

Name: Dr. Amitava Sharma

Designation: Assistant Professor

Branch: Chemistry

Educational Qualification(s):



Qualification(s)	University
B.Sc in Chemistry	Ramakrishna Mission Vivekananda College (Autonomous, affiliated to the Tripura University)
M.Sc in Chemistry	Tripura University (A Central University)
PhD	Tripura University (A Central University)

Experience in years:

Academic: **04 years 1 month**

Details:

Sl. No.	Organization	Position Held	Duration	
			From	To
1.	NIT Agartala	Teaching Assistant	13.01.2015	02.10.2015
2.	ICFAI University	Guest Faculty	26.08.2018	02.04.2019
3.	ICFAI University	Assistant Professor	03.04.2019	Till date

Other Information:

a) Publication details.

Research Interests: ab-initio computational study of potential energy surfaces of ground and ionized states of molecules applying EIP-VUMRCC method with and without full connected excitation CC-operators.

h-index: 2 ; i10-index: 0

No. of M.Sc Project students supervised: 3 (completed); 5 (ongoing)

List of publication:

- (1) Exploring the spectroscopic constants of $^2\Pi_u$, $^2\Sigma_u^+$ (main and satellite) and $^2\Pi_g$ states of N_2^+ ion using the Fock-space coupled-cluster with the eigenvalue independent partitioning.

Amitava Sharma, Sudip Chattopadhyay, Dhiman Sinha, Molecular Physics ISSN: 0026-8976 (Print) MOLECULAR PHYSICS 1362-3028

- (2) Spectroscopic constants relating to ionization from the strongest bonding and inner valence molecular orbital $2\sigma_g$ of N_2 : An EIP-VUMRCC search.

Amitava Sharma, Sudip Chattopadhyay, Kalipada Adhikari, Dhiman Sinha, Chemical Physics Letters 634, 88-94

- (3) Search of truncation of $(N-1)$ electron basis containing full connected triple excitations in computing main and satellite ionization potentials via Fock-space coupled cluster approach.

Kalipada Adhikari, Sudip Chattopadhyay, Barin Kumar De, **Amitava Sharma**, Ranendu Kumar Nath, Dhiman Sinha, Journal of computational chemistry, 34, 1291-1310

(b) Details of Seminar/Workshop/Conference.

- (1) Poster presented in **Recent Advances in Correlation Problems**, held on 20-23

Dec,2013, organised by Indian Association for the Cultivation of Science.

- (2) Poster presented in **Theoretical Chemistry Symposium** 2012, held on 19-22

December, 2012, organised by Indian Institute of Technology, Guwahati, India.

- (3) Poster presented in **National Seminar on Green Chemistry and Nano Science:**

Theory and Application, held on 20-21st July, 2012, organized by Department of Chemistry, MBB college, Agartala, Tripura(w), 799004, in collaboration with Department of Chemistry, NIT Agartala, Tripura (w) 799055.

(4) Poster presented in **Recent Trends in Environmental Research and Management**, held on 8-9 September, 2012, organised by Netaji Subhash Mahavidyalaya, Udaipur, Tripura

(5) Oral presented given in fifteenth **National Seminar on Surfactants, Emulsion and Biocolloids-2011**, held on 2011, organised by Department of Chemistry, Tripura University and Indian Society of Surface Science and Technology (ISSST) Kolkata-700032, India

(c). Professional membership of reputed bodies if any. None