

Curriculum Vitae

Name : Fariha Chowdhury
Present Status : Scientific Officer
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Sex : Female
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Field of Specialization: Applied chemistry

Job profile : Scientific Officer : March 25, 2021- Present

Academic Background:

Degree	Field of background	University
B.Sc.	Applied Chemistry and Chemical Engineering	University of Dhaka
M.Sc.	Applied Chemistry and Chemical Engineering	University of Dhaka
PhD	-	-

List of Activities:

(i)Publications : 09

- Hossain, Q.S., Nishat, S.S., Sultana, M., Mahi, T.A., Ahmed, S., Khan, M.N.I., Das, H.N., Bashar, M.S., Akhtar, U.S., Jahan, S. and Chowdhury, F., 2023. A combined first principles and experimental approach to Bi 2 WO 6. *RSC advances*, 13(51), pp.36130-36143.
- Mobarak, M.B., Islam, M.N., Chowdhury, F., Uddin, M.N., Hossain, M.S., Mahmud, M., Akhtar, U.S., Tanvir, N.I., Rahman, A.M. and Ahmed, S., 2023. Calcined chicken eggshell-derived biomimetic nano-hydroxyapatite as a local drug-delivery aid for doxycycline hyclate: characterization, bio-activity, cytotoxicity, antibacterial activity and in vitro release study. *RSC advances*, 13(51), pp.36209-36222.
- Mobarak, M.B., Uddin, M.N., Chowdhury, F., Hossain, M.S., Mahmud, M., Sarkar, S., Tanvir, N.I. and Ahmed, S., 2024. Solid-state synthesis of poultry waste derived hydroxyapatite: Effect of calcination temperature on crystallographic parameters and biomedical competency. *Journal of Molecular Structure*, 1301, p.137321.
- Shahinuzzaman, M., Akter, T., Abdur, R., Uddin, J., Chowdhury, F., Gafur, M.A., Aziz, S., Shaikh, M.A.A., Jamal, M.S. and Hossain, M., 2024. Carbon dioxide minimization using sodium and potassium impregnated calcium oxide sorbent derived from waste eggshell. *Reaction Kinetics, Mechanisms and Catalysis*, 137(1), pp.359-374.
- Mobarak, M.B., Pinky, N.S., Chowdhury, F., Hossain, M.S., Mahmud, M., Quddus, M.S., Jahan, S.A. and Ahmed, S., 2023. Environmental remediation by hydroxyapatite: Solid state synthesis utilizing waste chicken eggshell and adsorption experiment with Congo red dye. *Journal of Saudi Chemical Society*, 27(5), p.101690.
- Nahar, A., Akbor, M.A., Pinky, N.S., Chowdhury, N.J., Ahmed, S., Gafur, M.A., Akhtar, U.S., Quddus, M.S. and Chowdhury, F., 2023. Waste newspaper driven activated carbon to remove polycyclic aromatic hydrocarbon from wastewater. *Heliyon*, 9(7).

- Islam, M.J., Khatun, N., Bhuiyan, R.H., Sultana, S., Shaikh, M.A.A., Bitu, M.N.A., Chowdhury, F. and Islam, S., 2023. Psidium guajava leaf extract mediated green synthesis of silver nanoparticles and its application in antibacterial coatings. *RSC advances*, 13(28), pp.19164-19172.
- Mobarak, M.B., Hossain, M.S., Chowdhury, F. and Ahmed, S., 2022. Covid-19 waste facemask conundrum: A facile way of utilization through fabricating composite material with unsaturated polyester resin and evaluation of its mechanical properties. *Heliyon*, 8(12).
- Mobarak, M.B., Hossain, M.S., Chowdhury, F. and Ahmed, S., 2022. Synthesis and characterization of CuO nanoparticles utilizing waste fish scale and exploitation of XRD peak profile analysis for approximating the structural parameters. *Arabian Journal of Chemistry*, 15(10), p.104117.

(ii)Processes :

(iii)Others :

Id links :

- Researchgate profile: <https://www.researchgate.net/profile/Fariha-Chowdhury-5/research>
- Orchid ID: 0009-0007-5756-483

