



Government Autonomous College, Rourkela

Faculty Profile

Name	DR. SMRUTI SNIGDHA MISHRA			
Designation	Assistant Professor (OES I)			
Department	Chemistry			
Address (Office)	Department of Chemistry, Government Autonomous College, Rourkela			
Address (Residence)	Plot no 970/1549, Jagannath Colony, Besides Transformer, Panposh Basti, Rourkela 769004			
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Qualifications				
Degree	Institution	Year	Subject Details	
Integrated B.Sc. B.Ed.	Regional Institute of Education, BBSR	2009	PCM and Education	
M.Sc.	National Institute of Technology, Rourkela	2011	Chemistry	
PhD	National Institute of Technology, Rourkela	2019	Biophysical Chemistry	
Areas of Interest/ Specialization				
Physical Chemistry, Environmental Chemistry and Inorganic Chemistry				
Teaching/Research Experience				
Organization/Institution	Designation	Duration	Role	
G M University	Assistant Professor (OES I)	Jan 2018- Nov 2020	1. HOD of Chemistry Department	
			2. HOD (I/C) of Anthropology Department	
			3. Deputy Superintendent of Ladies Hostel III	
			4. Asst. Cultural Coordinator of GM university.	
Government Autonomous College, Rourkela	Assistant Professor (OES I)	Nov 2020 onwards	1. Coordinator YRC.	
			2. HOD (I/C) of Anthropology Department	
			3. Member of Academic council of college	
			4. Coordinator, Khushi scheme	
			5. Member of Students Union and Self Defense and Women Harassment cell.	

Course Taught
Gaseous state, liquid state, polymer chemistry, Quantum chemistry, Electrochemistry, chemical kinetics, chemical Equilibrium, Thermodynamics at both UG and PG level.
Research Papers:
1. Sudhir Kumar Das, Smruti Snigdha Mishra, Prabhat Kumar Sahu, A Nijamudheen, Vaisakh Mohan,
Moloy Sarkar (2012) Photophysical and density functional studies on the interaction of a new
nitrobenzoxadiazole derivative with anions. Chemical Physical Letters, 546, 90-95.
2. Smruti Snigdha Mishra and Ushrani Subuddhi (2014) Spectroscopic investigation of interaction of Nile
Blue A, a potent photosensitizer, with bile salts in aqueous medium. Journal of Photochemistry and
Photobiology B: Biology 2014, 141, 67–75.
3. Smruti Snigdha Mishra, Subhrajit Mohanty, J Mishra and Usharani Subuddhi (2019) Photophysical
properties of Coumarin1 in bile salt aggregates: An insight into the role of bile salt structure on the
aggregation behavior. Langmuir, 35, 16555-16567.
(National /International) Seminar/Symposium/Webinar/Workshop/FDP/Orientation/ Refresher/Conference etc. organized in capacity of Convener/ Co-convener [In Detail]
1. National Seminar “Recent trends in Material Science” at GM university 18 th and 19 th March 2019 as Co convenor.
2. Science Academic Lecture Workshop on “Frontiers in Material Science “at GM University held on 9 th and 10 th Oct 2020 as Co convenor. (Webinar).
3. Webinar on “Gender Sensitization “at GM University held on Oct 20 2020 as Co convenor.
4. National Seminar on “Recent Advances in Chemistry for Sustainable Development” at GACR held on 14 th March 2022 as Co- convenor. (Webinar)
5. National Seminar on “Self Doubt in Women: Hinderance to Empowerment” at GACR held on 16 th March 2022 as Convenor. (Webinar)
6. National Seminar on “ Supramolecular and bio inorganic chemistry “ at GACR held on (Webinar)

Paper Presented in Seminar/Symposium/Webinar/Workshop/FDP/Orientation/ Refresher/Conference etc. [In Detail]
1) Smruti Snigdha Mishra & U. Subuddhi, Investigation of Denaturation of Serum Albumins using Coumarin-1 Fluorescence. Silver Jubilee Annual Conference of Orissa Chemical Society & National Conference on "Molecule", December 24- 26, 2011, Sambalpur University, Orissa.
2) Smruti Snigdha Mishra & U. Subuddhi. Interaction of Cationic Dye „Nile Blue A“ With Bile Salts (TSRP-12), January 4-7, 2012, BARC, Mumbai.
3) Smruti Snigdha Mishra & U. Subuddhi. Sodium Deoxycholate Induced Alterations in Serum Albumins. National Fluorescence Workshop (FCS 2013), November 24-28, 2013, Indian Institute of Science, Bangalore.
4) Smruti Snigdha Mishra & U. Subuddhi. Photophysical Behaviour of Coumarin 1 in Bile Salt Micellar Environment. (TSRP-14), January 6-9, 2014, BARC, Mumbai.
5) Smruti Snigdha Mishra & U. Subuddhi Photophysical Behaviour of Coumarin1 in Conjugated and Unconjugated Bile Salt Micellar Environment. (ACBIR 2014), January 10-11, 2014, NIT, Rourkela.
6) Smruti Snigdha Mishra & U. Subuddhi. Spectroscopic Investigation of Structural Alterations in Serum Albumins by Sodium Deoxycholate. Current Trends in Surface Science & Technology (CTSST-2014) 28th Feb 2014, Sambalpur University, Sambalpur.
7) Smruti Snigdha Mishra & U. Subuddhi. Spectrofluorimetric Investigation of Interaction of Coumarin1 with Bovine Serum Albumin. Recent Developments in Chemical Science & Technology: Young Scientists Meet (RDCST – 2014), March 15-16, 2014, NIT Rourkela.
Seminar/Symposium/Webinar/Workshop/FDP/Orientation/ Refresher/Conference etc Attended [In Detail]
1) Orientation course on Chemistry at Utkal University from 20 th Jan 2018 of 15 days duration.
2) FDP on " Analytical Chemistry " and " Co-ordination Chemistry (Chemistry of Transition Elements) from NPTEL- AICTE during 14 Sep- 04Dec 2020 of 12 weeks each.
3) Annual Refresher Programme in Teaching (ARPIT) on Chemistry from Dec 01 2020 to March 2021 of 16 weeks.
Other Details (Academic/Research Related)
1. Two months summer project during my MSc 1 st year at NISER Bhubaneswar under the guidance of Dr Moly Sarkar.
2. One year Project work during MSC 2 nd year at NIT Rourkela under the guidance of Dr Usharani Subuddhi.
3. Guided 5 MPhil Students at GM University.
Honors and Awards if any
1) Board topper in Oriya in Class Xth (CBSE) with 94 % and recipient of Agni Charan Award.
2) Attended NIC camp and passed NCC A certificate exam in School.