

### Publications

#### Journal Papers

1. **Som, Dipak Kumar (2024)**. A study on the faunal makeup and habitat diversity of Orthoclads (Insecta: Diptera: Chironomidae: Orthoclaadiinae) in the Darjeeling Himalayan region of India, with a note on their biology. *Hartmann, M.; Barclay, MVL & Weipert, J.*: Biodiversität und Naturlausstattung im Himalaya VIII. - Erfurt 2024; 517-528.
2. Panda S., **Som, Dipak Kumar**, Mahanty, D and Roy, Priyankar. (2024). A preliminary study on the vegetative and flowering phenology including diversity of flower visitors in *Rhododendron cinnabarinum* Hook. f. subsp. *cinnabarinum* (Ericaceae Juss.) in and around Singalila National Park of Darjeeling Himalaya (India); *Hartmann, M.; M.V.L. Barclay & J. Weipert*: Biodiversität und Naturlausstattung im Himalaya VIII; 81-105
3. Panda Subbasis, Mostafa Elachouri, **Dipak K Som**, D S Mahanty, & Priyankar Roy. (2024). Notes on some potential new and noteworthy first hand ethnomedicinal herbal drug dosimetry interviewed with the Gorkha Nepalese Community of Darjeeling Hills (India). *Indian Journal of Traditional Knowledge*; Vol 23(3), 279-290; DOI: 10.56042/ijtk.v23i3.741
4. Majumdar, Somdip, Tanvi Rahman, **Dipak Kumar Som**, and Salil Raha. (2024). 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 (01) e-ISSN : 2456-5040; pp 03-06.
5. **Som, Dipak Kumar**, Tuhar Mukherjee, Torpita Das and Rima Chakraborty. (2023). Two new species of *Bryophaenocladus* Thienemann (Diptera: Chironomidae: Orthoclaadiinae) from Darjeeling and Kolkata with a note on biology of montane species. *Rec. zool. Surv. India*: 123(52)/01-15; 656-665; DOI: 10.26515/rzsi/v123/iIS/2023/172458; ISSN (Online): 2581-8686.
6. Mukherjee Tuhar, **Dipak Kumar Som** & Niladri Hazra. (2022). Two new species of *Pseudosmittia* Edwards, 1932 from India with a key to Oriental species adult males (Diptera: Chironomidae: Orthoclaadiinae). *Zootaxa* 5200 (1): 051–062; <https://doi.org/10.11646/zootaxa.5200.1.4>; ISSN 1175-5334 (online edition)
7. **Som, Dipak Kumar**, Somdip Mazumder, 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; ISSN: 0970-2091
8. Panda, Subbasis, Priyankar Roy and **Dipak Kumar Som**. (2022). A study on the vegetative and flowering phenology including insect visitors of *Rhododendron arboreum* Sm. (Ericaceae Juss.) in Darjeeling Himalaya (India)-Phase-I. *Indian J. Applied & Pure Bio.* Vol. 37(1), 135-149; ISSN: 0970-2091

