


<b>Name in capital:</b>	DR MD ASIF AMIN	
<b>Designations and Department</b>	ASSISTANT PROFESSOR AND HEAD, DEPARTMENT OF CHEMISTRY	
<b>Qualification:</b>	<b>BSC (2012) &amp; MSC (2014) VISVA BHARATI UNIVERSITY</b> PHD (2018) INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE (JADAVPUR UNIVERSITY)	
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**About:** I have joined Balurghat Mahila Mahavidyalaya in June, 2017 as a full time Assisant Professor and head Department of Chemistry. In continuation of my service I have been awarded PhD from Indian Association for the Cultivation of Science (Jadavpur University) in September, 2018.

**Teaching:** Specialization in Physical Chemistry. In undergraduate level teaches Organic, Inorganic and Physical Chemistry in both annual system and CBCS system.

#### **Publications and Projects:**

1. “Probing Deviation of Adhered Membrane Dynamics between Reconstituted Liposome and Cellular System” P. Mondal, R. Chowdhury, S. Nandi, **Md. Asif Amin**, S. Ghosh, K. Bhattacharyya *Chemistry–An Asian Journal*, 2019 (DOI: 10.1002/asia.201900588).
2. “Physical Chemistry in a Single Live Cell: Confocal Microscopy.” Md. Asif Amin, Somen Nandi, Prasenjit Mondal, Tanushree Mahata, Surajit Ghosh and Kankan Bhattacharyya. *Phys. Chem. Chem. Phys.*, 2017,19, 12620-12627
3. “Size and Structure of Cytochrome C bound to Gold nano-clusters: Effect of Ethanol.” Catherine Ghosh, **Md. Asif Amin**, Biman Jana and Kankan Bhattacharyya. *Journal of Chemical Sciences* 2017, 189,841.

4. "Effect of Alcohol on the Structure of Cytochrome C: FCS and Molecular Dynamics Simulations." **Md. Asif Amin**, Ritaban Halder, Catherine Ghosh, Biman Jana, Kankan Bhattacharyya. *J. Chem. Phys.* 145, 235102 (2016).
5. "Cytochrome c-Capped Fluorescent Gold Nanoclusters: Imaging of Live Cells and Delivery of Cytochrome c." Shyamtanu Chattoraj, **Md. Asif Amin**, and Kankan Bhattacharyya. *ChemPhysChem* 2016, 17, 2088-2095.
6. "Selective Killing of Breast Cancer Cells by Doxorubicin-Loaded Fluorescent Gold Nanoclusters: Confocal Microscopy and FRET" Shyamtanu Chattoraj, **Md. Asif Amin**, Batakrishna Jana, Saswat Mohapatra, Surajit Ghosh and Kankan Bhattacharyya *ChemPhysChem* 2016, 17, 253–259.
7. "Cancer Cell Imaging Using in Situ Generated Gold Nanoclusters" Shyamtanu Chattoraj, **Md. Asif Amin**, Saswat Mohapatra, Surajit Ghosh, and Kankan Bhattacharyya *ChemPhysChem* 2016, 17, 61–68.
8. "Intermittent Fluorescence Oscillations in Lipid Droplets in a Live Normal and Lung Cancer Cell: Time-Resolved Confocal Microscopy." Rajdeep Chowdhury, **Md. Asif Amin** and Kankan Bhattacharyya. *J. Phys. Chem. B* 2015, 119, 1086810875.
9. "Aromatic bi-, tri- and tetracarboxylic acid doped polyaniline nanotubes: effect on morphologies and electrical transport properties" Utpal Rana, Sanjoy Mondal, Jhuma Sannigrahi, Pradip Kumar Sukul, **Md. Asif Amin**, Subham Majumdar and Sudip Malik *J. Mater. Chem. C*, 2014, 2, 3382-3389

**Research Interest:** Single Molecule Spectroscopy, Transient Absorption Spectroscopy, Computational Chemistry, Polymer Chemistry