

Curriculum Vitae

(as of October 2024)



MD. AKIB HASAN

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Homepage



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Educational Qualifications

Name of the Degree	Year of Exam	Result	Institute
MS (Thesis) in Physical Chemistry	2022 (Exam of 2020)	GPA-3.98	Department of Chemistry, University of Dhaka, Bangladesh
BS in Chemistry	2019	CGPA-3.63	Department of Chemistry, University of Dhaka, Bangladesh
HSC in Science	2015	GPA-5	Siddhirganj Raboti Mohan Pilot School and College, Narayanganj, Dhaka, Bangladesh
SSC in Science	2013	GPA-5	Siddhirganj Raboti Mohan Pilot School and College, Narayanganj, Dhaka, Bangladesh

Professional Experiences

Position	Institute	Duration
Lecturer	Department of Chemistry, University of Dhaka, Bangladesh	Dec 2023 – To Present
Scientific Officer (SO)	Bangladesh Council of Scientific and Industrial Research (BCSIR)	Aug 2023 – Dec 2023
Research Fellow (RF)	Bangladesh Council of Scientific and Industrial Research (BCSIR)	Mar 2023 – Aug 2023

Conferences

[1] Poster Presentation: Abstract published Online

Md. Akib Hasan and Dr. Md. Mominul Islam (2021). “*Supercapacitive Behaviour of Chemically Prepared Manganese Dioxide/Aluminum Counter Cation-Based Monophosphate Tungsten Bronze Composites*” SPAST Abstracts, 1(01). First International Conference on Technologies for Smart Green Connected Societies (ICTSGS-1).

<https://spast.org/techrep/article/view/1524>

I secured the “ACS Best Oral and Poster Presentation” for this.

[2] Oral Presentation: Abstract published

Md. Akib Hasan, Md. Abu Bin Hasan Susan and Md. Mominul Islam. “*Novel Materials Based on Nitrogen Doped Lemon-Derived Carbon Quantum Dots and Polyoxometalate Archetypes for*

High Performance Supercapacitor" 1st International Conference on Frontier in Sciences (ICFS), Bangladesh University of Engineering and Technology (BUET), 11-12 November, 2022.

[3] Oral Presentation: Abstract published

Md. Akib Hasan, Md. Abu Bin Hasan Susan and Md. Mominul Islam. "*Polyoxometalate/Nitrogen-Doped Carbon Quantum Dot Composites for Supercapacitor Application*" 7th Conference of Bangladesh Crystallographic Association, 8-9 December, 2022.

[4] Poster Presentation

Md. Akib Hasan, Md. Abu Bin Hasan Susan and Md. Mominul Islam. "*High Performance Supercapacitor Electrodes Fabricated with Lemon-derived Carbon Quantum Dots and Polyoxometalate Archetypes*" Semiconductor Technology Research Centre (STRC), Research and Publication Fair 2022 Oct 22-23, University of Dhaka.

Our group secured the 2nd place in the fair with three posters including mine.

Published Papers

- [1] Hasan, AM Mahmudul, Md Akib Hasan, Atek Reza, Md Mominul Islam, and Md Abu Bin Hasan Susan. "*Carbon dots as nano-modules for energy conversion and storage.*" *Materials Today Communications* 29 (2021): 102732. IF: 3.7
- [2] Hasan, Md Akib, Md Mahinur Islam, Md Abu Bin Hasan Susan, and Md Mominul Islam. "*Supercapacitive behaviour of manganese dioxide/tungsten bronze composites.*" *ECS Transactions* 107, no. 1 (2022): 12435. IF: 0.7
- [3] Hasan, Md Akib, Mohammad Anikur Rahman, and Md Mominul Islam. "*Non-activated Carbon for Supercapacitor Electrodes.*" *Biomass-Based Supercapacitors: Design, Fabrication and Sustainability* (2023): 105-120.
- [4] Akib Hasan, Md, Ahammad Musa, Mohy Menul Islam, and Md Mominul Islam. "*Polyoxometalate Archetypes as Supercapacitor Materials.*" In *Metal Phosphates and Phosphonates: Fundamental to Advanced Emerging Applications*, pp. 267-281. Cham: Springer International Publishing, 2023.
- [5] Akib Hasan, Md, Suhrid Sayantha Aniv, and Md Mominul Islam. "*Carbon Nanosheets Based Supercapacitor Materials: Recent Advances and Prospects.*" *The Chemical Record* 24, no. 1 (2024): e202300153. IF: 7.0
- [6] Hasan, Md Akib, and Md Mominul Islam. "*Nitrogen-doped carbon quantum dots embedded polyoxomolybdate frameworks toward high-performance supercapacitor.*" *Journal of Energy Storage* 98 (2024): 113015. IF: 8.9

References

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