

# Curriculum Vitae



**Dr. Md. Abdul Mojib Mondol**

**Professor (Pharmacy) and Dean**

School of Science and Technology (SST)

Bangladesh Open University (BOU), Gazipur-  
1705, Bangladesh

Tel: 09666730730/689 (off)

Cell: +01837095394

## 1. Academic Qualification

| Degree/Certificate                       | Name of Institution                                                   | Class/Division           | Duration/<br>Passing Year | Major                         |
|------------------------------------------|-----------------------------------------------------------------------|--------------------------|---------------------------|-------------------------------|
| Humboldt Postdoctoral<br>Research Fellow | Georg-August-University,<br><b>Germany</b>                            | Certification            | 2013- 2015                | Natural Products<br>Chemistry |
| Doctor of Philosophy<br>(Ph.D.)          | KIOST, University of<br>Science and Technology,<br><b>South Korea</b> | A0 Grade                 | 2008-2012                 | Natural Products<br>Chemistry |
| Master of Pharmacy<br>(M.Pharm)          | Department of Pharmacy,<br>Rajshahi University                        | 1 <sup>st</sup> Class    | 2000-2001                 | Pharmacy                      |
| Bachelor of Pharmacy<br>(B.Pharm) (Hons) | Department of Pharmacy,<br>Rajshahi University                        | 1 <sup>st</sup> Class    | (1994-1999)               | Pharmacy                      |
| H.S.C                                    | Naogaon Govt. College,<br>Naogaon                                     | 1 <sup>st</sup> Division | 1993                      | Science                       |
| S.S.C                                    | Kaligonj Bonomali<br>Institution, Singra, Natore                      | 1 <sup>st</sup> Division | 1991                      | Science                       |

## 2. Professional Experience

| Designation         | Year                     | Institution                                                                |
|---------------------|--------------------------|----------------------------------------------------------------------------|
| Dean                | 17-09-2024 to until now  | School of Science and Technology<br>Bangladesh Open University, Bangladesh |
| Professor           | 21-06-2023 to until now  |                                                                            |
| Associate Professor | 18-05-2013 to 20-06-2023 |                                                                            |
| Assistant Professor | 26-11-2006 to 17-05-2013 |                                                                            |
| Lecturer            | 29-06-2003 to 25-11-2006 |                                                                            |

### 3. Written text books

So far, numerous text books have been written such as Nutrition and Diet Therapy, Diet Planning, Research Methodology, Instrumental Methods in Food Analysis-I and II, Basic Nutrition, Physical Chemistry, Food Microbiology etc.