9. **Som, Dipak Kumar**, Pallabi Laha and Supriya Mondal. (2021). Larvicidal effect of *Coffea arabica* L., *Camellia sinensis* (L.) Kuntz, and *Punica granatum* L. on *Aedes albopictus* (Skuse), the vector of dengue and chikungunya. *UPJOZ*, 42(10): 10-18; ISSN: 0256-971X (P)
10. **Som, Dipak K** and Dibyendu Metay. (2016) A preliminary study on the biology and systematics of *Hemipyrellia ligurriens* (Wiedemann) (Diptera, Calliphoridae, Luciliinae), a forensically important green bottle fly reared on rat carcass from Hooghly, West Bengal, India. *Mac J. Basic and Applied Sciences*. 3(1): 159-167. (2016).
11. S. Sarkar, **Dipak K Som** and S.K. Gupta. (2014) A report on mites (Acari) as Parasites of domesticated birds in South Bengal, India with their importance. *Proc. Nat. Conf. on Biodiversity*. ISBN 978-93-92258-17-9.
12. **Dipak. K. Som**, N. Das and N. Hazra. (2013). Systematics and biology of *Metriocnemus clarivirgulus* sp. n. (Diptera: Chironomidae) from Darjeeling, India with revised keys to male and female adults of *Metriocnemus* van der Wulp. *Deutsch Entomologische Zeitschrift* 60 (1):111-121. [ISSN 1435-1951; Online ISSN:1860-1324]
13. Chaudhuri P.K. and **Dipak K. Som**. (1998) *Paracricotopus missilus* sp. n., a new orthoclad species from Darjeeling Himalayas of India (Diptera: Chironomidae). *Russian Entomol. J.* 7 (1-2): 51-56. (1998). [ISSN 0132-8069]
14. Hazra, N., **Dipak Kumar Som** and P. K. Chaudhuri. (1998) Immature of *Rheocricotopus (Psilocricotopus) valgus* Chaudhuri and Sinharay of Darjeeling Himalaya with notes on ecology (Diptera: Chironomidae). *Annals Limnol.* 34(1): 75-82. (1998). [ISSN 0003-4088; eISSN 2100-000X]
15. Hazra, N., **Dipak K. Som** and P.K. Chaudhuri. (1998). *Limnophyes* Eaton: new record and immature of Indian species from Darjeeling Himalayas (Diptera: Chironomidae).. *Studia dipterologica* 5 Heft 1: 33-46. (1998). [ISSN 0945-3954]
16. **Som, Dipak K.**, S.K. Pradhan and P.K. Chaudhuri. (1998). Immature stages of two Orthoclads (Diptera: Chironomidae) of Darjeeling Himalayas. *Entomon* 23(4): 279-289). (1998). [ISSN 0377-9335; NAAS Rating 4.12]
17. **Som, D.K.** and P.K. Chaudhuri. (1996). Diversity of Orthoclad fauna (Diptera: Chironomidae) of Darjeeling Himalayan region of West Bengal, India. *J Indian Geog Foundation* 2-3: 80-86. [ISSN 0975-3850]
18. Addy, M., **D. K. Som**, R.C. Das, A. Bhattacharyya, S. Bhowmik, T. Rakshit, P. Patra, A. Nandy and A.B. Chaudhuri. (1989). Evaluation of Direct Agglutination Test (DAT) in the Diagnosis and Screening of Kala-azar. *Ind. Med. Gazette*. 123(6): 184-187. (1989). [pISSN 0019- 5863]
19. **Dipak K. Som** and P.K. Chaudhuri. (2005). A study on the Biology of *Metriocnemus albopictus* (Meigen) from Darjeeling Himalayan Region of India (Diptera, Chironomidae). *Journal of Science*. 1: 98-105.

#### Conference Paper

20. Das, T., R. Chakraborty, and **Dipak Kumar Som**. (2023). An empirical study on insect-plant association of *Ocimum tenuiflorum* L and *Ocimum gratissimum* L with flower visitors and pollinators and an estimation of the pollination mechanism rendered by *Apis florea* and *Apis mellifera* (Insecta: Hymenoptera: Apidae) in a garden habitat of Kolkata, West Bengal. 5<sup>th</sup> Regional Science & Technology Congress, 4-5 January, 2023. **Conference paper**.
21. **Som, Dipak Kumar**, Jesmine Murshed, Supradipta Dutta, S. Majumdar and Salil Raha. (2023). 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. West Bengal. 5<sup>th</sup> Regional Science & Technology Congress, 4-5 January, 2023. **Conference paper**.
22. Mahato, Achintya., Supradipta Dutta and **Dipak Kumar Som**. (2020). A taxonomic note on some variation in *Phlebotomus argentipes* *Species complex* (Diptera: Psychodidae) of Sandeshkhali region of North 24 Parganas of West Bengal, India. International Seminar on Sundarbans: Science to Society. Sundarban Hazi Desarat College, West Bengal; January 26, 2020. **Conference paper**
23. Somdip Majumdar, Salil Raha and **Dipak Kumar Som** Artificial late brushing of Mulberry Silkworm (*Bombyx mori* L.) eggs proved adequate adaptability for larval development and cocoon yield. Golden Jubilee International Conference on “Trends in Zoology”. Burdwan University. 03-04 January, 2019. **Conference paper**

