

**Prof. Dr. Firoj Ahmed**  
Chairman (In-charge)  
Department of Pharmacy  
Faculty of Pharmacy  
University of Dhaka, Dhaka-1000  
Bangladesh

Phone: 880-2-9677623(Office); Fax: 880-2-8615583  
Mobile: 01711972965; E-mail: [firoj72@yahoo.com](mailto:firoj72@yahoo.com); [firoj72@du.ac.bd](mailto:firoj72@du.ac.bd)  
ORCID ID: <https://orcid.org/0000-0003-0690-1451>  
Web: [https://www.du.ac.bd/faculty/faculty\\_details/PCHM/1450](https://www.du.ac.bd/faculty/faculty_details/PCHM/1450)



## STUDY RECORD

Degree	Department/Institution	Year
Doctor of Philosophy (PhD)	Laboratory of Natural Products Chemistry Graduate School of Pharmaceutical Sciences Chiba University, Japan.	2010
M. Pharm. (Master of Pharmacy)	Department of Pharmacy University of Dhaka Dhaka-1000, Bangladesh.	1995
B. Pharm. (Bachelor of Pharmacy)	Department of Pharmacy University of Dhaka Dhaka-1000, Bangladesh.	1994
HSC (Higher Secondary Certificate)	Rajshahi College Rajshahi, Bangladesh	1991
SSC (Secondary School Certificate)	Rajshahi Govt. Laboratory High School Rajshahi, Bangladesh	1989

## EMPLOYMENT

Date	Department/University/ Institute
30 Sep 2020-	Chairman, Department of Pharmacy University of Dhaka, Dhaka-1000, Bangladesh
16 Apr 2013 to till date	Professor, Department of Pharmaceutical Chemistry University of Dhaka, Dhaka-1000, Bangladesh
26 May 2010 to 15 Apr 2013	Associate Professor; Department of Pharmacy, Jagannath University, Dhaka-1100, Bangladesh
16 Aug 2001 to 25 May 2010	Assistant Professor, Pharmacy Discipline, Khulna University, Khulna-9208, Bangladesh
24 May 2000 to 15 Aug 2001	Lecturer, Pharmacy Discipline, Khulna University Khulna-9208, Bangladesh
01 July 1998 to 25 May 2000	Quality Assurance Officer, Beximco Infusions Ltd., Tongi -1711, Gazipur, Bangladesh

## PROFESSIONAL INVOLVEMENT

1. Worked as a Technical Committee Member of the 'Bangladesh Pharmacy Model Initiatives-BPMI', implemented jointly by MSH, Pharmacy Council of Bangladesh and DGDA.

## REVIEWER OF JOURNALS

1. *Phytochemistry*
2. *Journal of Ethnopharmacology*
3. *Fitoterapia*
4. *Pharmaceutical Biology*
5. *Acta Pharmacologica Sinica*
6. *Oriental Pharmacy and Experimental Medicine*

## THESIS PROJECT SUPERVISSION

Level of Study	Title	Supervisor/Co-Supervisor(s)	Name of Student(s)	Area of Research	Current Completion
PhD	Isolation and Characterization of Antibacterial Principles from some Traditionally Used Plants of Bangladesh.	Supervisor	Nazneen Ahmeda Sultana	Natural Products Chemistry	On going
PhD	Study on Health and Drug Policies of Bangladesh to ensure Health for all.	Co-Supervisor	Md. Aknur Rahman	Pharmaceutical Regulatory Affairs	On going
MPhil	Phytochemical and biological investigation on some medicinal plants of Bangladesh.	Supervisor	Serina Sultana	Natural Products Chemistry	On going

## SCHOLARSHIPS AND AWARDS

1. TBRF (Tokyo Biochemical Research Foundation) Fellowship for Post-doctoral Research.
2. Monbukagakusho Scholarship for Doctoral Study.
3. Dhaka University Scholarship during M. Pharm.
4. Rajshahi Education Board Scholarship at HSC and B. Pharm. Levels
5. Dean's Award, Faculty of Biological Sciences, University of Dhaka

## EXECUTIVE POSITIONS OF PROFESSIONAL ORGANISATION

- Member, EC Committee, Bangabondhu Parishoad
- President, Singra Upazila Kalyan Samity, Dhaka
- Member, North Fuller Road R/A Kalyan Samity, University of Dhaka
- Former Joint Secretary, Jagannath University Teachers' Association (JnUTA).
- Former General Secretary, Khulna University Teachers' Club (KUTC).
- Former Cultural Secretary, Khulna University Teachers' Association (KUTA).
- Former Executive Member, Khulna University Teachers' Co-operative Housing Society (KUTCOHS).