### 4. Selected Publications

- **M. A. Mojid Mondol, Islam, S. T., Md., S. A. H., & Al, A. A.** (2025). Antimicrobial unusual small molecules from marine *Streptomyces* spp. *International Journal of Molecular Sciences*, 26(16), 7771. <https://doi.org/10.3390/ijms26167771>; **Impact Factor: 5.6**
- Abul Hasnat Md Shamim, **Md Abdul Mojid Mondol**, Miraj Hossain, Tanvir Islam Shovo, Minhaz Uddin, Mohammad Nur-e-Alam, Iftekhar Alam, Hattan A. Alharbi, A.F.M. Motiur Rahman. New antibacterial penicimenolide G with unusual 12-membered resorcylic acid lactone ring isolated from endophytic fungus *Aspergillus giganteus*. *Phytochemistry Letters* Date: August 2024 Pages: 18-23 Volume: Volume 62. **Impact Factor-1.7**
- **M. A. Maojid Mondol**, Hee Jae Shin, Md. Aminur Rahman and M. Tofazzal Islam. Sea Cucumber Glycosides: Chemical Structures, Producing Species and Important Biological Properties. *Mar. Drugs* **2017**, 15(10), 317. **Impact Factor: 5.7**
- **M. A. Mojid Mondol**, Hee Jae Shin, M. Aminur Rahman 3 and Mohamad Tofazzal Islam. Sea Cucumber Glycosides: Chemical Structures, Producing Species and Important Biological Properties. *Mar. Drugs* **2017**, 15(10), 317; <https://doi.org/10.3390/md15100317>; **Impact Factor: 5.7**
- **M. A. Mojid Mondol**, Jannatul Farhouse, M. Tofazzal Islam, Anja Schüffler and Hartmut Laatsch. Metabolites From the Endophytic Fungus *Curvularia* Sp. M12 Act as Motility Inhibitors Against *Phytophthora Capsici* Zoospores. *J. Nat. Prod.* **2017**, 80, 347–355. **Impact Factor: 3.947**
- **M. A. Mojid Mondol**, Musrat Zahan Surovy, M. Tofazzal Islam, Anja Schüffler and Hartmut Laatsch. Macrocyclic Trichothecenes from *Myrothecium roridum* strain M10 with motility inhibitory and zoosporicidal activities against *Phytophthora nicotianae*. *J. Agri. Food Chem.* **2015**, 63, 8777–8786. **Impact Factor: 6.7**
- **M. A. Mojid Mondol** and Hee Jae Shin. Antibacterial and antiyeast compounds from marine-derived bacteria. *Mar. Drugs*, **2014**, 12, 2913–2921. **Impact Factor: 5.7**
- **M. A. Maojid Mondol**, Hee Jae Shin and M. Tofazzal Islam. Diversity of secondary metabolites from marine *Bacillus* species: chemistry and biological activity. *Mar. Drugs*, **2013**, 11, 2846–2872. **Impact Factor: 5.7**
- **M. A. Mojid Mondol**, Fakir Shahidullah Tareq, Ji Hye Kim, Min Ah Lee, Hyi-Seung Lee, Yeon-Ju Lee and Hee Jae Shin. New antimicrobial compounds from a marine-derived *Bacillus* sp. *J. Antibiot.* **2013**, 66, 89–95. **Impact Factor: 2.7**
- **M. A. Mojid Mondol**, Fakir Shahidullah Tareq, Ji Hye Kim, Min Ah Lee, Hyi-Seung Lee, Yeon-Ju Lee, Jong-Soek Lee and Hee Jae Shin. Cyclic ether-containing macrolactins, antimicrobial 24- membered isomeric macrolactones from a marine *Bacillus* sp. *J. Nat. Prod.* **2011**, 74, 2582–2587. **Impact Factor: 3.947**
- **M. A. Mojid Mondol**, Ji Hye Kim, Min Ah Lee, Fakir Shahidullah Tareq, Hyi-Seung Lee, Yeon-Ju Lee and Hee Jae Shin. Iedomycins A-D, antimicrobial fatty acids from a marine *Bacillus* sp. *J. Nat. Prod.* **2011**, 74, 1606–1612. **Impact Factor: 3.947**
- M. Shamim Hossain, M. Aslam Hossain, M. Mukhlesur Rahman, **M. A. Mojid Mondol**, M. S. A.

Bhuiyan, Alexander I. Gray, Maria E. Flores and Mohammad A. Rashid. Amides from *Streptomyces hygroscopicus* and their antimicrobial activity. *Phytochemistry* **2004**, 65, 2147–2151. **Impact Factor: 3.350**

- **M. A. Mojid Mondol**, Ji Hye Kim, Hyi-Seung Lee, Yeon-Ju Lee and Hee Jae Shin. Macrolactin W, a new antibacterial macrolide from a marine *Bacillus* sp. *Bioorg. Med. Chem. Lett.* **2011**, 21, 3832–3835. **Impact Factor: 2.331**
- Nando Dulal Das, Kyoung Hwa Jung, Ji Hyun Park, **M. A. Mojid Mondol**, Hee Jae Shin, Hyi-Seung Lee, Kyoung Sun Park, Mi Ran Choi, Kyung Suk Kim, Moo Sung Kim, Sang Rin Lee and Young Gyu Chai. Terminalia chebula extract acts as a potential NF- $\kappa$ B inhibitor in human lymphoblastic T cells. *Phytother. Res.* **2011**, 25, 927–934. **Impact Factor: 2.397**