24. Ghosh, P., A. Banerjee, D. Metay, A. Mazumdar, A. Roy and **Dipak K. Som. (2014)**. A preliminary study on the Necrophagous Dipteran insect fauna (Insecta: Diptera) on rat carrion at Chandernagore, Hooghly- first study on Forensic entomology in West Bengal, India. International Conference on Entomology, Patiala University, Punjab. 21-23 February, 2014. **Conference paper**
25. N. C. Saha, D. Mukherjee and **Dipak K. Som. (2011)**. Acute toxicity of 2,4,6-trichlorophenol to the benthic oligochaete worm *Brachiura sowerbyi* Beddard, 1882. UGC Sponsored State Level Seminar on 'Society Biodiversity interactions: Exploitation and Ethics. Sripat Singh College, Jiaganje, West Bengal. 01-02 August, 2011. **Conference paper**
26. **Dipak K. Som. (2010)**. Chironomids (Diptera: Chironomidae) of Sikkim- Darjeeling region: A brief Review. National Symposium on 'Emerging Perspectives – Zoological Research'. Department of Zoology, Vidyasagar University, Midnapore, West Bengal. 16-17 February, 2010. **Conference paper**
27. **Dipak K Som, U. Mondal and P.K. Chaudhuri. (2004)** A study on the Orthoclad Biodiversity of Sikkim-Darjeeling Himalayas in the perspective of Biodiversity Hotspots. UGC sponsored National level Seminar on Disaster and its Management. Krishnagar Govt. College, Krishnagar, West Bengal. 16-17 April, 2004. **Conference paper**
28. **Dipak K Som, U. Mondal and Debika Som Mukhopadhyay. (2002)** Education, health and Society of Oraon Tribe: A sample Survey. Second West Bengal Social Science Congress, Hooghly Mohsin College, Chinsurah, West Bengal. 15-17 November, 2002. **Conference paper**
29. **Dipak K. Som, A. Mazumdar and P.K. Chaudhuri. (1996)**. Nuptial flight of Chironomid midges (Diptera: Chironomidae)- A case Study. Third West Bengal State Science Congress. University of Burdwan, Burdwan, West Bengal. **Conference paper**
30. **Dipak Kumar Som (1996)**. Faunal make up and habitat diversity of Orthoclad midges (Diptera: Chironomidae) of Darjeeling Himalayan Region of West Bengal. UGC Sponsored National Level Symposium on 'Perspective in Biodiversity'. University of Calcutta. 1995. **Conference paper**
31. Nandy, A. and **D. K. Som. and M. Auddy (1988)** Immunological Spectrum in Post Kala Azar Dermal Leishmaniasis (PKDL)., XXXVII th Annual Conference of Indian Association of Pathologists and Microbiologists. **Conference paper**

#### **Books/Book Chapters (Authored /Edited)**

32. **Som, Dipak Kumar, Bhowal, S.K., Ghosh, N. and Mukherjee, A. (2024)**. A concise Text Book on Practical Zoology for UGC-NEP and CBCS Undergraduate Students. Rainbow Publishers, Kolkata 700014. ISBN 978-81-95775-80-4. 732pp.
33. **Som, Dipak Kumar and Mukhopadhyay, D. (2005)**. A **Text Book** of Class IX-X of West Bengal Board of Secondary Education: "Madhyamik Jiban Bignan Parichaya" on Life Science (No. Syll/TB/LSO/ B / IX-X /2004/05)/R00067T). Subham Publication, Kolkata 700009. 291pp.
34. **Som, Dipak Kumar and Mukhopadhyay, D. (2004)**. A **Text Book** of Class VI of West Bengal Board of Secondary Education: An Introductory Approach to General Science ( No. Syll/TB/G.Sc/VI/Eng/2004/01). Pratyaya Prokashani, Kolkata 700009. 112 pp
35. **Chapter:** Structure of Chromosome. Netaji Subhas Open University, U.G. Theory Honours Course, Paper EZO- 02. (2000) (Writer)
36. **Chapter:** Inheritance of autosomal and Sex-linked genes in human). Netaji Subhas Open University, U.G. Theory Honours Course, Paper EZO -02, (2000), (Editor)
37. **Chapter:** Linkage and Crossing over. Netaji Subhas Open University, U.G. Theory Honours Course, Paper EZO -02, (2000) (Editor)
38. **Chapter:** Sex determination in *Drosophila*. Netaji Subhas Open University, U.G. Theory Honours Course, Paper EZO-02, (2000) (Editor)

- 39. Chapter:** Measures of Central Tendency. Netaji Subhas Open University, U.G. Theory Honours Course, Paper EZO- 09, (2001) (Writer)
- 40. Chapter:** Dispersion and Standard Error, Netaji Subhas Open University, U.G. Theory Honours Course, Paper EZO- 09,. (2001) (Writer)
- 41. Chapter:** Probability, Netaji Subhas Open University, U.G. Theory Honours Course, Paper EZO- 09, (2001) (Writer)
- 42. Chapter:** Skeletal System, Netaji Subhas Open University, U.G. Theory Honours Course, Paper EZO- 05, (2006) (Writer)
- 43. Chapter:** Protein metabolism and Urea Cycle, Netaji Subhas Open University, U.G. Theory Honours Course, Paper EZO- 13, (2006) (Writer)