NITER



Md. Ashiqur Rahman

Applied Chemistry
and Chemical
Engineering

Bio

An Applied Chemistry and Chemical Engineering Graduate aiming to pursue a career in academia as a teacher at a reputed university in Bangladesh and to build an excellent academic and research career in biomaterials and environmental sustainability.

Education

Degree Name	Group/Major Subject	Board/Institute	Country	Passing Year
M.Sc	Applied Chemistry and Chemical Engineering,	University of Dhaka	Bangladesh	2018
B.Sc	Applied Chemistry and Chemical Engineering,	University of Dhaka	Bangladesh	2016
H.Sc.	Science	Dhaka City College	Bangladesh	2012
S.Sc.	Science	Sheikh Mujibur Rahman High School	Bangladesh	2010

Experience

Job Title	Organization	Location	From Date	To Date
Lecturer	National Institute of Textile Engineering and Research	Nayerhat, Savar, Dhaka-1350	02 January 2019	10 May, 2023
Asst. Prof.	National Institute of Textile Engineering and Research	Nayerhat, Savar, Dhaka-1350	10 May, 2023	Ongoing

Research Activities

Research Interest

Subject	Description	Research Interest (Goal/ Target Indicatior)
Biomaterials	Synthesis and their application	

Project/Research Supervision

Level of Study	Title	Supervisor	Co-Supervisor(s)	Name of Student(s)	Area of Research	Current Completion
Undergraduate	Dye synthesis and its application	Md. Ashiqur Rahman	Burhan Uddin Banna	Abida Sultana, MARUFA, SULTANA SATHI, Md.Nawaz Sharif, Md. Anwar Hossen, SHEIKH MUAJ	Soft material , Membrane technology or Material synthesis	Ongoing

Publications

Journal Article

SL. No-	Article Name	Link
01	Progress in Surface-Modified Silicas for Cr(VI) Adsorption: A Review. *J.Hazard.Mater*.**2022**,*423*,127041.https://doi.org/10.1016/j.jhazmat.2021.127041.	https://www.sciencedirect.com/science/article/abs/pii/S0304389421020094
02	Preparation of Poly (Acrylic Acid) Exfoliated Clay Composite by in-Situ Polymerisation for Decolouration of Methylene Blue from Wastewater. *Int. J. Environ. Anal. Chem.* **2022**, *102* (18), 6538–6554. https://doi.org/10.1080/03067319.2020.1813732.	https://www.tandfonline.com/doi/abs/10.1080/03067319.2020.1813732?journalCode=geac20
03	Occurrence, Distribution, and Structure of Natural Polysaccharides. *Radiation-Processed Polysaccharides* **2022**, 1–27. https://doi.org/10.1016/B978-0-323-85672-0.00005-2.	https://www.sciencedirect.com/science/article/pii/B9780323856720000052
04	Biological Macromolecules as Antimicrobial Agents. *Biol. Macromol.* **2022**. https://doi.org/10.1016/B978-0-323-85759-8.00007-5.	https://www.sciencedirect.com/science/article/pii/B9780323857598000075
05	Polymer Matrixes Used in Wound Healing Applications. *Nanoscale Eng. Biomater. Prop. Appl.* **2022**, 279–317. https://doi.org/10.1007/978-981-16-3667-7_11.	https://link.springer.com/chapter/10.1007/978-981-16-3667-7_11
06	Organic–Inorganic Polymer Hybrids for Water and Wastewater Treatment. *Inorganic-Organic Compos. Water Wastewater Treat.* **2022**, 29–54. https://doi.org/10.1007/978-981-16-5916-4_2.	https://link.springer.com/chapter/10.1007/978-981-16-5916-4_2
07	Calcium Ion Mediated Rapid Wound Healing by Nano-ZnO Doped Calcium Phosphate-Chitosan-Alginate Biocomposites. *Materialia* **2020**, *13*. https://doi.org/10.1016/j.mtla.2020.100839.	https://www.sciencedirect.com/science/article/abs/pii/S2589152920302556

Award

Award Type	Title	Year	Country	Description
Gold Medal	Aminul Haque -Atia Haque Gold medal	2016	Bnagladesh	
Gold medal	Dean’s Award	2016	Bangladesh	

Contact

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Contact: 01743746217

Institute – Faculty
Name of the Department: Electrical & Electronic Engineering
Position: Assistant Professor