

# RESUME

**NAME:** Dr. Sankhajit Roy  
**DESIGNATION:** Assistant Professor  
**CONTACTS:**



1. **OFFICIAL ADDRESS FOR CORRESPONDENCE:**  
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4. **ORCID ID:** \_\_\_\_\_

5. **GOOGLE SCHOLAR PROFILE:** \_\_\_\_\_

6. **RESEARCHGATE PROFILE:** \_\_\_\_\_

7. **DATE OF BIRTH:** 10 / 04 / 1970

8. **DATE OF JOINING TO THE UNIVERSITY:**  
01 / 11 / 2006

## 9. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph.D. (Agriculture) in Agricultural Chemicals	BCKV	2004
MASTER'S	M.Sc.(Ag.) in Agricultural Chemistry and Soil Science	BCKV	1996
BACHELOR'S	B.Sc. (Ag.) Hons.	BCKV	1994

## 10. EMPLOYMENT HISTORY:(Starting from present position)

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Assistant Professor	BCKV	01.11.2006	Till date
Agriculture Development Officer	Dept. of Agriculture; Govt. of West Bengal	31.10.2003	31.10.2006

## 11. ADMINISTRATIVE POST(S)/ RESPONSIBILITY(IES) (IF ANY)

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
1	Agriculture Development Officer/ Extension	31.10.2003	31.10.2006

**12. AREA OF RESEARCH : (Bulleted list)**

- Pesticide Residue Analysis.
- Fate and Behaviour of Pesticides in different environmental compartments viz. Food, water, soil etc.,
- Biopesticides.

**13. COURSES ASSOCIATED WITH:**

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
<b>UNDERGRADUATE</b>	ACH 208	Crop Protection Chemicals and their application	1+1
	EC-262	Chemistry of Pesticides	2+1
	ELP 456	Organic Production	0+10
<b>POST GRADUATE</b>			
	AC - 502	Chemical Laboratory Techniques	1+2
	AC - 503	Basic Chemistry	3+1
	AC - 504	Natural Product Chemistry	2+1
	AC - 507	Agrochemicals for Disease Management	2+1
	AC - 509	Chromatographic and Spectroscopic Techniques	2+1
	AC - 510	Pesticide Residue Chemistry	2+1
	AC- 591	Master's Seminar	1+0
<b>Ph.D.</b>			
	AC-602	Chemistry of Biopesticides	2+1
	AC - 603	Advanced Organic Chemistry	2+1
	AC- 604	Pesticide Metabolism, Persistence and Decontamination	2+1
	AC - 799	Doctoral Seminar-I	1+0
	AC - 999	Doctoral Seminar-II	1+0

**14. NUMBER OF STUDENTS SUPERVISED:**

Master's. \_\_\_09\_\_\_ Doctoral \_\_\_5\_\_\_

**15. RESOURCE PERSON FOR OTHER INSTITUTES (involvement in teaching or working as member of academic/ research bodies of other organizations, if any)****16. LIFE MEMBERSHIP OF ACADEMIC SOCIETIES:**

- Society of Pesticide Science
- Crop and Weed Science Society

**17. PROJECT ACTIVITIES**

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
<b>1</b>	Residue & persistence....soybean	M/s. UPL Ltd.	Ongoing	<b>PI</b>
<b>2</b>	Residue and persistence... spinosad in different crops	M/s. Panshibao Wang Pvt. Ltd.	Ongoing	<b>PI</b>
<b>3</b>	Residue study of spinosad... Grapes	M/s. Mahamaya industries Ltd.	Ongoing	<b>PI</b>
<b>4</b>	Residue study.... Dow AgroScience molecules	M/s. Dow Agroscience India Pvt. Ltd.	Ongoing	<b>PI</b>

