

# **DR. SAURABH SARKAR**

**M.SC., Ph.D (The University of Burdwan)**

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**Date of Birth:** 04/01/1982

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## **CURRENT POSITION**

**Assistant Professor, Department of Zoology,**

**Gushkara Mahavidyalaya** (Affiliated to The University Of Burdwan)  
[NAAC RE-ACCREDITED 'A' GRADE DEGREE COLLEGE; RUSA 2.0 FUNDED]  
P.O. - Gushkara, Dist- Purba Bardhaman - 713128, West Bengal, INDIA.

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**AND**

**In Charge, Department of Nutrition,**

**Gushkara Mahavidyalaya** (Affiliated to The University Of Burdwan)  
P.O. - Gushkara, Dist- Purba Bardhaman - 713128, West Bengal, INDIA.

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## CREDENTIALS

### 1. Academic Qualifications:

S.N	Examinations	Year	Subject(s)	Board /University	Marks
1.	Doctor of Philosophy [Ph.D.]	2017	ZOOLOGY	The University of Burdwan	NA
2.	Master of Philosophy [M.Phil.]	2010	ZOOLOGY	Vinayaka Mission's University	60%
3.	Master of Science [M.Sc.]	2008	ZOOLOGY	The University of Burdwan	74%
4.	Bachelor of Science [B.Sc.(H)]	2006	ZOOLOGY	The University of Burdwan	68%
5.	Higher Secondary Examination (XII)	2001	SCIENCE STREAM	West Bengal Council of Higher Secondary Education (W.B.C.H.S.E)	66%
6.	Secondary Examination (X)	1999	ALL SUBJECTS	West Bengal Board of Secondary Education (W.B.B.S.E)	82%

### 2. Professional /Additional Qualifications/Skills:

S.N	Examinations/Courses	Year	Subjects	Board/University/Institute	Marks
1.	Industry Programme in Bioinformatics (1 Year Diploma)	2021	Bioinformatics	Bioinformatics institute of India, Noida - 201301, INDIA. Website: www.bii.in	81%
2.	Bachelor of Education (B.Ed)	2015	Education	Netaji Subhas Open University (NSOU), Kolkata, INDIA.	78%
3.	Hindi Language (1 Year Certificate)	2010	Hindi	Ministry of Human Resource Development, Central Hindi Directorate, Govt. of INDIA.	72%
4.	Master of Arts [M.A.] (2 Years Degree)	2009	English	Indira Gandhi National Open University (IGNOU), INDIA	59%
5.	Graduate in Painting (Equivalent to 5th Year)	2004	Painting	Kolkata Sangeet Bidya Bihar Kolkata, West Bengal, INDIA	68%
6.	Mushroom Cultivation Technology (3 Weeks)	2004	Mushroom Culture	Burdwan Zilla Parisad, West Bengal, INDIA.	NA

7.	Desktop Publishing (DTP) (3 Months Certificate)	2003	Computer Printing	Centre For Advance Career, Youth Computer Training Centre (Asansol), Department of Youth Services, Government of West Bengal, INDIA.	B+ (70% - 79%)
8.	C++ (3 Months Certificate)	2003	Computer Language	Centre For Advance Career, Youth Computer Training Centre (Asansol), Department of Youth Services, Government of West Bengal, INDIA.	B (50% - 69%)
9.	Information Technology (DITA) (1 Year Diploma)	2002	Information Technology	Youth Computer Training Centre (Asansol), Department of Sports and Youth Services, Government of West Bengal, INDIA.	B+ (70% - 79%)

## RESEARCH AREAS & INTERESTS

- Explore toxicological profile of different fluorinated chemicals on biological organisms
- Microscopic (SEM, TEM, Fluorescence) analysis to evaluate morphological abnormalities
- Expertise in different enzyme kinetics assessment (AChE, ONPG, CytP450 etc.)
- Investigation of neuro-muscular co-ordination in insect behavior (vision & locomotion)
- Statistical data analysis through computer using OriginPro 8, ExcelStat10, Prism, Minitab

**DOCTORAL THESIS TITLE:** Study of Flubendiamide induced variations in the biology of a non target insect, *Drosophila melanogaster*

**Supervisor:** Dr. Sumedha Roy

**Affiliation:** Assistant Professor, Toxicology Research Unit, Department of Zoology, The University of Burdwan, P.O.- Rajbati, Dist- Burdwan, West Bengal, PIN- 713104.

