

## **CURRICULUM VITAE**



- 1. NAME** : DR. BARNALI BERA
- 2. HUSBAND'S NAME** : SHUVENDU KONER
- 3. ADDRESS** : AKRA KRISHNANAGAR (BATIPOST),  
BATANAGAR, KOLKATA-700140
- 4. MAILING ADDRESS** : \_DO\_
- 5. DATE OF BIRTH** : 18<sup>th</sup> FEBRUARY, 1987
- 6. MARITAL STATUS** : MARRIED
- 7. PHONE NO. AND E MAIL** - 9836516177/ 7980155177  
manti.bera@gmail.com

### **EDUCATIONAL QUALIFICATIONS**

Examinations Passed	Year of Passing	Board/University	Percentage/ Grade point
Madhyamik	2003	W. B. Board of Secondary Education	82.62%
Higher Secondary	2005	W. B. Council of Higher Secondary Education	65%
B.Sc. (Zoology Honours)	2008	University of Calcutta	69.38%
M.Sc. (Zoology) Specialization in Endocrinology	2010	University of Calcutta	80.7%
GATE	2013	Kharagpur IIT	36.00 (percentile)
PhD.	2021	Vidyasagar University	

## Research Experience

- Worked as a Project Fellow since 15.7.2013 under the UGC- Major Research Project [Ref. No. F. No. 42-559/2013 (SR), dt. 22.03. 13] entitled “Epitope mapping of the allergenic proteins of the pollen of a few allergenic plants growing in Kolkata: implications for immunotherapy and studies on the air pollution impact on their etiology” under the guidance of Dr. Sanjukta Mondal (Parui) [Principal Investigator], Associate Professor & Head of the Department, Department of Zoology, Lady Brabourne College, Kolkata.
- Registered PhD student of Vidyasagar University Under the guidance of Professor Dr. Jayanta Kumar Kundu, Department of Zoology, Vidyasagar University, Midnapore, West Bengal and Associate Professor Dr. Sanjukta Mondal (Parui), Head of the Department, Department of Zoology (UG and PG), Lady Brabourne College, Kolkata, West Bengal. The PhD. Title is “Epitope mapping of the allergenic proteins of the pollen of *Datura* sp. and its implications for immunotherapy” and already have delivered pre submission seminar in 2017.
- Have experience on techniques in Biochemistry and Biotechnology like Colorimetry, Gel Electrophoresis, Immunodiffusion, Electroelution, Chromatography, ELISA, Immunodiffusion, Agarose Gel Electrophoresis, SEM, TEM etc.
- Served as a skilled hand for a DBT sponsored workshop organized by Department of Zoology, Lady Brabourne College from 11-13 November, 2013 on “Extraction of proteins and Study of protein profile by Gel Electrophoresis (SDS-PAGE)”.

### **Seminars attended**

- Attended the seminar on “Loss of biodiversity and Its Ethical Implications from 2<sup>nd</sup>-3<sup>rd</sup> September, 2011 at Vidyanagar College, South 24 pgs, West Bengal.
- Attended and presented posters at the National Conference on Environmental Issues and Food Security in India (Let's voice together towards a sustainable future) organized by Foundation for Science & Environmental Research Institute Kolkata on 10<sup>th</sup> August, 2014.
- Attended and presented posters at the National Conference on Nanoscience and Nanotechnology (NS&NT – 2014) organized by University of Calcutta, Centre for Research in Nanoscience and Nanotechnology from 18-19 September, 2014.
- Attended and presented oral presentation in the 22<sup>nd</sup> West Bengal State Science & Technology Congress-2015 held from 28<sup>th</sup> February-1<sup>st</sup> March at North Bengal University, West Bengal.
- Attended the seminar on “World Environment Day 2015” held on 5<sup>th</sup> June 2015 at Kolkata.
- Attended and presented paper in the International Conference on “Environment and Ecology” held on 2<sup>nd</sup> to 4<sup>th</sup> March 2015 at Kolkata.
- Attended and presented paper at International Conference on Aquatic Resources & Sustainable management, from 17<sup>th</sup>-19<sup>th</sup> February, 2016 at Science City, Kolkata.
- Attended and presented posters at 19<sup>th</sup> National Conference of Indian aerobiological Society at Bose Institute, Kolkata from 9<sup>th</sup>-11<sup>th</sup> December, 2016.

- Attended and presented oral presentation at 2<sup>nd</sup> Regional Science and technology Congress (Southern region), 2017 from 14<sup>th</sup>-15<sup>th</sup> December at Kalyani, West Bengal.
- Attended and presented oral presentation at 8<sup>th</sup> International Conference on Allergy, Asthma & Immunology ALLERCON-2019 from 2-3<sup>rd</sup> March, 2019.
- Attended 27<sup>th</sup> Annual Science Exhibition, Sit & Draw, Seminars, Quiz Competition and other scientific and environmental awareness programme as Judge held from 30<sup>th</sup> April to 1<sup>st</sup> May 2022 at Budge Budge P.K High School organized by Budge Budge Maheshtala Nature Study Centre ( Pschim Banga Bigyan Mancha- Budge budge Zone).
- Attended Zoo Fest 2022 organized by Alipore Zoological Garden, Kolkata, West Bengal from 14<sup>th</sup> of November to 18<sup>th</sup> of November,2022.