## MEMBER OF PROFESSIONAL ORGANISATION

- Member, Pharmacy Graduates' Association, Bangladesh (PGA).
- Member, Bangladesh Pharmaceutical Society (BPS).
- Member, Japanese Society of Pharmacognosy
- Member, Phytochemical Society of Asia

### ***Prof. Masami Ishibashi***

*Department of Natural Products Chemistry  
Graduate School of Pharmaceutical Sciences  
Chiba University  
1-8-1 Inohana, Chuo-ku, Chiba 260-8675, Japan  
Tel/Fax: +81-43-226-2923;  
E-mail: mish@chiba-u.jp*

### ***Prof. ABM Faroque***

*Department of Pharmaceutical Technology  
Faculty of Pharmacy  
Dhaka University  
Dhaka-1000, Bangladesh  
Tel: +880-1830002826;  
E-mail: abmfaroque@yahoo.com*

## LIST OF RESEARCH ARTICLES

- 1) Hara Y, Totsugi Y, Ichikawa H, Harada S, Fujii, K, Ahmed F, Sadhu SK, Arai MA, Ishibashi M. Acacienone, a terpenoid-like natural product having an unprecedented C20 framework isolated from *Acacia mangium* leaves. *J. Nat. Med.* *in press*
- 2) Jeaydi TI, Sikdar KMYK, Saqueeb N, Ahmed F, Sarker MR, Faroque ABM. Adulterants in various brand of soybean oils marketed in Bangladesh. *J. Bangladesh Chem. Soc.* 2020, 31, 58-62.
- 3) Hossain MS, Rahaman MM, Rahman MA, Uddin J, Ahmed F. Phytochemical and Biological Investigation of *Curcuma amada* leaves. *Dhaka Univ. J. Pharm. Sci.* 2020, 19, 9-13.
- 4) Penu FI, Ivy SM, Ahmed F, Uddin J, Hossain MS, Labu ZK. 2020. *In-vitro* Assessment of Antioxidant, Thrombolytic, Antimicrobial Activities of Medicinal Plant *Pandanus odoratissimus* L. Leaves Extract. *J. Sci. Res.* 2020, 12, 379-390.
- 5) Arai MA, Morita K, Kawano H, Makita Y, Hashimoto M, Suganami A, Tamura T, Sadhu SK, Ahmed F, Ishibashi, M. Target protein-oriented isolation of Hes1 dimer inhibitors using protein based methods. *Sci. Rep.* 2020, 10, 1381.
- 6) Ahmed F, Akter D, Muhit MA, Raihan SZ, Faroque ABM. DPPH Free-radical Scavenging and Cytotoxic Activities of *Leea macrophylla*. *Bangladesh Med. Res. Council. Bull.* 2018, 44, 77-81.
- 7) Arai MA, Ochi F, Makita Y, Chiba T, Higashi K, Suganami A, Tamura Y, Toida T, Iwama A, Sadhu SK, Ahmed F, Ishibashi M. GLI1 inhibitors isolated by target protein oriented natural products isolation (TPO-NAPI) with hedgehog inhibition. *ACS Chem. Biol.* 2018, 13, 2551-2559.
- 8) Taniguchi K, Funasaki M, Kishida A, Sadhu SK, Ahmed F, Ishibashi M, Ohsaki A. Two new coumarins and a new xanthone from the leaves of *Rhizophora mucronata*. *Bioorg. Med. Chem. Lett.* 2018, 28, 1063-1066.
