

## CURRICULUM VITAE



1. **Name** : Subhra Mishra
2. **Designation** : Associate Professor
3. **Department** : Chemistry, Kharagpur College
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[subhra\\_apd@yahoo.com](mailto:subhra_apd@yahoo.com)
6. **Date of Joining** : 09.04.2019

### 7. Academic Qualification (Undergraduate Onwards)

	Degree	Year	Subject	University/Institution	% of Marks obtained
	B. Sc. (Hons)	1997	Chemistry	Vidyasagar University	66.12. (University Rank2)
	M. Sc	1999	Chemistry (Spl Paper-Organic)	Vidyasagar University	74.4
	Ph.D	2006	Structural Biology	Indian Institute of Technology, Kharagpur	N.A

8. **Ph.D thesis title, Guide's Name, Institute/Organization/University, Year of Award** Award: The undersigned received **silver medal** in his B.Sc from Vidyasagar University.

**Title of Thesis:** Expression, Purification and Structural characterization of RecX – a RecA regulatory protein.

**Guide:** Dr Amit Kumar Das, Professor, Department of Biotechnology, IIT, Kharagpur

**Institute:** Indian Institute of Technology, Kharagpur

**Year of Award:** 2006

### 9. Work experience (in chronological order).

Sl.No.	Positions held	Name of the Institute	From	To
	Lecturer in	Alipurduar	04.08.2003	03.08.07

	Chemistry	College		
	Senior Lecturer	Alipurduar College	04.08.2007	03.08.12
	Assistant Professor (Stage III)	Alipurduar College	04.08.2012	03.08.15
	Associate Professor	Alipurduar College	04.08.2015	08.04.19
	Associate Professor	Kharagpur College	09.04.2019	continuing

**10. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.**

Sl. No.	Name of Award	Awarding Agency	Year
01	Stood the Second position in B.Sc. Chemistry (Hons) Exam	Vidyasagar University	1997
1	GATE	IIT, Kharagpur	2000
2	NET- Lectureship	CSIR-UGC	2001
3	JRF	DBT, New Delhi	18.01.2001
4	SRF	CSIR, New Delhi	2003

**11. Publications:**

**International:**

Sl. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Mishra, S <i>et al</i>	Molecular modeling of RecX reveals its mode of interaction with RecA. ISSN: 0006-291X.	<i>Biochem. Biophys. Res. Commun</i> (BBRC) ELSEVIER	312 (3)	615-622	2003
2	Mishra, S <i>et al</i>	Biochemical intrusion–A threat on physical environment., ISSN: 0975-3486.	<i>International Referred Reseach Journal</i>	II (16)	65-67	2011
3	Mishra, S <i>et al</i>	In silico screening of RecA-	Journal of	5(2)	72-77	2014

		RecX docked complexes and their interfacial site determination. ISSN: 0976-2604. Online ISSN 2278-6007.	Advanced Bioinformatics Applications and Research			
4	Mishra, S <i>et al</i>	Biochemical characterization of RecX and its mode of interaction with RecA in E. Coli. ISSN 2349-9419	Integrated Journal of British	2(1)	8-12	2015
5	Vikas Kumar Dakua, Anupam Datta, Debadrita Roy, Debabrata Biswas, Biswajit Ghosh, Kanak Roy, Satadal Paul, Purak Das, <b>Subhra Mishra</b> , Biswajit Sinha, Mousumi Das, Sanjoy Barman, Mahendra Nath Roy	Synthesis, crystal structure, Hirshfeld surface, and DFT studies of a Copper (II) complex of 5,5'-dimethyl-2,2'-bipyridine and 1,2,2-trimethyl cyclopentane-1,3-dicarboxylic acid	Results in Chemistry, ELSEVIER	6	1-8	2023

### National

1	Mishra, S <i>et al</i>	Educational awareness among Tribes residing in rural areas of Paschim Medinipur.	Sikshachintan	5	151-163	2011
2	Mishra, S., Roy, P. B	Physico-chemical properties of soil at Majherdabari area of Jalpaiguri district, West bengal. ISSN: 0973-5461	Review Of Research	1(5)	1-4	2012
3	Mishra S	Characterization of Protein Interfaces to Infer Protein-Protein Interaction. ISSN: 2249-894X.	Research Journal of Chemical Sciences	2(7),	36-40	2012
4	Mishra S	Comparative studies of physico chemical properties of soil in the tea and non tea belt area of Alipurduar district, West Bengal.. ISSN: 2348-5361	Research Journal Of Pure Science,	1(2),	65-70	2014
5	Mishra S	Seasonal Variation of Physico-chemical Properties of water bodies in Totopara, West	Indian Journal of Ecology	44 (Sp.Is sue	574-577	2017

		Bengal, India. ISSN: 0304-5250.		5),		
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**Paper in the proceedings:**

- Docking: A proteomic tool to identify Protein-protein interaction. Vol 1, 63-71. ISBN: 978-93-82623-51-9.
- Study of Physico-chemical properties of water bodies in Totopara, West Bengal. Environment, Ecology and Humans: Challenges and Contestations. 116-123. ISBN: 978-93-82549-55-0
- Chemical genomics: A method for profiling environmental chemical modulation on human health. Environmentalism, Globalism and Marality, 1-8, ISBN: 978-81-931419-4-6.

**12. Seminar Attended & Presented:**

- **Abstracted in “The First Indian Symposium of the Protein Society-Protein Structure & Function”** held at IIT, Bombay on 18-20 October 2002.
- P2-20: Expression, Purification and Structural characterization of RecX – a RecA regulatory protein. Proceedings page no. 101.