## 5. Research Interests/Experiences

- ☞ Natural Products Chemistry (Isolation, structure elucidation and biological activity study of active natural products originated from plant, microorganisms and functional foods.
- ☞ Keto diet, type 2 diabetes (T2D), CVD, intermittent fasting, overweight as well as muscular health
- ☞ Isolation of bioactive metabolites producing bacteria and fungi from soil, sponge, plants (endophytes), sediments, etc using different culture media.
- ☞ Analysis of food components.
- ☞ Small- and large-scale culture of bioactive compounds producing fungi, bacteria and actinomycetes.
- ☞ Identification of active principles in extracts obtained from plants, sponges, seaweeds and microbial fermentation broth through bioassay guidance and separation by column chromatography, TLC, PTLC, HPLC, GC, GC-MS, LC-MS, etc.
- ☞ Structure elucidation of new/novel bioactive compounds by spectroscopic (1D and 2D NMR, HRMS, CD, ORD, Computational Chemistry, etc) and chemical methods.
- ☞ Dereplication of known natural products through database searching (Sidex, Natural Products Dictionary, SciFinder, Antibase, etc).
- ☞ Determination of minimum inhibitory concentrations (MICs) of natural products against pathogenic microorganisms.
- ☞ Anti-tumour activity study of new/novel compounds against different tumor cell-lines/ using chick chorioallantoic membrane assay.
- ☞ Acute and sub-acute toxicity study of new/novel compounds in rats.
- ☞ Cytotoxicity study of new/novel compounds through Brine Shrimp Lethality Bioassay

## 6. Reviewer

Journal of Agriculture and Food Chemistry (American Chemical Society)

## 7. Awards and Achievements

- Rajshahi University Scholarship.
- Awarded by Shaheed Hobibur Rahman Hall authority, Rajshahi University with a “**Gold Medal**” for the result of B.Pharm (Hons).
- **Highest Scholarship for Ph.D. study** provided by the University of Science and Technology, South Korea.
- **Excellence Award** given by the University of Science and Technology, South Korea for outstanding research achievement in Ph.D. study.
- **Prestigious Humboldt Fellowship** awarded by the Humboldt Foundation, Germany for postdoctoral research.

8. Participated in numerous national and international seminar, conference and symposium.

### 9. Language Proficiency

| Language        | Reading   | Writing   | Speaking  |
|-----------------|-----------|-----------|-----------|
| Bangla (Native) | Excellent | Excellent | Excellent |
| English         | Excellent | Excellent | Excellent |

### 10. Personal Data

|                |   |                      |
|----------------|---|----------------------|
| Date of Birth  | : | 01 July, 1974        |
| Nationality    | : | Bangladeshi by birth |
| Religion       | : | Islam                |
| Marital Status | : | Married              |

|                                      |   |                                                                                                         |
|--------------------------------------|---|---------------------------------------------------------------------------------------------------------|
| Permanent Address                    | : | Village-Borobaria, P.O.- Kusmbi (Kaliganj),<br>P.S.-Raninagar, District- Naogaon, Bangladesh            |
| Residence                            | : | House-11, Road-16, Sector-13, Uttara, Dhaka                                                             |
| Present Address<br>(Mailing Address) | : | School of Science and Technology Bangladesh<br>Open University Board Bazar, Gazipur-1705,<br>Bangladesh |

### 11. References

**Prof. Dr. Abul Hasnat Md. Shamim**  
Honorable Vice-Chancellor  
Pabna University of Science and Technology  
Rajapur, Pabna-6600  
E-mail: [shamimsard@gmail.com](mailto:shamimsard@gmail.com)  
Cell: 01712672945

**Prof. Dr. Hartmut Laatsch**  
Institute for Organic and Biomolecular  
Chemistry, Georg August University,  
Tammannstrasse 2, D-37077Göttingen,  
**Germany**  
E-mail: [hlaatsc@gwdg.de](mailto:hlaatsc@gwdg.de)



20/07/2026

(Signature)