

LETTER OF EXPERIENCE



BioLuster Research Center Ltd.
Gopalganj 8100, Dhaka, Bangladesh
Website: www.blrcl.org
Email: support@blrcl.org

To Whom It May Concern,

This is to certify that Abdullah Al Shamsh Prottay has been employed as a Associate Researcher at [BioLuster Research Center Ltd.](http://www.blrcl.org), Gopalganj 8100, Dhaka, Bangladesh, since January 01, 2024, and is significantly contributing to our organization's pursuit of scientific excellence (Profile: <https://www.blrcl.org/Abdullah-Al-Shamsh-Prottay/>).

In his professional journey, Prottay demonstrated remarkable proficiency in conceptualization, study design, and data analysis particularly through the areas of natural product-based drug discovery and development. His extensive knowledge of drug development can be observed by his ability in molecular docking and pharmacokinetic modeling. He integrates cutting-edge computational tools with experimental research to accelerate the development of novel therapy solutions.

His notable contributions include successful involvement in the following projects:

1. Anxiogenic-like effects of coumarin, possibly through the GABA_A interaction pathway: Animal studies with in silico approaches.
2. Anxiolytic-like effect of daidzin possibly through GABA_A receptor $\alpha 2$ and $\alpha 3$ subunits interaction pathway: In vivo and in silico studies.
3. Quercetin increases the antidepressant-like effects of sclareol and antagonizes diazepam in thiopental sodium-induced sleeping mice: A possible GABAergic transmission intervention.
4. Sclareol exerts an anti-inflammatory effect, possibly through COXs inhibition pathway: In vivo and in silico studies.

Prottay has continuously shown his commitment to hard work, aptitude to communicate effectively, and the capability to respond promptly, all of which have significantly improved the caliber of our research objectives.

His professionalism, dedication, and expertise make him an indispensable asset to any research team. We are confident in his potential for exceptional success in future endeavors and wholeheartedly recommend him for any opportunity aligned with his skills and aspirations.

We wish him success and growth in his future research career and all the best in his upcoming pursuits.

Sincerely,

A handwritten signature in black ink, appearing to read "Md. Torequl Islam".

Md. Torequl Islam, PhD

Position: Director and Supervisor
BioLuster Research Center Ltd.

Date: February 04, 2025

Contact Information: dmt.islam@blrcl.org



Verify this certificate