- 9) Yoneyama T, Arai MA, Akamine R, Koryudzu K, Sadhu SK, Ahmed F, Itoh M, Okamoto R, Ishibashi M. New Notch inhibitors from *Calotropis gigantea* that induce neuronal differentiation of neural stem cells. *J. Nat. Prod.* 2017, 80, 2453-2461.
- 10) Arai MA, Tanaka M, Tanouchi K, Ishikawa N, Ahmed F, Sadhu SK, Ishibashi M. Hes1 Binding Compounds Isolated by Target Protein Oriented Natural Products Isolation (TPO-NAPI). *J. Nat. Prod.* 2017, 80, 538-543.
- 11) Ahmed F, Karmakar UK, Arai MA, Ishikawa N, Sadhu SK, Ishibashi M. Germacranolides from *Enhydra fluctuans* with TRAIL-resistance Abrogating Activity. *Nat. Prod. Commun.* 2017, 12, 1169-1170.
- 12) Ahmed F, Toume K, Ishikawa N, Arai MA, Sadhu SK, Ishibashi M. Constituents from *Entada scandens* with TRAIL-resistance Overcoming Activity. *Nat. Prod. Commun.* 2016, 11, 993-995.
- 13) Karmakar UK, Ishikawa N, Arai MA, Ahmed F, Koyano T, Kowithayakorn T, Ishibashi M. Boesenberols, Pimarane Diterpenes with TRAIL Resistance-Overcoming Activity from *Boesenbergia pandurata*. *J. Nat. Prod.* 2016, 79, 2075-2082.
- 14) Karmakar UK, Toume K, Ishikawa N, Arai MA, Sadhu SK, Ahmed F, Ishibashi M. Bioassay guided isolation of compounds with TRAIL-resistance overcoming activity from *Datura stramonium*. *Nat. Prod. Commun.* 2016, 11, 185-187.
- 15) Ahmed F, Ishibashi M. Bio-active natural products with TRAIL-resistance overcoming activity. *Chem. Pharm. Bull.* 2016, 64, 119-127.
- 16) Ohishi K, Toume K, Arai MA, Sadhu SK, Ahmed F, Ishibashi M. Coronaridine, an iboga type alkaloid from *Tabernaemontana divaricata*, inhibits Wnt signaling pathway by decreasing  $\beta$ -catenin mRNA expression. *Bioorg. Med. Chem. Lett.* 2015, 25, 3937-3940.
- 17) Yoneyama T, Arai MA, Sadhu SK, Ahmed F, Ishibashi M. Hedgehog inhibitors from *Withania somnifera*. *Bioorg. Med. Chem. Lett.* 2015, 25, 3541-3544.
- 18) Arai MA, Uchida K, Sadhu SK, Ahmed F, Koyano T, Kowithayakorn T, Ishibashi M. Hedgehog inhibitors from *Artocarpus communis* and *Hyptis suaveolens*. *Bioorg. Med. Chem.* 2015, 23, 4150-4154.
- 19) Azad MAK, Islam MO, Rima E, Islam MM, Khatun CS, Nesa JU, Ahmed F. Phytochemical screening and *in-vitro* thrombolytic activity of methanolic extract of *Zanthoxylum rhetsa*. *J. Pharm. Sci. & Res.* 2015, 7, 302-302.
- 20) Karmakar UK, Ishikawa N, Toume K, Arai MA, Sadhu SK, Ahmed F, Ishibashi M. Sesquiterpenes