5	Residue and persistence study of Crystal molecules in Rice, groundnut, sugarcane and soybean	M/s. Crystal Phosphates Ltd. , New Delhi	Completed	PI
6	Residue Study of paraquat Dichloride 24% SL in Potao & Maize”	M/s. Krishi Rasayan Export pvt. Ltd. , Kolkata	Completed	PI
7	Residue study of Cyhalofop butyle in Rice:	M/s. Dow Agrosience, Mumbai	Completed	PI
8	Residue study Glyphoate ... of Tea Potato & Rice	M/s. Mahamaya industries Ltd.	Completed	PI
9	Residue study.....in Maize ...onion	M/s. Indofil Co. ltd.	Completed	PI
10	Residue of Biffenthrin 10% EC in Rice & cotton and Thiodicarb 75% WP in Brinjal, cotton and chilli ”	M/s. Krishi Rasayan Pvt. Ltd	Completed	PI
11	Long Term Residue of various products of Biostadt	M/s. Bio-Stadt India Pvt. Ltd.	Completed	PI
12	Long term Residue studies on Crystal Molecules”	M/s. Crystal Crop Care Pvt Ltd., New Delhi	Completed	PI
13	Residue Study of paraquat Dichloride 24% SL in Potao & Maize”	M/s. Krishi Rasayan Export Pvt. Ltd., Kolkata	Completed	PI
14	Establishment of a testing and training centre for food and water quality (PIC No. R201900371) Co-PI	Govt. of West Bengal	Completed	Co-PI
15	Establishment of a centre for biological control (PIC No. R201900372)\ Co-PI	Govt. of West Bengal	Completed	Co-PI
16	Residue studies of New molecules of Makhteshim Agan”	M/s. Makhteshim Agan India Pvt. Ltd.		Co-PI
17	Residue Analysis of New & Conventional Molecules	M/s. Krish Biotech Export Pvt. Ltd., Kolkata	Completed	Co-PI
18	Residue studies on GSP molecules”	M/s. GSP Crop Science Pvt. Ltd.	Completed	Co-PI

## 18. CAPACITY BUILDING/FACULTY DEVELOPMENTPROGRAMME

### A. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE

### B. ATTENDED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	Training programme on ‘Quality Control of Microbial Bio-Pesticides’ 25th -29th October, 2021	5 Days	NIPHM, Hyderabad	Trainee
2.	Training programme on “Measurement Uncertainty”, 21-23 Nov. 2016	3 Days	BIS, Kolkata	Trainee
3.	ICAR Short Course on “Application of Electrospun Nanofibres in Crop	10 Days	CIRCOT, Mumbai	Trainee

	Health & Post-Harvest Technology” 15 -24 September, 2014			
4.	National Training Course on Synthesis and Characterization of Nanomaterials and their Application in Agriculture”, 16 -29 November, 2011.	14 Days	CIRCOT, Mumbai	Trainee
5.	“Laboratory Quality Management System and Internal Audit as per ISO/IEC 17025:2005”, 10-13 March, 2010.	4 Days	MMD Associates, Kolkata	Trainee

## 19. SEMINAR/ SYMPOSIUM/ WORKSHOP etc

### A. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE

### B. ATTENDED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1	7 <sup>th</sup> International Weed Science Congress, 19 – 25 June, 2016.	7 Days	Prague, Czech Republic	Participant
2	3 <sup>rd</sup> International Symposium on Medicinal and Nutraceutical Plants, 14-19 October, 2012	6 Days	Aracaju, Brazil.	Participant
3	3 <sup>rd</sup> Congress on Insect Science, 18-20 April, 2011.	3 Days	PAU, Ludhiana	Participant

## 20. PATENTS/ HONOURS/ AWARDS/ RECOGNITION (Bulleted list):

**2001:** Awarded German Academic Exchange Service **DAAD** (Sandwich) Scholarship for the year 2001-02 by **DAAD**, Germany for conduction advance research study in Germany.

**2018:** Awarded **Post Doctoral Scholarship by DAAD**, Germany in the year 2018 at Forschungszentrum Juelich, Germany.

**2019:** Recipient of Dr. A.P.J. Abdul Kalam Scientist Award by Society of Tropical Agriculture.

## 21. INTERNATIONAL COLLABORATIONS/ INVOLVEMENT, IF ANY (Bulleted list):

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## 22. PUBLICATIONS

### A. BOOKS:

### B. BOOK CHAPTERS (Best 10):

- (i) Pal B.B; **Roy S**; Kumar M. (2016) “A Genetic Algorithm to Goal Programming Model for Crop Production with Interval Data

(ii) Das S; **Roy S** (2015) “Electrospinning of Polymer composite Nanifibres and It’s Application in Agriculture” in *Modern Trends in Social and Basic Science*, pp. 72-83, Publ. By: Readers Service, India, ISBN No. ISBN 978-93 – 82623-51-9

(iii) Chowdhury A.; Pal R.; **Roy S.**; Roy Sumitra and Sarkar S. (2004) “Status of present day chemical disease management and their environmental impact” In *Plant Pathology: Problems and Perspectives*, 1<sup>st</sup> Ed., *Indian Phytopathological Society*.

