



BARASAT GOVERNMENT COLLEGE

TEACHER'S PROFILE

DR KAUSTAV CHAKRABORTY, DEPARTMENT OF ZOOLOGY

- **DESIGNATION** : Assistant Professor (Stage1)
- **QUALIFICATION** : M.Sc., Ph.D.
- **DATE OF JOINING THE SERVICE** : Sep 30, 2019
- **DATE OF JOINING THE INSTITUTION** : Jan 9, 2025
- **ADDRESS FOR COMMUNICATION** : 53C/3, DR. SURESH CHANDRA BANERJEE ROAD, BELEGHATA, KOLKATA-700010
- **PHONE NO** : 9836856131
- **EMAIL ADDRESS** : kaustavc17@gmail.com
- **SPECIALIZATION** : Immunology & Parasitology
- **TEACHING EXPERIENCE** : 09/01/2025 - Present, UG & PG as an Assistant Professor at Barasat Govt. College;
30/09/2029 - 08/01/2025, UG as an Assistant Professor at S.B.S. Govt. College, Hili;
01/02/2019 - 28/09/2019, UG as an Guest Lecturer at RKM Vidyamandira;
01/09/2017 - 31/08/2018, UG as an Guest Lecturer at Basirhat College.
- **COLLEGE SERVED** : (1) Basirhat College UG as an Guest Lecturer): 01/09/2017 - 31/08/2018
(2)RKM Vidyamandira (UG as an Guest Lecturer): 01/02/2019 - 28/09/2019
(3) S.B.S. Govt. College, Hili (Assistant Professor): 30/09/2029 - 08/01/2025
(4) Barasat Govt. College (Assistant Professor): 09/01/2025 - Present

➤ ACADEMIC AND ADMINISTRATIVE EXPERIENCE	: 09/01/2025 - Present, UG & PG as an Assistant Professor at Barasat Govt. College, Member in Seminar Organizing Committee; 30/09/2029 - 08/01/2025, UG as an Assistant Professor at S.B.S. Govt. College, Hili; Joint Convener in Publication & Magazine Committee, Member of Seminar/Research & Review/Sports/Cultural Committee
➤ TOPICS TAUGHT	: Non-Chordate, Chordate, Parasitology, Immunology, Cell & Molecular Biology, Wildlife Biology, Endocrinology, Genetics, Biotechnology
➤ AREA OF RESEARCH & INTEREST	: Immunopathology of any chronic inflammatory diseases; Environmental Pollution (Plastic Pollution) & Remedies; Biodiversity (Birds, Butterflies) & Wildlife Biology
➤ ONGOING PROJECT DETAILS	: None
➤ AWARD RECEIVED	: <ul style="list-style-type: none"> (1) Awarded "2nd Best Oral Presentation" at an International Seminar on "Modern Medicine and Rational Use of Medicine – A Challenge" at Jadavpur University, 17th January 2025. (2) Awarded for "DBT-Research Associateship", Department of Biotechnology, Government of India on May, 2018 for Post-Doctorate at IICB, Jadavpur. (3) Awarded for "International Travel Support" sponsored by Department of Science and Technology – Science and Engineering Research Board (DST-SERB), Govt. of India to participate in 13th International Symposium on Dendritic Cells at Tours, Loire Valley, France. (4) Awarded for "International Travel Grant" sponsored by UPE Travel Grant, University of Calcutta to participate in 15th ERS Lung Science Conference at Estoril, Portugal.
➤ PATENT DETAILS	: None
➤ EXTRACURRICULAR ACTIVITIES	: Bird Watching; Nature and Wildlife Photography; Writing travel stories; Singing; Playing Cricket; etc.
➤ CAREER PROFILE	<ul style="list-style-type: none"> B.Sc. from Maulana Azad College (CU) 2006-2009; M.Sc. from Maulana Azad College (CU) 2009-2011; CSIR-UGC NET JRF (UGC) in Life Science, December 2011; Ph.D. from Calcutta University in Immunology & Cell Biology 2012-2018; DBT-RA (Post-Doc) from IICB, Jadavpur 2018-2019 <p>Publications: 20 (Research & Review Articles-16, Book Chapters-4)</p> <p>Conferences/Seminars: (International-6> abroad 2*, National-10, State-2) *"Treg depletion decelerates bleomycin-induced pulmonary fibrosis". 15th ERS Lung Science Conference at Estoril, Portugal. March 23rd-26th, 2017. "Modulation of phenotypic and functional maturation of murine bone-marrow-derived dendritic cells (BMDCs) induced by cadmium chloride". DC-2014, 13th International Symposium on Dendritic Cells at Tours, Loire Valley, France. September 14th-18th, 2014.</p> <p>Reviewer Credits: (i) Human Immunology, (ii) Asian Journal of Pregnancy and Childbirth, (iii) Annual Research & Review in Biology (ARRB) Journal, (iv) Allied Academics Journal</p>
➤ ACADEMIC LINK	: 1. Google Scholar: https://scholar.google.com/citations?user=8l4hgx8AAAAJ&hl=en