- with TRAIL-resistance overcoming activity from *Xanthium strumarium*. **Bioorg. Med. Chem.** 2015, 23, 4746-4754.
- 21) Arai MA, Akamine R, Sadhu SK, Ahmed F, Ishibashi M. Hedgehog/GLI- mediated transcriptional activity inhibitors from *Crinum asiaticum*. **J. Nat. Med.** 2015, 69, 538-542.
  - 22) Shono T, Ishikawa N, Toume K, Arai MA, Ahmed F, Sadhu SK, Ishibashi M. Boehmenan, a lignan from *Hibiscus ficulneus*, showed Wnt signal inhibitory activity. **Bioorg. Med. Chem. Lett.** 2015, 25, 2735-2738.
  - 23) Fuentes RG, Arai MA, Sadhu SK, Ahmed F, Ishibashi M. Phenolic compounds from the bark of *Oroxylum indicum* identified as Ngn2 promoter activators. **J. Nat. Med.** 2015, 69, 589-594.
  - 24) Fuentes, R. G.; Toume, K.; Arai, M. A.; Sadhu, S. K.; Ahmed, F.; Ishibashi, M. Scopadulciol, isolated from *Scoparia dulcis*, induces  $\beta$ -catenin degradation and overcomes TRAIL resistance in AGS human gastric adenocarcinoma cells. **J. Nat. Prod.** 2015, 78, 864-872.
  - 25) Fuentes RG, Toume K, Arai MA, Sadhu SK, Ahmed F, Ishibashi M. Limonoids with Wnt signal inhibitory activity isolated from the fruits of *Azadirachta excelsa*. **Phytochem. Lett.** 2015, 11, 280-285.
  - 26) Hossen SMM, Islam J, Ahmed F, Hossain MA, Siddiki MAK, Hossain SMS. Free Radical Scavenging Activity of Six Medicinal Plants of Bangladesh: A Potential Source of Natural Antioxidant. **J. App. Pharm.** 2015, 7, 96-104.
  - 27) Tahmina H, Toume K, Arai MA, Sadhu SK, Ahmed F, Ishibashi M. Isolation of alkamides with death receptor-enhancing activities from *Piper chaba*. **Heterocycles** 2015, 90, 1317-1322.
  - 28) Ohishi K, Toume K, Arai MA, Sadhu SK, Ahmed F, Mizoguchi T, Itoh M, Ishibashi M. Ricinine: a pyridone alkaloid from *Ricinus communis* that activates the Wnt signaling pathway through casein kinase 1 $\alpha$ . **Bioorg. Med. Chem.** 2014, 22, 4597-4601.
  - 29) Hossen SMM, Islam J, Hossain MS, Rahman MM, Ahmed F. Phytochemical and Biological Evaluation of MeOH Extract of *Casuarina equisetifolia* (Linn.) Leaves. **Eur. J. Med. Plants**, 2014, 4, 927-936.
  - 30) Hossen SMM, Hossain MS, Islam J, Pinto MN, Nur-E-Jannat, Ahmed F. Comparative preliminary phytochemical and biological investigations on *Andrographis paniculata* (Nees) and *Aristolochia indica* (Linn). **Der Pharma Chemica** 2014, 6,332-338.
  - 31) Hossain MS, Islam J, Alam MS, Ahmed F, Kabir AKL, Hossen SMM. Preliminary phytochemical, antioxidant, antibacterial and cytotoxic activity evaluation of MeOH extract of *Aphanamixis polystachya* (Wall.) leaf. **J. Adv. Pharm. Res. Biosci.** 2014, 2, 50-53.
  - 32) Park H-Y, Toume K, Arai MA, Sadhu SK, Ahmed F, Ishibashi M. Calotropin: a cardenolide from *Calotropis gigantea* that inhibits Wnt signaling by increasing casein kinase 1 $\alpha$  in colon cancer cells. **ChemBioChem.** 2014, 15, 872-878.
  - 33) Arai MA, Uchida K, Sadhu SK, Ahmed F, Ishibashi M. Physalin H from *Solanum nigrum* as Hh signaling inhibitor blocks GLII-DNA complex formation. **Beil. J. Org. Chem.** 2014, 10, 134-140.
  - 34) Toume K, Kamiya K, Arai MA, Mori N, Sadhu SK, Ahmed F, Ishibashi M. Xylogranin B: a potent Wnt signal inhibitory limonoid from *Xylocarpus granatum*. **Org. Lett.** 2013, 15, 6106-6109.
  - 35) Arai MA, Fujimatsu T, Uchida K, Sadhu SK, Ahmed F, Ishibashi M. Hh signaling inhibitors from *Vitex negundo*, naturally occurring inhibitor of GLII-DNA complex. **Mol. BioSys.** 2013, 9, 1012-1018.
  - 36) Minakawa T, Toume K, Arai MA, Sadhu SK, Ahmed F, Ishibashi. Eudesmane-type Sesquiterpenoid and Guaianolides from *Kandelia candel* in a Screening Program for Compounds to Overcome TRAIL-resistance. **J. Nat. Prod.** 2012, 75, 1431-1435.
  - 37) Islam MA, Ahmed F, Rahman DM, Saifuzzaman M. Antinociceptive, antibacterial and antidiarrhoeal activities of *Tamarix indica*. **Jagannath Univ. J. Sci.** 2012, 1, 55-63.
  - 38) Bellah F, Ahmed F, Rahman AA, Shahid IZ, Hossen M. preliminary phytochemical, anti-bacterial, analgesic, anti-diarrhoeal and cytotoxic activity of methanolic extract of *Polyalthia suberosa* leaves. **Int. J. Pharm. Sci. Res.** 2012, 3, 1322-1326.
  - 39) Islam MA, Saifuzzaman M, Ahmed F, Rahman MM, Sultana N, Naher K. Antinociceptive activity of methanolic extract of *Acanthus ilicifolius* linn. Leaves. **Turk J. Pharm. Sci.** 2012, 9, 51-60.
  - 40) Howlader MSI, Rahman MA, Khalipha ABR, Rahman MM, Ahmed F. Antioxidant and antidiarrhoeal potentiality of *Diospyros blancoi*. **Int. J. Pharmacol.** 2012, 8, 403-409.
  - 41) Koryudzu K, Arai MA, Ahmed F, Sadhu SK, Ishibashi M. A new resin glycoside from *Ipomoea maxima*. **Nat. Prod. Commun.** 2012, 7, 475-477.
  - 42) Yamaguchi T, Toume K, Arai MA, Ahmed F, Sadhu S K, Ishibashi M. Phorbol esters with Wnt signal-