### C. RESEARCH PAPERS (Best 10):

Sl. No.	Title with page no., volume	Journal Name	Year	NAAS rating
	Kumar V., Swain H.S., Upadhyay A., Ramteke M.H, DhruvaJyoti Sarkar D.J, <b>Roy Sankhajit</b> and Das B.K. (2023) “Bioaccumulation of Potentially Toxic Elements in Commercially Important Food Fish Species from Lower Gangetic Stretch: Food Security and Human Health Risk Assessment”, <i>Biological Trace Element Research</i> , 1-14	<i>Biological Trace Element Research</i> , Springer	2023	<b>9.90</b>
2.	Singha D., Das S., Bhowmick N., Kundu A., Bhattacharyya A., Kumar M., Jana M. and <b>Roy Sankhajit</b> (2022) “Impact of soil type and temperature on dissipation dynamics of a new readymix formulation of halauxifen-methyl + pyroxsulam”, <i>Bulletin of Environmental Contamination and Toxicology</i> , 109: 373–378	<i>Bulletin of Environmental Contamination and Toxicology</i> , Springer	2022	<b>8.70</b>
3.	Bagchi T.B., Chattopadhyay K., Sivashankari M., <b>Roy Sankhajit</b> , Kumar A., Biswas T. And Pal S. (2021) “Effect of different processing technologies on phenolic acids, flavonoids and other antioxidants content in pigmented rice”, <i>Journal of Cereal Science</i> , 100: 103263	<i>Journal of Cereal Science</i> , Elsevier	2021	<b>9.80</b>
4.	Adhikari A., Adhikari S., Ghosh S., Azahar I., Shaw A. K., Roy D., <b>Roy Sankhajit</b> , Saha S., Hossain Z. “Imbalance of redox homeostasis and antioxidant defense status in maize under chromium (VI) stress”, 169	<i>Environmental and Experimental Botany</i> , Elsevier	2020	11.70
5.	Das S., Singha D., Saha S., Kumar M., Bhattacharyya A. and Roy Sankhajit “Validation of a Multiresidue Method for the Analysis of 86 Multiclass Pesticides in Litchi Fruit by Gas Chromatography–Tandem Mass Spectrometry”, 103, 1-9	<i>Journal of AOAC International</i>	<b>2019</b>	7.60

6	Adhikaria S. , Ghosh S , Azahar I , Adhikari A , Shaw A.K. , Konar S., <b>Roy Sankhajit</b> , Hossaina Z. (2018) "Sulfate improves cadmium tolerance by limiting cadmium accumulation, modulation of sulfur metabolism and antioxidant defense system in maize", <b>153</b> , 143-162	<i>Environmental and Experimental Botany, Elsevier</i>	<b>2018</b>	11.70
7.	Ghosh S., Singh K., shaw A. K., IkbalAzahar, Adhikari S., Ghosh U., Basu U., <b>Roy Sankhajit</b> , Saha S., Sherpa A. R. And Hossain Z. "Insights into the miRNA-mediated response of maize leaf to arsenate stress", <b>137</b> : 96–109	<i>Environmental and Experimental Botany,</i>	<b>2017</b>	<b>11.70</b>
8.	Ganguly P. Barik S. R., Patra S., <b>Roy Sankhajit</b> and Bhattacharyya A. "Persistence of Chlorfluazuron in cabbage under different agro-climatic conditions of India and its risk assessment"Vol. <b>36</b> (11), pp. 3028 – 3033	<i>Environmental Toxicology and Chemistry, Wiley</i>	<b>2017</b>	10.10
9.	Shaw A. K., Bhardwaj P. K., Ghosh S., <b>Roy Sankhajit</b> , Saha S., Sherpa A. R., Saha S. K. and Hossain Z. " $\beta$ – aminobutyric acid mediated drought stress alleviation in maize ( <i>Zea mays</i> L.)", <b>23</b> (3): 2437 – 53	<i>Environ Sci Pollut Res</i>	<b>2016</b>	11.80
10.	Tirthankar Banerjee, Devottam Banerjee, <b>Sankhajit Roy</b> , Hemanta Banerjee and Srikumar Pal"A Comparative Study on the Persistence of Imidacloprid and Beta-Cyfluthrin in Vegetables Vol. <b>89</b> (1), pp. 193-196	<i>Bulletin of Environmental Contamination and Toxicology, Springer</i>	2012	8.70

Date: 06.05.2024




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Signature with Date