PUBLICATION

JOURNAL PUBLICATION (MAXIMUM TEN BEST PUBLICATION)

- (1) Das S, Chakraborty K, 'Report of a New Larval Host plant of Galleria mellonella (Linnaeus, 1758) from Kolkata, West Bengal, India (Lepidoptera: Pyralidae, Galleriinae). ', SHILAP Revista de lepidopterologia 2023; 52(206): 255-259., December, 2023, 2340-4078
- (2) 2.Dey A, Gomes A, Chakraborty K, Dasgupta SC., 'Black Tea (Camellia sinensis) Extract Induced Changes on Placenta can Alter Fetal and Neonatal Bone Health in Experimental Animal Model. ', Advances in Clinical Toxicology 2020; 5(4): 000201., December, 2020, 2577-4328
- (3) Chakraborty K, Dey A, Bhattacharyya A, Dasgupta SC. , 'Anti-fibrotic effect of black tea (Camellia sinensis) extract in experimental pulmonary fibrosis. ', Tissue and Cell 2019; 56:14-22., January, 2019, 0040-8166
- (4) Chakraborty K, Chatterjee S, Bhattacharyya A., ' Impact of Treg on other T cell subsets in progression of fibrosis in experimental lung fibrosis. ', Tissue and Cell 2018; 53:87-92., May, 2018, 0040-8166
- (5) Chakraborty K, Chatterjee S, Bhattacharyya A. , 'Modulation of CD11c+ lung dendritic cells in respect to TGF- β in experimental pulmonary fibrosis. ', Cell Biology International 2017; 41(9):991-1000., March, 2017, 1065-6995
- (6) Moitra S, Chakraborty K, Bhattacharyya A, Sahu S., ' Impact of occupational cadmium exposure on spirometry, lung leukocyte count, and lung cell DNA damage among Indian Goldsmith. ', American Journal of Industrial Medicine 2015; 58:617-624., January, 2015, 0271-3586
- (7) Chakraborty K, Chatterjee S, Bhattacharyya A. , 'Modulation of phenotypic and functional maturation of murine bone marrow-derived dendritic cells (BMDCs) induced by cadmium chloride. ', International Immunopharmacology 2014; 20:131-140., February, 2014, 1567-5769
- (8) Chakraborty K. , "'Bats Harbor Infectious SARS-Corona Viruses but are not affected by them. Why? An Immunological and Physiological Perspective". ', METSZET Journal 2023; 8(9): 445-448., September, 2023, 2061-2710
- (9) Chakraborty P, Chakraborty K. , "'Anti-fibrotic agents could be the game-changer for post-COVID-19 pulmonary fibrosis treatment". ', European Journal of Biological Research 2022; 12(1): 1-10., December, 2021, 2449-8955
- (10) Ghosh PC, Chakraborty K. , "'Phenotypical and Functional Status of Natural Killer (NK) Cells in COVID-19". ', EC Pulmonology and Respiratory Medicine 2020; 9(12):09-15., November, 2020, 2453-188X



BOOK PUBLICATION

:

(MAXIMUM FIVE BEST PUBLICATION)

- (1) Das S, Mandal D, Chakraborty K. , 'Impact of Plastic Pollution on Faunal Survival with probable Sustainable Solutions. In: Roychoudhury S., Sanyal T., Sen K., Sanyal S.M. (eds) A Basic Overview of Environment and Sustainable Development. ', International Academic Publishing House, December, 2023, 978-81-962683-8-1
- (2) Chakraborty K, Bhattacharyya A. , 'Role of Proteases in Inflammatory Lung Diseases. In: Chakraborti S., Dhalla N. (eds) Proteases in Health and Disease. Advances in Biochemistry in Health and Disease, vol 7', Springer, New York, NY, May, 2013, 978-1-4614-9232-0
- (3) Soumya Chatterjee, Kaustav Chakraborty, Subhabrata Moitra , Arindam Bhattacharyya, 'Role of Proteases in Idiopathic Pulmonary Fibrosis', Springer, Singapore, November, 2017, 978-981-10-6140-0
- (4) Chatterjee, S., Chakraborty, K., Dalui, S., Bhattacharyya, A. , 'Oxidative Stress and Immune Regulation During Chronic Respiratory Diseases.', Springer, Singapore, September, 2019, 978-981-13-8412-7