

# AFIA IBNATH SHIMKI

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Research Pharmacologist, Pharmaceutical Sciences Research Division  
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## Personal Profile

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- Research Pharmacologist at Pharmaceutical Sciences Research Division, Bangladesh Council of Scientific and Industrial Research (BCSIR).
- Former Quality Control Officer at Incepta Pharmaceutical Ltd., Savar, Dhaka, Bangladesh.
- Completed Master of Pharmacy (M.Pharm) and Bachelor of Pharmacy (B.Pharm) from Islamic University, Kushtia.
- Date of Birth: 01 January 1999.
- Registered Pharmacist, Pharmacy Council of Bangladesh.

## Education

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**Master of Pharmacy (M.Pharm)**  
Islamic University, Kushtia, Bangladesh

**Bachelor of Pharmacy (B.Pharm)**  
Islamic University, Kushtia, Bangladesh

## Professional Experience

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**Research Pharmacologist** **Present**  
**Pharmaceutical Sciences Research Division, BCSIR Dhaka Laboratories** Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka, Bangladesh

**Quality Control Officer**  
**Incepta Pharmaceutical Ltd., Savar, Dhaka, Bangladesh**

## Publications (Selected)

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1. **Shimki, A. I.**, Rahman, A., Chowdhury, M. H. U., Chy, M. N. U., & Adnan, M. In silico molecular docking study of phytochemicals obtained from *Holigarna caustica* (Dennst.) for cancer treatment. *Journal of Phytomolecular Pharmacology*, **2022**, 1(1), 47-55.
2. Rahman, M.A., Khatun, M.T., Mim, A.K. **Shimki, A.I.** et al. Oxidative Stress in DNA Damage and Neurodegenerative Diseases: Unveiling The Mechanisms and Therapeutic Opportunities. *Cell Biochemistry and Biophysics*, **2025**.
3. Islam, M. S., Agarwala, R., Khatun, S., Enam, T., Siddika, A., Saffat, T., Jahan, M. I., **Shimki, A. I.**, Akter, A., Snigdha, M., & Tasmin, R. A cross-sectional study on gastric diseases and FGIDs in Bangladesh: Insights into causes, symptoms, and medications. *Health Science Reports*, **2025**, 8(8), e71188.
4. Parvez, A., Rahman, M. A., Rahman, M. M., **Shimki, A. I.**, Ahmmed, S., Supti, F. A., Hasan, M. H., Bristi, M. S. A., Ansari, S. A., & Islam, M. T. Broad-spectrum therapeutic potentials of the multifaceted triterpene lupeol and its derivatives. *Chemistry & Biodiversity*, **2025**, 22(7), e202402286.
5. Sheema, M. K., Hosen, Z., **Shimki, A. I.**, Mim, M. F., & Rahman, M. R. Errors in agricultural practices increase the toxicity of heavy metals in the food chain at Ishwardi Upazila in Bangladesh. *Heliyon*, **2024**, 10(7), e29314.

## Professional Trainings

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- Human Resource Development and Office Management, BCSIR, Dhaka, Bangladesh

## Professional Memberships

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- Registered Pharmacist, Pharmacy Council of Bangladesh
- Member of BCSIR Scientists Association

## References

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- Available upon request.

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