KAZI NAZRUL UNIVERSITY
ASANSOL

Faculty Profile

1. **Name:** Dr. PREM RAJAK
2. **Department:** Animal Science
3. **Current Designation:** Assistant Professor
4. **Address for Communication (Present):** Department of Animal Science, Kazi Nazrul University, Asansol-713 340.
5. **Address for Communication (Permanent):** Shiv Pally, P.O. Khandra, Dist.: Paschim Bardhaman, W. B. - 713 363.
6. **Contact Number:** +91 9002926573
7. **E. mail ID:** prem.rjk@gmail.com
8. **Academic details:**

Degree	*Name of the University*	*Date of Award*
Ph. D	The University of Burdwan	2019
M. Sc.	The University of Burdwan	2011
B. Sc.	The University of Burdwan	2009

9. **Published Papers in Journals:**

Sl. No.	*Name of Article*	*Journal with page no.*	*ISSN / ISBN*	*Referred / Non-Referred*	*No. of co-authors*	*Whether you are the main author*	*Date of Publication*
1.	Chronic exposure to acephate triggers ROS-mediated injuries at organismal and sub-organismal levels of *Drosophila melanogaster*.	*Toxicology Research* ***(Royal Society of Chemistry)****; 874-887*	2045-4538	Referred	05	Yes	2018
2.	Interplay of ROS and	*Chemosphere*	0045-	Referred	04	No	2018

	behavioral pattern in fluoride exposed *Drosophila melanogaster*.	***(Elsevier)***; 220-231	6535				
3.	Exploring hazards of acute exposure of Acephate in *Drosophila melanogaster* and search for l-ascorbic acid mediated defense in it.	*Journal of Hazardous Materials* ***(Elsevier)****; 690-702*	0304-3894	Referred	05	Yes	2017
4.	Sodium fluoride adversely affects ovarian development and reproduction in *Drosophila melanogaster*.	*Chemosphere* ***(Elsevier)****; 51-61*	0045-6535	Referred	04	No	2017
5.	Toxicity assessment of sodium fluoride in *Drosophila melanogaster* after chronic sub-lethal exposure.	*Chemosphere* ***(Elsevier)***; 255-266	0045-6535	Referred	04	No	2017
6.	Altered differential hemocyte count in 3rd instar larvae of *Drosophila melanogaster* as a response to chronic exposure of Acephate.	*Interdisciplinary Toxicology* ***(DeGruyter)****; 101-105*	1337-6853	Referred	03	Yes	2015
7.	Effect of acute exposure of acephate on hemocyte abundance in a nontarget victim *Drosophila melanogaster*.	*Toxicological and Environmental Chemistry* ***(Taylor & Francis)****; 768-776*	0277-2248	Referred	03	Yes	2014
8.	Acephate-induced shortening of developmental duration and early adult emergence in a nontarget insect *Drosophila melanogaster*.	*Toxicological and Environmental Chemistry* ***(Taylor & Francis)****; 1369-1379*	0277-2248	Referred	03	Yes	2013

10. Articles/Chapters Published in Edited Volume

Sl. No.	*Name of Article/Chapter*	*Name of Edited Volume, Editor, Publisher*	*ISBN No.*	*NO. of Co-authors*	*Whether you are the main author*	*Date of Publication*
1.	Heat Shock Proteins and Pesticide Stress.	Regulation of Heat Shock Protein Responses. Heat Shock Proteins, Asea A., Kaur P., ***Springer, Cham***.	978-3-319-74715-6	02	Yes	2018

11. Papers presented in Conferences/Seminars/Workshops/Symposia:

Sl. No.	*Title of Paper Presented*	*Title of Conference/Seminer/ Symposia*	*Organizing Authority*	*Whether International/ National/State/ Regional/ University/ College level*	*Date of Presenting the Paper*
1.	Physiological adversities in *Drosophila melanogaster* following chronic sub-lethal exposure to acephate	Trends in Zoology	Department of Zoology, The University of Burdwan	International	3rd – 4th January, 2019
2.	Exploring the effect of L-ascorbic acid on acephate induced eye deformities in *Drosophila melanogaster*	ZooCon 2017: Animal Science in 21st Century	Department of Zoology, University of North Bengal, Siliguri	National	11th – 12th December, 2017
3.	Acephate induces ROS-meditated tissue damage in Drosophila melanogaster	Concepts on Conservation and Propagation of Indigenous Life Forms in Eastern Himalayan Region	Department of Zoology, Darjeeling Government College, Darjeeling	International	12th and 13th May, 2017
4.	Acephate triggers	Gene-Environment	Department of	National	5th – 6th

	oxidative stress and tissue damage in a non-target organism, *Drosophila melanogaster*	interaction in Development, Disease and Evolution	Zoology, Banaras Hindu University		March, 2017
5.	Acephate induced alterations in differential hemocyte count of Drosophila melanogaster	Frontiers in Science and Technology towards national development	Acharya Brojendra Nath Seal College, Cooch Behar	National	10^{th} – 11^{th} April, 2016
6.	Acephate induced acetylcholine esterase inhibition and subsequent morphological alterations in adult compound eye of *Drosophila melanogaster*	International Conference on Environment And Ecology	Foundation for Science and Environment, Kolkata; Science and Environmental Research Institute, Kolkata; Indian Institute of Ecology and Environment, New Delhi	International	2^{nd} – 4^{th} March, 2015
7.	Effects of chronic exposure of Acephate on differentiated hemocyte abundance in 3^{rd} instar larvae of *Drosophila melanogaster*	International Conference on The Theme, Mother Earth: Save It To Achieve A Sustainable Future For All	Department of Environmental Science, The University of Burdwan	International	10^{th} – 12^{th} December, 2014
8.	Interplay between Cytochrome P450 and Heat Shock Protein 70 to protect a non-target victim from chemical stress	International Symposium on Genetic Analysis Translational And Developmental & Annual Meeting of Society for Biotechnologists (India)	Department of Zoology, The University of Burdwan	International	21th – 23^{rd} November, 2014
9.	Acephate induced cholinesterase inhibition and	Impact of Pollution: Assessment and Awareness	Department of Zoology, Hooghly Women's College,	State	14^{th} – 15^{th} February, 2014

	shortening of life cycle in *Drosophila melanogaster*		Pipulpati, Hooghly		
10.	Acephate as cholinesterase inhibitor in a non target insect model *Drosophila melanogaster*	Bioprospecting of Natural Products	Department of Zoology, The University of Burdwan	National	5^{th} – 6^{th} December, 2013

12. Received Research Fellowship/Awards

Sl. No.	***Title***	***Funding Agency***	***Period***	***Grant/Amount/Mobilized (Rs.)***
1.	CSIR-UGC NET-SRF	UGC	01/04/2015 - 30/11/2015	……..
2.	CSIR-UGC NET JRF	UGC	01/04/2013 - 31/03/2015	……..