

DR. ANKUR DAS

Assistant Professor

Ph.D. (Physiology),

Email: ankurdas@tdbcollege.ac.in

» Overview:

Mr. Das is presently teaching as an Assistant Professor in the Department of Physiology, T.D.B. College, Raniganj. He has completed his B.Sc. Honours in Physiology from Hooghly Mohsin College, The University of Burdwan. After that, he has completed his M.Sc. in Human Physiology from the Department of Physiology, University of Calcutta. He was awarded with CSIR-NET-JRF twice in Life Sciences. He has completed his Ph.D. in Physiology under the guidance of Dr. Sreya Chattopadhyay (Assistant Professor, Department of Physiology, University of Calcutta). His area of research interests includes immunology, cellular signalling, and cancer biology. During his Ph.D. tenure, he has published multiple research article in Peer-Reviewed journals.

» Date of appointment to the present job:

20th December, 2023

» Other Academic/ Administrative post:

NA

» Academic background:

- **Ph.D. Thesis Title:** “Evaluation of the Molecular Basis of Arsenic-Induced Loss of Immune Homeostasis in Swiss Albino Mice: Interplay among Oxidative Stress, Inflammation and Autophagy”
Duration: 2018-2023
Details: Research pursuing under the guidance of Dr. Sreya Chattopadhyay, Department of Physiology [University of Calcutta, India]
- **Master of Science in Human Physiology** with specialization in "Immunology and Microbiology": University College of Science, Technology and Agriculture, University of Calcutta; (2015-2017); Percentage secured: 73 %
- **Bachelor of Science (Honours) in Physiology:** Hooghly Mohsin College, The University of Burdwan; (2012-2015); Percentage secured: 72.75 %
- **Higher Secondary (10+2) Examination in Science:** Nabadwip Hindu School, West Bengal Council of Higher Secondary Education; (2012); Percentage secured: 64 %
- **Secondary Examination:** Nabadwip Hindu School, West Bengal Board of Secondary Education; (2010); Percentage secured: 60 %

» Information about Ph.D.:

- **Date of Joining:** 01.07.2018
- **Date of Submission:** 03.10.2023
- **Thesis Title:** “Evaluation of the Molecular Basis of Arsenic-Induced Loss of Immune Homeostasis in Swiss Albino Mice: Interplay among Oxidative Stress, Inflammation and Autophagy”

» **Professional Qualifications:**

- WBCSC

» **Publications in Journals:**

1. Mitra, A., **Das, A.**, Ghosh, S., Sarkar, S., Bandyopadhyay, D., Gangopadhyay, S., & Chattopadhyay, S. (2024). Metformin instigates cellular autophagy to ameliorate high-fat diet-induced pancreatic inflammation and fibrosis/EMT in mice. *Biochimica et biophysica acta. Molecular basis of disease*, 1870(7), 167313. Advance online publication. <https://doi.org/10.1016/j.bbadis.2024.167313>. (*Impact Factor: 6.2*)
2. Das, N., Mukherjee, S., **Das, A.**, Gupta, P., Bandyopadhyay, A., Chattopadhyay, S. (2024). Intra-tumor ROS amplification by melatonin interferes in the apoptosis-autophagy-inflammation-EMT collusion in the breast tumor microenvironment. *Heliyon*, 10(1), e23870. <https://doi.org/10.1016/j.heliyon.2023.e23870>. (*Impact Factor: 4*)
3. Sarkar, S., **Das, A.**, Mitra, A., Ghosh, S., Chattopadhyay, S., & Bandyopadhyay, D. (2023). An integrated strategy to explore the potential role of melatonin against copper-induced adrenaline toxicity in rat cardiomyocytes: Insights into oxidative stress, inflammation, and apoptosis. *International immunopharmacology*, 120, 110301. <https://doi.org/10.1016/j.intimp.2023.110301>. (*Impact Factor: 5.6*)
4. Mukherjee, S., Gupta, P., Ghosh, S., Choudhury, S., **Das, A.**, Ahir, M., Adhikary, A., & Chattopadhyay, S. (2023). Targeted tumor killing by pomegranate polyphenols: Pro-oxidant role of a classical antioxidant. *The Journal of nutritional biochemistry*, 115, 109283. Advance online publication. <https://doi.org/10.1016/j.jnutbio.2023.109283> (*Impact factor: 5.6*)
5. **Das, A.**, Chowdhury, O., Gupta, P., Das, N., Mitra, A., Ghosh, S., Ghosh, S., Sarkar, S., Bandyopadhyay, D., & Chattopadhyay, S. (2023). Arsenic-induced differential inflammatory responses in mouse thymus involves NF- κ B/STAT-3 disruption, Treg bias and autophagy activation. *Life sciences*, 314, 121290. <https://doi.org/10.1016/j.lfs.2022.121290> (*Impact factor: 6.1*)
6. Chowdhury, O., Ghosh, S., **Das, A.**, Liu, H., Shang, P., Stepicheva, N. A., Hose, S., Sinha, D., & Chattopadhyay, S. (2023). Sustained systemic inflammation increases autophagy and induces EMT/fibrotic changes in mouse liver cells: Protection by melatonin. *Cellular signalling*, 101, 110521. <https://doi.org/10.1016/j.cellsig.2022.110521> (*Impact factor: 4.8*)
7. Mishra, S., Chattopadhyay, A., Naaz, S., Banerjee, A., Ghosh, A. K., Pal, P. K., Bhattacharya, T., **Das, A.**, Chattopadhyay, S., & Bandyopadhyay, D. (2021). Oleic acid as a restorative agent in alleviating adrenaline induced altered morphofunctional milieu of gastric tissue and mitochondria. *Heliyon*, 7(3), e06476. <https://doi.org/10.1016/j.heliyon.2021.e06476>. (*Impact factor: 4*)
8. Ghosh, S., Choudhury, S., Chowdhury, O., Mukherjee, S., **Das, A.**, Sain, A., Gupta, P., Adhikary, A., & Chattopadhyay, S. (2020). Inflammation-induced behavioral changes is driven by alterations in Nrf2-dependent apoptosis and autophagy in mouse hippocampus: Role of fluoxetine. *Cellular signalling*, 68, 109521. <https://doi.org/10.1016/j.cellsig.2019.109521>. (*Impact factor: 4.8*)

» **Books and Chapters:**

- **Books:**

N. A.

- **Chapters:**

N.A

» **Seminars, Conferences, Webinars and workshops attended:**

- Poster presented on “Arsenic-Induced Oxidative Stress Instigates Differential Inflammatory Responses and Immune-Suppression via Treg Activation” at **Immunocon** [November, 2019]. Organized by Radiation Medicine Centre, BARC & ICMR-National Institute for Reproductive Health.
- Poster presented on “Melatonin as an Effective Immune Influencer against Arsenic-Induced Alterations in T Cell Biology” at **45th edition of the All-India Cell Biology Conference (AICBC)** [January, 2023]. Organized by Indian Society of Cell Biology and Banaras Hindu University (BHU).
- Poster presented on “Arsenic immunotoxicity involves thymic inflammation and fibrosis: Possible protection by melatonin” at **Indian Immunology Society at their Golden Jubilee Conference (Immunocon-50)** [October 2023]. Organized by AIIMS, New Delhi, India.

» **Life Membership:**

- N.A.

» **Awards/ Academic Achievements:**

- **NET:** CSIR-UGC-NET (JRF), December, 2017
- **NET:** CSIR-UGC-NET (JRF), June, 2018

» **Professional Courses:**

- N.A.

» **Others/ Miscellaneous:**

- N.A.