## **Publications:**

### **Published Papers**

1. Bera, B., Mondal (Parui), S. and Mondal, A.K. (2015). Variation in The Protein Profile of the Allergenic Pollen of the *Datura metel* with Different Stages of Maturity. International Journal of Current Research, 7(6): 17174-17180.
2. Bera, B., Mondal (Parui), S. and Mondal, A.K. (2016). The developmental variation of the protein profile of the pollen of *Datura innoxia* : A comparative study. International journal of Bioassays, 5.6: 4625-4629.
3. Bera, B., Mondal (Parui), S. and Kundu, J.K., Mondal, A.K. (2017). *Datura stramonium* pollen and its possible role in allergenic etiology- Recommendations for standardizations of pollen extracts for ASIT, 12(3): 62-69.

4. Bera, B., Kundu, JK., Mondal (Parui), S. and Mondal, A.K. (2018). Allergenic Protein Profile Of The Pollen Of *Datura sp.*- A Comparative Study. IJCRT, 6:689-694.
5. Bera, B., Mondal (Parui), S., Mondal, A.K. (2018). A COMPARATIVE STUDY OF THE SOLUBLE MUSCLE PROTEIN CONCENTRATION AND SDS-PAGE PROTEIN PROFILE OF FIVE SMALL INDIGENOUS FRESH WATER FISHES OF WEST BENGAL. J. Adv. Zool.,39(2):51-57

#### **Abstracts published in proceedings of Seminars/Conferences attended**

- 1 Bera, B., Mondal (Parui), S. and Mondal, A.K. (2014). Variation in The Protein Profile of The Allergenic Pollen of *Datura metel* with Different Stages of Maturity. In: the proceedings of the National Conference on Environmental Issues and Food Security in India: Let's voice together towards a sustainable future organized by Foundation for Science and Environmental Research Institute, Kolkata in Association with Scientific & Environmental Research Institute, Kolkata on 10<sup>th</sup> August, 2014. Abst. No. P-20, p.144.
- 2 Bera, B., Mondal (Parui), S. and Mondal, A.K. (2014). A Comparative Study of the Developmental and Seasonal Variation of the Protein Profile of the Pollen of *Datura inoxia* and *Datura metel*. In: the proceedings of the National Conference on Nanoscience and Nanotechnology (NS & NT-2014) organized by Centre for Research in Nanoscience and Nanotechnology (CRNN) University of Calcutta, Kolkata on September 18 & 19, 2014. Abst. No. 36, p.52.
- 3 Bera, B., Mondal (Parui), S. and Mondal, A.K. (2015). A comparative study of the developmental and seasonal variation of the protein profile of the pollen of *Datura stramonium* and *Datura metel*. In: the proceedings of the West Bengal State Science & Technology Congress 2015 from 28 February -1 March, 2015.
- 4 Bera, B., Mondal (Parui), S. and Kundu, J. K. (2016). Study of Protein Profile By SDS-PAGE and Identification of The Pollen of *Datura metel*. In: the proceedings of 19<sup>th</sup> National Conference of Indian Aerobiological Society, Bose Institute, Kolkata from 9-11<sup>th</sup> December, 2016, Abst. No. 2, p. 63. For this paper B. Bera was awarded the first Prize for best poster presentation.

#### **Prizes/Medals won:**

- Awarded **The First Best Poster Presentation** Prize in My Research Paper entitled "Study of Protein Profile by SDS-PAGE and Identification of Allergenic Proteins of The Pollen of *Datura metel* in The **19<sup>th</sup> National Conference of Indian Aerobiological Society** held at Bose Institute from 9-11<sup>th</sup> December, 2016.

- Awarded the **2<sup>nd</sup> position in oral presentation** in My Research Paper in the **ALLERCON-2019** at Rash Mancha, Swabhumi, Kolkata

### Teaching Experience

- Served as a Guest Lecturer at the Department of Zoology, Vidyanagar College, Kolkata from September, 2010 to July, 2013 teaching both Honours and General at the Undergraduate Level till march 2013.
- Served as Guest Lecturer in UG/PG level from July, 2013 till 2019 in Department of Zoology, Lady Brabourne College, Kolkata.
- Serving as **State Aided College Teacher (SACT Category II)** since 2nd of July, 2019 as a Guest lecturer and re-designated as State Aided College Teacher w.e.f. 01 January, 2020 vide GoWB Higher Education Department Memorandum no 2081-Edn (CS)/10m-83/20119 dated 23.12.2019 and continuing as **SACT Category I** w.e.f 15.02.2021 till date.

### Other qualifications

Basic knowledge on Computers including Microsoft office, Powerpoint, Excel, Access, Photoshop.

Date : 11.07.2023

Signature: *Barnali Bera*