

Resume

Dr. Partha Karak, M.Sc., Ph.D.



❖ Personal Details

Sex- Male
Year of Birth: 1988
Nationality: Indian
Status: Married

Address:
Department of Botany, City College, 102/1
Raja Rammohan Sarani, Kolkata-700009

Contact Details:

Mob No: **+91 9874829960(whatsapp)**,
Email ID: **parthakarak@citycollegekolkata.org**

❖ Current Position: Assistant Professor, Department of Botany, City College, 102/1 Raja Rammohan Sarani, Kolkata-700009. (Under Calcutta University).

❖ Previous working experiences:

Sl. No.	Position	College and organisation	Department
1	Assistant Professor	Midnapore City College (Under Vidyasagar University, West Bengal)	Biological Science (Botany)
2	Technical Officer	Govt. of India, Ministry of Agriculture, Directorate of Plant Protection, Quarantine & Storage.	Regional Plant Quarantine Station, Kolkata

❖ Membership details:

Junior Member:

European Academy of Allergy and Clinical Immunology
American Academy of Allergy Asthma and Immunology
European Respiratory Society
World Allergy Organisation

Life Member:

The Indian Science Congress Association
Indian Aerobiological Society

❖ Educational qualifications:

Course	University
B.Sc. (Botany, Hons.), 2010	Calcutta University (Bidhannagar Govt. College)
M.Sc. Botany, 2012	Special Paper: Environmental Sc. & Ecology, Visva-Bharati, Santiniketan.
Ph.D., 2018	Dept. Of Botany, Environment biology Lab. Visva- Bharati, Santiniketan.

❖ **Technical, workshop & Academic Training :**

1. DITA (Diploma in Information Technology Application), 2009, West Bengal Youth Computer Training Centre, Saltlake.
2. Two weeks Faculty Development programme on “Quantitative methods for data analysis, organised by University of Delhi and MHRD Govt. of India on 12 Aug-25 Aug, 2020.
3. Two weeks Faculty Development programme on “Advanced concepts for developing MOOCS” organised by University of Delhi and MHRD Govt. of India on 20 July - 17 July, 2020.
4. 30th Orientation Course, organised by Mizoram University and UGC on 28 July-17 Aug, 2020.
5. Workshop on BSc. Practical Syllabus (Plant Geography, Ecology and Evolution, Economic Botany, Genetics at Botany Dept., University of Calcutta organized by Probir Chatterjee Research Foundation on 4 - 6 March, 2020.
6. Workshop on Flowering & Non- flowering plant Identification and Herbarium Methodology at Gurudas College organised by ENVIS, Botanical Survey of India on 26 – 27 Feb, 2020.
7. Refresher courses (14 Days) On "New Frontiers of Advancement in Natural and Biological Sciences" from 10.09.2021 to 23.09.2021 jointly conducted by the UGC-Human Resource Development Centre and The University of North Bengal.

❖ **Completed research project:**

Employer	Period of Experience	Name of the Post	Brief job description
Visva-Bharati,	24/05/2013 to 23/05/2016 [3 Yrs.]	Project fellow	UGC sponsored major clinical and immunological research project entitled: “Identification and immunochemical characterization of fungal spore allergens of West Bengal” [Ref. No.42-947/2013(SR)],
Visva-Bharati	2011-2012 [1 Yr.]	M.Sc. Project work	“Melissopalynological studies of honey samples collected from different parts of West Bengal and the Sundarban”

❖ **Area of expertise:**

Clinical Research, Immunobiochemical techniques [Ex. 1D GEL Electrophoresis, 2D GEL Electrophoresis, ELISA (Enzyme Linked Immuno Sorbent Assay), Dot Blotting, 1D Western Blot, 2D Western Blot], MALDI TOF analysis, Statistical tool (Ex. SPSS, Odd Ratio analysis etc.), Large scale population health survey and data analysis.

❖ **Publication:**

1. P Karak & K Bhattacharya. Airborne fungal spore load in Santiniketan, West Bengal with reference to respiratory allergy. Indian J. Aerobiol., 2014; Vol 27,no.1&2, 20-25.
2. P Karak, RK Sarkar & K Bhattacharya. Indoor Aeromycoflora of the Central Library of Visva-Bharati, Santiniketan With Reference To Book Deterioration. Indo Am. J. P. Sci, 2017; Vol 4(12) 4473-4481.
3. P. Chakraborty, K Ghosal, K Sengupta, P Karak & E Sarkar. Airborne fungal spores in a suburban area of Eastern India with reference to their allergenic potential and effect on asthma related hospitalization. Journal of Palynology, 2018; Vol 54, 57-76.
4. R.K Sarkar, P Karak, S Adak & K Bhattacharya. Airborne fungal spore load in two different habitats of Santiniketan, West Bengal with reference to human health. Journal of Palynology, 2018; Vol 54, 45-55.

5. P Karak & K Bhattacharya. Incidence of allergic symptoms among populations of different socioeconomic status in West Bengal, India, Indian J. Aerobiol., 2022; Vol. 35, No. 1, 29-33.
6. P Karak. Prevalence of allergic diseases among the population of a polluted and a less polluted areas of West Bengal. Ind. J. Aerobiol., 2023; Vol. 35, No. 2, 53–57

❖ **Awards: (Five awards)**

1. International Award: EAACI Congress 2018 Scholarship (Unable to attain)

Congress: European Academy of Allergy and Clinical Immunology (EAACI) Congress 2018 to be held at Munich, Germany from 26 - 30 May 2018.