Subhra Mishra and Amit Kumar Das

- P2-2: Expression, Purification and modeling of SlpA – a peptide prolyl cis-trans isomerase. Proceedings page no. 83.  
Subhra Mishra, Amit Luthra and Amit Kumar Das
- ACBIR-2014; Organised by Department of Chemistry, NIT, Rourkela, Odisha. Title: Theoretical modeling & high-throughput tool in Protein chemistry
- International Conference on Molecular Biology and its application; Organised by Department of Life science & Biotechnology, Jadavpur University. Title Biophysical Characterization of RecX-a RecA regulatory Protein.
- National seminar on Frontiers in Chemistry-2014; Department of Chemistry, NBU. Title: Structural analysis of the DNA repair and recombinant protein.
- MTSBS-2015; Alipurduar College; Docking-A proteomic tool to identify protein-protein interaction.
- National seminar on Need and prospect of environmental education-2016: Department of Geography, Alipurduar College; Study of Physico-chemical properties of water bodies in Totopara, West Bengal.
- International seminar on The History of Science and Technology-A Journey from metal age to E-age. Department of Chemistry and IQAC, Alipurduar College in collaboration with Science and Technology, Royal University of Bhutan, Rinchending, Bhutan dt 12.03.2019

**13. Project PI and Co-PI:**

- An UGC-sanctioned research project vides sanction no. PSW-091/10-11 has been completed under the supervision of the undersigned.

- Minor research project sanction no. PSW-110/14-15 (ERO) has also been completed entitled ‘Environmental perturbation with regard to the water quality of tributaries and its impact on human beings at Totopara, in the Jalpaiguri district of West Bengal under the supervision of the undersigned.

**14. Workshop/Seminar/Webinar organised:**

- Organised one-day international seminar entitled “The History of Science and Technology-A Journey from metal age to E-age” at Alipurduar College in collaboration with Science and Technology, Royal University of Bhutan, Rinchending, Bhutan dt 12.03.2019.
- Organised one-day webinar entitled “Body's fight against harmful invaders: How we fight Coronavirus and for how long?” in Collaboration with INSA, Kolkata Chapter dt 09.06.2021 at Kharagpur College
- Organised one-day webinar entitled “Concepts, Innovations and Methods when Chemistry meets Biology” in Collaboration with NASI, Kolkata Chapter dt 17.07.2020 at Kharagpur College

**15. Invited Lecture:**

- Surya Sen Mahavidyalaya, Siliguri (09.12.16)

**16. Book/Chapter Published:**

Sl.No	Author(S)	Title	Publisher	ISBN No.	Date of Publication
1	Subhra Mishra	Theoretical modeling & high-throughput docking.	Scholars' Press	ISBN10: 3639701917; ISBN-13: 978-3639701913	2013
2	Subhra Mishra	Tribarshik Jaibo Rasayan.	Santra Publication	978-93-86911-01-8	August,2017
3.	Subhra Mishra, Gopal Ch Giri, Jnanojjal Chanda, Sadhan kr Roy	Snatak Rasayan (Semester-I)	Santra Publication	978-93-86911-22-3	July,2018
4.	Subhra Mishra, Gopal Ch Giri, Jnanojjal Chanda, Sadhan kr Roy	Snatak Rasayan (Semester-II)	Santra Publication	978-93-86911-47-6	January, 2019
5	Subhra Mishra, Gopal Ch Giri, Jnanojjal Chanda, Sadhan kr Roy	Snatak Rasayan (Semester-III)	Santra Publication	978-93-86911-65-0	July, 2019
6	Subhra Mishra, Gopal Ch Giri, Jnanojjal Chanda, Sadhan kr Roy	Snatak Rasayan (Semester-IV)	Santra Publication	978-93-86911-82-7	January,2020

7	<b>Subhra Mishra,</b> Gopal Ch, Giri	Snatak Rasayan, DSE, Volume 1	Santra Publication	978-81- 948683-3-0	July, 2021
8	<b>Subhra Mishra,</b> Gopal Ch, Giri	Snatak Rasayan, DSE, Volume 2	Santra Publication	978-93- 92426-06-3	November,2021
9	Srijit Das, <b>Subhra Mishra</b>	Organometallic and Reagent Chemistry	TECHNO WORLD	978-81- 949567-9-2	January, 2022
10	<b>Subhra Mishra,</b> Gopal Ch, Giri	Snatak Rasayan, SEC, Volume 1	Santra Publication	978-93- 92426-37-7	May,2022
11	<b>Subhra Mishra,</b> Gopal Ch, Giri	Snatak Rasayan, SEC, Volume 2	Santra Publication	978-93- 92426-18-6	April, 2023

### 17. Administrative Position:

- Acts as an Academic Counsellor at IGNOU study centre since January, 2016 at Alipurduar Vivekananda College center till 2019
- Purchase committee member from 2013 at Alipurduar college till 08.04.2019
- IQAC member at Alipurduar College from 2014 till 08.04.2019
- IQAC member at Kharagpur College from 2020 till the date
- AISHE Nodal Officer for the session 2023-24 at Kharagpur College
- Member of the Cultural Sub-committee, Picnic subcommittee etc at Kharagpur College

### 18. Extra Activities

- **Books edited: 01**

Title of the Book: Modern Trends in Social and Basic Science

- One of the Editorial board members of Indian Journal of Ecology.
- A senior member of the Asia Pacific Chemical, Biological & Environmental Engineering Society.

### Declaration:

I hereby declare that the above information is true to the best of my knowledge and belief

**Date: 02.11.2023**

**Subhra Mishra**