Department of Chemistry
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Dr. Parbhej Ahamed
Professor
Research Area Li-ion Battery, Hydrogel, Biodegradable Polymer, Single molecule force spectroscopy of polymer molecules, Asymmetric synthesis, Chiral catalyst, ZnO nanoparticles, Surfactants

Biography

I am serving as an associate professor in the department of chemistry at Khulna University of Engineering & Technology (KUET). Before joining in this department I have completed my bachelor of science degree in the department of chemistry from the University of Dhaka in 2006. Then I completed my MS degree in physical chemistry section from the same university in 2007. Then I moved to Toyohashi University of Technolopgy, Japan in 2009. There I completed two years master of engineering degree from the department of material science and engineering in 2011. After that I joined as a lecturer in the department of chemistry of Khulna University of Engineering and Technology in 2012. I did my PhD in 2020 on the design of rechargeable batteries electrode materials. My teaching and research interest include lithium ion battery electrode materials both anode and cathode synthesized by gel pore, chiral polymer catalyst and their application, nanoparticles synthesis using reverse micelle core.

Education

Master of Engineering
Toyohashi University of Technology,Japan(2009-2011)
Thesis Title: **Ether or thioether linked cinchona alkaloid derived main-chain chiral polymers and their application for the asymmetric synthesis of Î±-amino acids**
Master of Science
University of Dhaka,Bangladesh(2008-2009)
Thesis Title: **Effect of surfactants on the growth kinetics of ZnO nanoparticles in reverse micelle systems**
Bachelor of Science (Honours)
University of Dhaka,Bangladesh(2003-2008)

Research Interest

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