



**Name:** DR. SANJOY PODDER

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**Designation:** ASSISTANT PROFESSOR

**Department:** POST GRADUATE DEPARTMENT OF ZOOLOGY

**Educational Qualification:** (Institutional Details)

**M.Sc. :** Department of Zoology, Calcutta University, 2002

**Ph.D:** Department of Zoology, Calcutta University, 2008

**Teaching Experience:** Post Graduate Department of Zoology, Darjeeling Government College & Post Graduate Department of Zoology , Barasat Govt. College from 28/11/2006 to till date. **Almost 11 Years both Under-graduate and Post-Graduate Courses**

**Specialization:** Ecology & Environment Biology

**Research Experience:** Almost 15 years

**Awards & Achievements/Fellowships:**

1. Qualified SLET, 2002
2. UGC JUNIOR RESEARCH FELLOWSHIP from 2003 to 2006.

**Ph. D. Supervisor:**

1. Act as registered Guide under Calcutta University and West Bengal State University.

**Students already awarded Ph.D under my supervision:**

1. **Mrs. SHAMPA DUTTA** (JRF, WBDST project), awarded Ph.D Degree in the Month of October, 2016 under my guidance from Department of Zoology, Calcutta University

**Students pursuing Ph. D under my guidance at Barasat Government College:**

- a. **MS. PIU BANERJEE**, JRF, DST, GOVT. OF WEST BENGAL
- b. **MR. ARGHYA LAHA**, CSIR FELLOW
- c. **MS. PRITI MONDAL**, JRF, DBT, GOVT. OF WEST BENGAL
- d. **MRS. ROMITA BASU**, RESEARCH FELLOW

**Project Completed :**

Project Title	Sponsoring organization	Status
Diversity of phytophagous and predatory mites infesting Tea in Darjeeling Hills and Terai Region assessing the effect of mite feeding on biochemical components of Tea leaves along with effect of plant extracts for mite pest management	University Grants Commission	Act as Principal Investigator
Studies on the aeroallergens of Kolkata and adjoining areas in relation to nasobronchial allergic disorders.	Department of Science & Technology, Govt. of West Bengal	Act as Principal Investigator

**Projects Ongoing:**

Project Title	Funding agency	Remarks
Identification of house dust mites in relation to characterization of molecular pathway associated with asthma among West Bengal population, India.	Department of Biotechnology, Govt. of West Bengal	Act as Principal Investigator
Studies on the diversity of mites infesting Tea in North Bengal, their management with bio-pesticides and assessing the resistant/ susceptible varieties by biochemical methods.	Department of Science & Technology, Govt. of West Bengal	Act as Principal Investigator
Identification and molecular characterization of offending food allergens towards different allergic manifestations among Kolkata population.	Department of Biotechnology, Govt. of India	<b>Under Review</b>

**Publications:**

1. **Sanjoy Podder**, Salil Kumar Gupta and Goutam Kumar Saha (2005). Some new species and new records of dust mites from Kolkata, India. *Rec. zool. Surv. India*. 104 ( 3 & 4 ) : 1-6.
2. Sudipta Chowdhury, Indranil Roy, **Sanjoy Podder**, Salil Kumar Gupta and Goutam Kumar Saha (2005). Diversity of synanthropic mites of Kolkata metropolis, India. *Rec.zool.Surv.India*. 104 (3 & 4) : 151-159.
3. Samheeta Lahiri, Indranil Roy, **Sanjoy Podder**, Salil Kumar Gupta and Goutam Kumar Saha (2005). Notes on phytophagous and predatory mites of medicinal plants of Kolkata. *ZOOS' PRINT JOURNAL*. 20(7): 1931-1932.
4. Samheeta Lahiri, **Sanjoy Podder**, Salil Kumar Gupta and Goutam Kumar Saha (2004). Diversity of phytophagous and predatory mites occurring on medicinal plants in Kolkata metropolis. *Proc. Zool.Soc., Calcutta*. 57(1) : 47-52.

