



**KAZI NAZRUL UNIVERSITY
ASANSOL**



Short CV of Faculty

- + **Name:** Dr. Prem Rajak
- + **Designation:** Assistant Professor
- + **Address:** Department of Animal Science, **Kazi Nazrul University**,
Asansol, W. B. - 713 340
- + **Contacts:**

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+ **Qualifications:**

- ✓ B. Sc. (Honours) in Zoology (2009), The University of Burdwan
- ✓ M.Sc. in Zoology (Specialization: Molecular Biology & Genetics) (2011), The University of Burdwan
- ✓ Ph.D in Zoology (2019), The University of Burdwan

+ **Teaching experience:** 5 Years and continuing

- Worked as **Assistant Professor** (W. B. E. S.) at Post Graduate Department of Zoology, A. B. N. Seal College, Cooch Behar, W.B. (Tenure: 1/12/2015 to 5/02/2019).
- Currently working as **Assistant Professor** at the Department of Animal Science, Kazi Nazrul University, Asansol, W.B. (06/02/2019 to present).

+ **Area of interest:**

Molecular Biology, Cytogenetics, Toxicology, Developmental Biology, Physiology.

+ **Research experience:** (7 years and continuing)

Doctoral Study:

Hazardous Effects of Acephate Toxicity in a Non-target Organism, *Drosophila melanogaster*.

Number of Research/Review Articles published: 14; Book Chapter: 01

+ **Fellowship/Awards:**

- GATE IN LIFE SCIENCES – 2015, AIR: 341
- CSIR-UGC NET (SRF) – April, 2015
- CSIR-UGC NET (JRF) – June, 2013
- CSIR-UGC NET (JRF) – December, 2012
- CSIR-UGC NET (LS) – June, 2012

✚ Orientation Program/Refresher Course attended:

- ✓ Participated in **115th Orientation Program** (*Duration: 08/08/2019 to 28/08/2019*) organized by Human Resource Development Centre, **The University of Burdwan**, Burdwan.
- ✓ Participated in **Refresher Course in Bio-Sciences** (*Duration: 18/12/2019 to 31/12/2019*) organized by Human Resource Development Centre, **Punjab University**, Chandigarh.

✚ Selected Publications: (Recent five)

- **Rajak, P.**, Ganguly, A., Sarkar, S., Mandi, M., Dutta, M., Podder, S., Khatun, S., Roy, S. (2021). Immunotoxic role of Organophosphates: an unseen risk escalating SARS-CoV-2 pathogenicity. Accepted for publication in *Food and Chemical Toxicology*. (Elsevier; 2019 Impact Factor: 4.697).
- Mandi, M., Khatun, S., **Rajak, P.**, Mazumdar, A., Roy, S. (2020). Potential risk of organophosphate exposure in male reproductive system of a non-target insect model *Drosophila melanogaster*. *Environmental Toxicology and Pharmacology*, 74, 103308. Elsevier; 2019 Impact Factor: 3.292; Citation: 02)
- **Rajak, P.**, Khatun, S., Dutta, M., Mandi, M., Roy, S. (2018). Chronic exposure to acephate triggers ROS-mediated injuries at organismal and sub-organismal levels of *Drosophila melanogaster*. *Toxicology Research*, 7 (5): 874-887. (Royal Society of Chemistry; 2019 Impact Factor: 2.283; Citation: 03).
- Khatun, S., Mandi, M., **Rajak, P.**, Roy, S. (2018). Interplay of ROS and behavioral pattern in fluoride exposed *Drosophila melanogaster*. *Chemosphere*, DOI: 10.1016/j.chemosphere.2018.06.074. (Elsevier; 2018 Impact Factor: 5.778; Citation: 06).
- **Rajak, P.**, Dutta, M., Khatun, S., Mandi, M., Roy, S. (2017). Exploring hazards of acute exposure of Acephate in *Drosophila melanogaster* and search for L-ascorbic acid mediated defense in it. *Journal of Hazardous Materials*, 321: 690–702. (Elsevier; 2018 Impact Factor: 9.038; Citations: 17).

For more details, please visit the sites as follows:

 <https://scholar.google.co.in/citations?user=mEMZ5FUAAA&hl=en>



https://www.researchgate.net/profile/Prem_Rajak2