**Awarding University:** The University of Burdwan, INDIA.

**Year of Award:** 2017 (14<sup>th</sup> July)

**ORCID ID:** 0000-0002-2865-7448 (Link- <http://orcid.org/0000-0002-2865-7448>)

**Scopus Author ID:** 56506095800

## EXPERIENCE

### 1. Teaching Experience:

S.No.	Position	Name of the Institute	From	To
1.	Assistant Professor	Department of Zoology, Gushkara Mahavidyalaya, (Affiliated to The University of Burdwan) P.O. - Guskara, Purba Bardhaman -713128, West Bengal, India. E-mail: <a href="mailto:guskaramahavidyalaya@gmail.com">guskaramahavidyalaya@gmail.com</a>	11/12/2019	Till date
2.	In Charge (Head of the Department)	Department of Nutrition, Gushkara Mahavidyalaya, (Affiliated to The University of Burdwan) P.O. - Guskara, Purba Bardhaman -713128, West Bengal, India. E-mail: <a href="mailto:guskaramahavidyalaya@gmail.com">guskaramahavidyalaya@gmail.com</a>	02/01/2020	Till date

### 2. Research Experience:

S.No.	Positions held	Name of the Institute	From	To
1.	Post Doctoral Research Scholar	Toxicology Research Unit, Department of Zoology, The University of Burdwan, P.O.- Rajbati, Dist- Burdwan, West Bengal, PIN- 713104.	15/07/2017	31/08/2018
2.	Research Scholar (Doctoral)	Toxicology Research Unit, Department of Zoology, The University of Burdwan, P.O.- Rajbati, Dist- Burdwan, West Bengal, PIN- 713104.	11/04/2011	14/07/2017

## TRAINING FOR CAREER ADVANCEMENT SCHEME (CAS)

S.N	Examinations	Year	Subject	University/Institute	Grade
1.	Faculty Developmental Programme (2 weeks)	25/07/2020 – 10/08/2020	Managing online classes & co-creating MOOCS 3.0	Teaching Learning Centre, Ramanujan College, University of Delhi, Kalkaji, New Delhi - 110019, INDIA.	A

Faculty Developmental Programme (2 weeks)	01/10/2020 – 15/10/2020	Research Methodology	Teaching Learning Centre, Ramanujan College, University of Delhi, Kalkaji, New Delhi - 110019, INDIA.	A
Faculty Developmental Programme (4 weeks)	11/02/2021 – 13/03/2021	Orientation Programme	Teaching Learning Centre, Ramanujan College, University of Delhi, Kalkaji, New Delhi - 110019, INDIA.	A+

## PUBLICATIONS

S.N	Author(s)	Title	Journal Name	Volume	Page	Year
1.	Prem Rajak, Abhratanu Ganguly, <b>Saurabh Sarkar</b> , Moutushi Mandi, Moumita Dutta, Sayanti Podder, Salma Khatun, Sumedha Roy	Immunotoxic role of organophosphates: An unseen risk escalating SARS-CoV-2 pathogenicity	Food and Chemical Toxicology <b>(ELSEVIER)</b>	149	1120-07	2021
2.	<b>Saurabh Sarkar</b> , Arnab Roy, Sumedha Roy	Flubendiamide affects visual and locomotory activities of <i>Drosophila melanogaster</i> for three successive generations (P, F <sub>1</sub> and F <sub>2</sub> )	Invertebrate Neuroscience <b>(SPRINGER NATURE 2018)</b>	18(6)	557	2018a
3.	<b>Saurabh Sarkar</b> , Prem Rajak, Sumedha Roy	Toxicological Evaluation of a New Lepidopteran Insecticide, Flubendiamide, in Non-Target <i>Drosophila melanogaster</i> Meigen (Diptera: Drosophilidae)	Iranian Journal of Toxicology <b>(Iranian Society of Toxicology)</b>	12(3)	45-50	2018b
4.	<b>Saurabh Sarkar</b> , Salma Khatun, Moumita Dutta, Sumedha Roy	Trans-generational transmission of altered phenotype resulting from Fubendiamide-induced changes in apoptosis in larval imaginal discs of <i>Drosophila melanogaster</i>	Environmental Toxicology and Pharmacology <b>(ELSEVIER)</b>	56	350-60	2017a
5.	<b>Saurabh Sarkar</b> , Sumedha Roy	Monitoring the effects of a lepidopteran insecticide, Flubendiamide, on the biology of a non-target dipteran insect, <i>Drosophila melanogaster</i>	Environmental Monitoring and Assessment <b>(SPRINGER)</b>	189(11)	555	2017b