5. **Sanjoy Podder**, Salil Kumar Gupta and Goutam Kumar Saha (2006). Description of a new species of Grallacheles De Leon (Acari: Cheyletidae) from floor dust in India. *ENTOMON* 31(4): 333-338.
6. **Sanjoy Podder**, Indrani Chowdhury, Arijit Das, Salil Kumar Gupta and Goutam Kumar Saha (2006). Immediate hypersensitivity to common inhalants- An investigation of nasobronchial allergy patients in Kolkata, India. *Allergy & Clinical Immunology International-J World Allergy Organization*, 18: 114-119. (IF: 0.64)
7. **Sanjoy Podder**, Salil Kumar Gupta and Goutam Kumar Saha (2009). Seasonal prevalence of allergenic house dust mite in Kolkata metropolis, India. *Aerobiologia, Springer* 25(1): 39-47. (IF: 1.38)
8. **Sanjoy Podder**, Salil Kumar Gupta and Goutam Kumar Saha (2009). Description of two new species of dust mites from Kolkata, India. *Proc. zool. Soc.* (Springer), 62 (1): 45-49.
9. **Sanjoy Podder**, Himani Biswas, Salil Kumar Gupta and Goutam Kumar Saha (2009). Life cycle of house dust mite *Dermatophagoides pteronyssinus* (Acari: Pyroglyphidae) under laboratory conditions in Kolkata metropolis. *Acarina (Russia)*, 7(2): 239-242. (IF: 0.93)
10. **Sanjoy Podder**, Salil Kumar Gupta and Goutam Kumar Saha (2010). Incrimination of *Blomia tropicalis* as a potent allergen in house dust and its role in allergic asthma in Kolkata Metropolis, India. *Journal of World Allergy Organisation (Volteris Kluwer Publication)* May: 182-187.
11. **Sanjoy Podder**, Salil Kumar Gupta and Goutam Kumar Saha (2010). House dust mites in relation to different habitat conditions in Kolkata Metropolis, India. *Acarina (Russia)*, 18(1): 91-95. (IF: 0.93)
12. **Sanjoy Podder**, Shampa Dutta, Amlan Ghosh and Goutam Kumar Saha (2014). Fruits and vegetables sensitivity among Kolkata population, India. *Aureole*, 5(1): 97-102.
13. **Sanjoy Podder, Himani Biswas, Goutam Kumar Saha and Salil Kumar Gupta (2014)**. Life cycle of *Oligonychus coffeae* (Acari: Tetranychidae) on tea leaves in Darjeeling, West Bengal, India. *Animal Biology* 64: 395-400. (IF: 0.78)
14. **Shampa Dutta, Sanjoy Podder and Goutam Kumar Saha (2016)**. The Analysis of Skin Prick Test results to mold allergens in some patients suffering from nasobronchial allergy in Kolkata Metropolitan. *International Journal of Scientific Research*, 5(1): 274-275. (SJIF: 3.508)
15. **Sanjoy Podder (2016)**. Life cycle of *Eutetranychus orientalis* (Acari) on leaves of *Tabernaemontana coronaria* (Klein) in West Bengal, India. *International Journal of Scientific Research*, 5(4): 33-34. (SJIF: 3.508)

#### **Papers Communicated:**

1. Role of House dust mites and associated genetic pathway in asthma among Kolkata population of West Bengal, India.
2. House dust mite fauna in West Bengal, India.

3. Biology and life table parameters of *Eotetranychus sexmaculatus* Riley (Acari: Tetranychidae) and *Agistemus simplex* Gonzalez-Rodriguez (Acari: Stigmaeidae) on *Nyctanthes arbor-tristis* L. under laboratory conditions.
4. Life cycle of Red Palm Mite, *Raoiella indica* Hirst (Acari: Tenuipalpidae) on coconut leaves, West Bengal, India.
5. Offending outdoor aeroallergens and role of CD14 polymorphism with relevance to asthma in Kolkata population

#### **Chapter Published in Books:**

1. **Sanjoy Podder (2015)** “ Protocols for Skin Prick Test for assessment of Immediate Hypersensitivity” in Contemporary Laboratory and Field Experiments in Zoology, Published by Pages Chapters, Kolkata, India (ISBN No. 978-81-8211-128-8); pp. 126-132.

#### **International Conference Participated and Presented Papers:**

1. Incrimination of *Blomia tropicalis* as a potent allergen in Indian house dust. **World Allergy Congress, Bangkok, 2-6 December, 2007**
2. Diversity of house dust mites in relation to nasobronchial allergic disorders among Kolkata population, India. **International Conference on Environment and Ecology, Kolkata, 2-4<sup>th</sup> March, 2015.**
3. Studies on the role of CD14 polymorphism among pollen and mold induced asthmatics of Kolkata” was presented at **World Allergy Congress, Seoul, Korea, 14<sup>th</sup> to 17<sup>th</sup> October, 2015**

#### **List of Papers presented in National Conference / Seminar etc.**

1. House dust mite sensitivity among asthmatic patients of Kolkata. Department of Zoology, University of Calcutta **(2004).**
2. Incidence of Dust mite allergy among Kolkata population, Bangabasi College **(2005).**
3. Hypersensitivity to pollen and molds among kolkata population. 13<sup>th</sup> West Bengal science Congress at University of Calcutta **(2006).**
4. Incidence of hypersensitivity reaction against fruits and vegetables among Kolkata population, India. Darjeeling Govt. College. **(2008).**
5. Immediate hypersensitivity to house dust and house dust mites among kolkata population, India. Barasat Govt. College **(2011)**
6. Studies on the house dust mites of Kolkata and adjoining areas in relation to nasobronchial allergic disorders. West Bengal Biodiversity Board. **(2014).**
7. Role of CD-14 polymorphism among dust mites induced asthmatic patients of Kolkata. (2016).
8. Diversity and Seasonal fluctuation of allergenic mites in West Bengal, India. **(2016).**

9. A preliminary report on diversity of mites (Acari) in different plants from campus of Barasat Government College ,West Bengal.(2016).
10. Molecular Aspects of Dust Mite Allergy. (2016). (Invited Speaker at ALLERCON)