Dr. Aparna Sarkar

Designation*	Assistant Professor
Name Of The Department*	Chemistry
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Educational Qualification*	Ph. D. in chemistry
Specialization*	Organic Chemistry
Total Teaching Experience (In Years) *	12 years
Courses Taught*	UG Chemistry General
Research Experience (In Years) *	5 years
Participation In Conferences, Symposias And Workshops*	1. 'Model studies towards the synthesis of Isotanshinone-II: General method for synthesis of some angularly fused novel "U" Shaped furoquinones simulating ABCD rings of Isotanshinone-II.' Aparna Sarkar, Rumpa Das, Khokan Samanta, Gandhi K. Kar; Proceedings of the National Symposium on Recent Advances in Chemistry and Industry 2015, Indian Chemical Society, Calcutta University, Kolkata. 2. 'An approach towards the synthesis of phenanthro[4,3-b]thiophen-4,5-dione derivatives as thiophen analogue of core nucleus of Isotanshinone-II isolated from Salvia species' Aparna Sarkar, Gandhi K. Kar; oral presentation in "National Symposium on contribution of Women in Science in India (NSCWSI 2018)", organized by Indian Science News Association (ISNA) at Calcutta University, Feb. 15-16, 2018 3. Search for novel antibacterial: Synthesis of doubly condensed naphthoquinone derivatives as "AD"-ring modified Isotanshinone-II analogue' Aparna Sarkar, Ankita Dey, Gandhi K. Kar. poster presentation in International Conference on Advancement in Science and Technology (ICAST-2018), 3-4th September, 2018 at Visva-Bharati University, Santiniketan,West Bengal, India organized by the Indian JSPS Alumni Association in association with the Department of Physics, Visva-Bharati. 4. 'Nuclear modification of "A-ring" of the core nucleus of Isotanshinone-II in search for novel antibacterials: Synthesis of doubly condensed naphthoquinone derivative 9-methyl-naphtho[1,2-b]thieno[7,8-]furan 4,5-dione & it's analog as bioisoster' Aparna Sarkar,

	Debjani Maiti, Gandhi K. Kar; poster presentation in Proceedings of the International Conference on Chemistry for Human Development (ICCHD 2018), 2018 (Jan. 8-10, 2018), Organized by Calcutta University and Heritage Institute of Technology, Kolkata,W. B. India.
Refresher & Orientation Courses Attended*	One Orientation, one special summer school, one Refresher course
Publication*	1. N-Aryl Modification In gama-Lactam: Design And Synthesis Of Novel Monocyclic gama-Lactam Derivatives As Inhibitor For Bacterial Propagation; Prasanta Patra, Gandhi K. Kar, Aparna Sarkar, Jayanta K. Ray, Tista Dasgupta, Mahua Ghosh, Sugata Bhattacharya; Synthetic Communications, 42: 3031–3041, 2012. 2. 'A Suzuki-Coupling-Based Generalized Route for the Synthesis of 2-(2/3-thienyl)-cycloalk-1-ene-1-carbaldehydes as Precursors for Condensed Thienophenanthraquinones' Aparna Sarkar, Rumpa Das, Gandhi K. Kar; Synlett 2018, 29, 344-348. 3. Thiophene Analogue of Isotanshinone-II Nucleus: A Novel Approach towards the Synthesis o of Phenanthro[4,3-b]thiophene-4,5-dione and Phenanthro[3,4-b]thiophene-4,5-dione Derivatives' Aparna Sarkar, Rumpa Das, and Gandhi K. Kar; ChemistrySelect 2018, 3, 11422-11426. 4. "Tunable Luminescence of a synthesised furophenanthraquinone derivative:Interactions with different solvents" - Aparna Sarkar, Dinesh Kumar Pyne, Tuyan Biswas, Rumpa Das, Gandhi K. Kar*, Arnab Halder*, Luminescence, 2020;1-12 5. Identification of two novel thiophene analogues as inducers of autophagy mediated cell death in breast cancer cells: Chandrima Gain, Aparna Sarkar, Shrea Bural, Moumita Rakshit, Jeet Banerjee, Ankita Dey, Nabendu Biswas, Gandhi K. Kar, Abhik Saha; Bioorg. Med. Chem. 37 (2021) 116112. 6. An Expedite Synthesis of Some Angularly Fused Novel 'U'-Shaped Tetracyclic Furophenanthraquinones Simulating ABCD Rings of Isotanshinone-II Khokan Samanta, Aparna Sarkar, Achintya K. Sarkar and Gandhi K. Kar; ChemistrySelect 2021, 6, 6006 –6010