6.	<b>Saurabh Sarkar,</b> Sumedha Roy	Flubendiamide induces transgenerational compound eye alterations in <i>Drosophila melanogaster</i>	Interdisciplinary Toxicology <b>(DE GRUYTER)</b>	10(4)	142-47	2017c
7.	<b>Saurabh Sarkar,</b> Sumedha Roy	Flubendiamide inflicts tissue damage and alters detoxification status in non-target dipteran insect, <i>Drosophila melanogaster</i> .	Drosophila Information Service <b>(University of Oklahoma, U.S.A)</b>	100	49-54	2017d
8.	<b>Saurabh Sarkar,</b> Moumita Dutta, Sumedha Roy	Potential toxicity of flubendiamide in <i>Drosophila melanogaster</i> and associated structural alterations of its compound eye	Toxicological & Environmental Chemistry <b>(TAYLOR &amp; FRANCIS)</b>	96	1075-87	2015a
9.	<b>Saurabh Sarkar,</b> Sayanti Podder, Sumedha Roy	Flubendiamide-induced HSP70 expression in transgenic <i>Drosophila melanogaster</i> (hsp70-lacZ)	Current Science <b>INDIAN ACADEMY OF SCIENCES (INDIA)</b>	108(11)	2044-50	2015b

## ORAL/POSTER PRESENTATIONS

### A. Oral Presentations:

1. Two-Day UGC Sponsored National Level Seminar on “*Spare The Nature, Make The Earth Green*” organized by Department of Zoology, Sonamukhi College, Sonamukhi, Bankura, W.B., INDIA during 5-6 January, 2017.
2. “*21<sup>st</sup> West Bengal State and Science Technology Congress, 2014*” organized by The University of Burdwan and West Bengal State and Science Technology Department, West Bengal, INDIA, during 20-21 February, 2014.
3. UGC-DRS Sponsored National Seminar on “*Bioprospecting of Natural Products*” organized by Department of Zoology, The University of Burdwan, Burdwan, W.B., INDIA during 5-6 December, 2013.

### B. Poster Presentations:

1. “*25<sup>th</sup> West Bengal State and Science Technology Congress, 2018*” organized by The University of Burdwan and West Bengal State and Science Technology Department, West Bengal, INDIA, during 16-17 November, 2017

2. “100<sup>th</sup> Conference of Indian Science Congress Association” held in Calcutta University, Kolkata, W.B., INDIA during 3-7 January, 2013.

## **SEMINAR/WORKSHOP/SYMPOSIUM ATTENDED**

1. Attended Three-Day (3 days) Workshop on “*Epigenetic Techniques as Tools for Cancer Research*”– 17<sup>th</sup> -19<sup>th</sup> February, 2016 at NIT, Rourkela, INDIA (Residential programme).
2. Attended Three-Day (3 days) Workshop on “*Application of Statics on Life Sciences*”- 25-27 September, 2013 at Department of Zoology, Kolkata, INDIA.
3. Attended One-Day Workshop on “*Basic Flowcytometry*”- 9<sup>th</sup> July, 2012, at Department of Zoology, The University of Burdwan, Burdwan, W.B., INDIA.
4. Attended Ten-Day (10 days) “*All India Summer Research Training Programme on molecular Techniques*”- 23<sup>rd</sup> May to 1<sup>st</sup> June, 2012 at PG & Research Department of Microbiology and Biotechnology, Sengunthar Arts and Science College, Tiruchengode-637205, Tamilnadu, INDIA (Residential programme).

## **WEBINAR ATTENDED**

1. Three days International Webinar on “*Modern Approaches and Techniques for Advancement of Molecular Biology*” organized by Department of Zoology (Under DBT Star College Scheme), Krishna Chandra College, Hetampur, Birbhum, W.B., INDIA on February 12-14, 2021.
2. One Day International Webinar on “*Science, Biology and the World’s Future*” organized by Department of Botany, Dinabandhu Andrews College, Kolkata, W.B, INDIA on 25<sup>th</sup> August, 2020.
3. Two-Day National Level Multidisciplinary Webinar on “*Role of Guidance And Career Counseling in the Perspective of Present Pandemic Situation of Covid-19*” organized by Mankar College, Mankar, Purba Bardhaman- 713144, W.B., INDIA on 5<sup>th</sup> and 6<sup>th</sup> August, 2020.
4. One Day International Webinar on “*Nurturing Nature for Sustainable New Normal Beyond Pandemic*” organized by Department of Botany, M.U.C. Women’s College, Burdwan, Bardhaman-713104, W.B, INDIA on 4<sup>th</sup> July, 2020

## MEMBER OF THE ORGANIZING COMMITTEE

1. Joint Convener of the "*Awareness Programme on Plight of Asian and African Elephants*" on the occasion of World Elephant Day organized by IQAC and Department of Zoology, Gushkara Mahavidyalaya in collaboration with Durgapur Wildlife Information & Nature Guide Society (WINGS) on 12th August, 2020.
2. Organizing Committee Member of the International Webinar on "*International Joint Venture on the eve of World Nature Conservation Day*" organized by IQAC, Department of Zoology and Botany, Gushkara Mahavidyalaya in collaboration with Friends of Environment on 28th July, 2020.

**Declaration:** I hereby declare that above mentioned information are true and best of my knowledge.



*Saurabh Sarkar*

25/05/2021