Organiser: European Academy of Allergy and Clinical Immunology (EAACI)

Title of paper: "Identification and immunochemical characterization of aeroallergens from *Penicillium oxalicum*".

2. International Award: CSIR full air fare travel grant

Conference: 5th Paediatric Allergy and Asthma Meeting (PAAM) 2017 on 26-28 October, 2017 at Hilton London Metropole, London, UK

Organiser: The European Academy of Allergy and Clinical Immunology, EAACI

Title of paper: "Airborne spore allergens, air pollutants and socioeconomic status as risk factors for childhood allergic diseases in West Bengal, India".

3. Award: ISCA, Best Poster Award

Congress: 104th Indian Science Congress in the Section of Environmental Sciences on 3-7 January, 2017 at Tirupati.

Organiser: Indian Science Congress Association

Title of paper: "Fungal aerosols, pollutants and meteorological factors leading to increasing allergic diseases in Durgapur- an industrial township of West Bengal, India".

4. Award: P. H. Gregory Award (Gold Medal)

Conference: The 19th National Conference of Aerobiology, 9-11, December 2016 at Bose Institute, Kolkata.

Organiser: Indian Aerobiological Society

Title of paper: "Prevalence of allergic symptoms among the population of polluted and less polluted areas of West Bengal, India: A hospital-based clinical study".

5. Award: Best Poster Award

Conference: 5th National conference on respiratory allergy and immunology on 10/01/2016 at Saltlake, Kolkata.

Organiser: Jointly organised by Allergy and Asthma Research Centre and Zoology Department, Calcutta University.

Title of paper: "Fungal aerosols of Santiniketan, West Bengal, India and their impact on local inhabitants".

❖ **Declaration:**

I hereby declare that the above written particulars are true to the best of my knowledge and believe.
(Dr.Partha Karak)

❖ **Dr. Partha Karak, List of Participation in Seminar, Conference and Workshop**

Invited Lectures:

2020: On “Airborne spore allergens, air pollutants and socioeconomic status as risk factors for childhood allergic diseases in West Bengal, India” at A Two Day National Conference On Science and Technology: Rural Development, Jointly organised by Indian Science Congress Association Kolkata Chapter & Surendranath College, Kolkata on 20th January 2020 and Chaired a Poster Session.

2019: On “Immunochemical characterization of aeroallergens from *Penicillium Oxalicum*” at 21st National Conference on Aerobiology, Jointly organised by Indian Aerobiology Society and Dept. of Botany, Visva-Bharati, Santiniketan on November 18-20, 2019 and Chaired a Poster Session.

International:

2017: Conference: 5th Paediatric Allergy and Asthma Meeting (PAAM) 2017 on 26-28 October, 2017 at Hilton London Metropole, London, UK.

Organiser: The European Academy of Allergy and Clinical Immunology, EAACI

Title of paper: Oral presentation on “Airborne spore allergens, air pollutants and socioeconomic status as risk factors for childhood allergic diseases in West Bengal, India”.

National:

2017

2. ISCA Best Poster Award at 104th Indian Science Congress, 3-7 January 2017 held at Tirupati, From the Section of Environmental Sciences.
3. Workshop on Introduction to statistical Methods organised by Dept. Of Statistics, Visva-Bharati, Santiniketan on 24-25 March, 2017.
4. Oral Presentation at National Seminar on Plant and Microbial Resources: Utilization and Conservation, March 15-16, 2017, at Dept. Botany, Visva-Bharati, santiniketan

2016

5. P. H. Gregory Award (Gold Medal) at The 19th National Conference of Aerobiology, 9-11, December 2016 organised by Indian Aerobiological Society at Bose Institute, Kolkata.
6. Oral presentation at IAACON 2016, Indian Academy of Allergy Conference, 22-24 April 2016 at Swissotel, Kolkata
7. Oral presentation at The 103rd Indian Science Congress 2015 January 3-7 at University of Mysore.
8. Poster presentation 5th National conference on respiratory allergy and immunology jointly organised by Allergy and Asthma Research Centre and Zoology Department Calcutta university on 10/01/2016.

2015

9. Poster presentation on The 102nd Indian Science Congress 2015 January 3-7 at University of Mumbai, Mumbai.
10. Two day user awareness programme on access to E-Resources, 24-25th August 2015. Organised by Visva-Bharati at At Santiniketan.
11. Delivered a oral lecture on 28-30 Sept.2015 at 18th National Conference of Indian Aerobiological Society, Tumkur University, Tumakuru, Karnataka.

2014

12. One Day Training Programme on Human Rights sponsored by National Human Rights commission ,New Delhi organised by Visva-Bharati at Santiniketan on 4th August 2014.

2013

10. Participation at 5th Indian Youth Science Congress, 6-9 December 2013 at Visva Bharati, Santiniketan.

2012

13. National seminar on “Plant Science Research In Human Welfare” in collaboration with Botanical Survey of India on Jan 11th-12th,2012 at Bidhannagar Govt.College, Saltlake, Kolkata.
14. Workshop on "People’s Biodiversity Register of Birbhum District,West Bengal" organised by West Bengal Biodiversity Board and Visva-Bharati, Santiniketan on Jan 8th, 2012.