- augmenting effects isolated from *Excoecaria indica*. *Nat. Prod. Commun.* 2012, 7, 219-220.
- 43) Yusnita R, Arai MA, Sadhu SK, Ahmed F, Ishibashi M. New Hedgehog/GLI signaling inhibitors from *Excoecaria agallocha*. *Bioorg. Med. Chem. Lett.* 2011, 21, 718-722.
  - 44) Ahmed F, Toume K, Ohtsuki T, Rahman M, Sadhu SK, Ishibashi M. Cryptolepine, isolated from *Sida acuta*, sensitizes human gastric adenocarcinoma cells to TRAIL-induced apoptosis. *Phytotherapy Res.* 2011, 25, 147-150.
  - 45) Islam MA, Ahmed F, Sadhu SK, Saifuzzaman M, Nasrin D, Bakshi B. 2011. Antibacterial Activity of *Manilkara zapota* and *Cynometra ramiflora*. *Hamdard Medicus* 2011, 54, 9-11.
  - 46) Ahmed F, Sadhu SK, Ohtsuki T, Khatun A, Ishibashi M. Glycosides from *Vallaris solanaceae* with trail-resistance-overcoming activity. *Heterocycles* 2010, 80, 477-488.
  - 47) Ahmed F, Sadhu SK, Ishibashi M. Search for bioactive natural products from medicinal plants of Bangladesh. *J. Nat. Med.* 2010, 64, 393-401.
  - 48) Islam MA, Sadhu SK, Ahmed F, Saifuzzaman M, Lipi F, Naher K, Parvin S. Assessment of antidiarrhoeal, cytotoxicity and antibacterial activity of aerial parts of *Cymbopogon citrates* DC. *Ex Ness. J. Pharmacy Res.* 2010, 3, 1670-1672.
  - 49) Mohamed S. Abdelfattah, Toume K, Ahmed F, Sadhu SK, Ishibashi M. Cucullamide, a New Putrescine Bisamide from *Amoora cucullata*. *Chem. Pharm. Bull.* 2010, 58, 1116-1118.
  - 50) Ahmed F, Toume K, Sadhu SK, Ohtsuki T, Arai MA, Ishibashi M. Constituents of *Amoora cucullata* with TRAIL-resistance overcoming activity. *Org. Biomol. Chem.* 2010, 8, 3696-3703.
  - 51) Minakawa T, Toume K, Ahmed F, Sadhu SK, Ohtsuki T, Arai MA, Ishibashi M. Constituents of *Pongamia pinnata* Isolated in a Screening for Activity to Overcome TRAIL-Resistance. *Chem. Pharm. Bull.* 2010, 58, 1549-1552.
  - 52) Arai MA, Seto J, Ahmed F, Uchiyama K, Ishibashi M. Practical total synthesis of fuligocandins A, B. *Synlett* 2010, 16, 2498-2502.
  - 53) Shintani A, Yamazaki H, Yamamoto Y, Ahmed F, Ishibashi M. Cribrarione C, a naphthoquinone pigment from the myxomycete *Cribraria meylanii*. *Chem. Pharm. Bull.* 2009, 57, 894-895.
  - 54) Sanzida M, Iga R, Hossain SJ, Ahmed F, Takasugi M, Aoshima H. 2009. Potentiation of the GABAA receptor response by Bangladeshi medicinal plants. *Food Sci. Technol. Res.* 2009, 15, 315-324.
  - 55) Hossain SJ, Aoshima H, El-Sayed M, Ahmed F. Antioxidative and anti-histamine-release activities of *Excoecaria agallocha* L. *Pharmacologyonline* 2009, 2, 927-936.
  - 56) Ahmed F, Ohtsuki T, Aida W, Ishibashi M. 2008. Tyrosine derivatives Isolated from *Streptomyces* sp. IFM 10937 in a Screening program for TRAIL-resistance-overcoming activity. *J. Nat. Prod.* 2008, 71, 1963-1966.
  - 57) Uddin SN, Uddin KMA, Ahmed F. Analgesic and antidiarrhoeal activities of *Trema orientalis* Linn. in mice. *Orient. Pharm. Exp. Med.* 2008, 8, 187-191.
  - 58) Subhan N, Alam MA, Ahmed F, Awal MA, Nahar L, Sarker SD. 2008. *In vitro* antioxidant property of the extract of *Excoecaria agallocha* (Euphorbiaceae). *DARU* 2008, 16, 149-154.
  - 59) Ahmed F, Shahid IZ, Khatun A, Subhan N. 2008. Antidiarrhoeal and Neuro- pharmacological Activities of *Avicennia officinalis* Linn. *Hamdard Medicus* 2008, 51, 18-23.
  - 60) Ahmed F, Amin R, Shahid IZ, Sobhani ME. Antibacterial, Cytotoxic and Neuropharmacological activities of *Cerbera odollam* seeds. *Orient. Pharm. Exp. Med.* 2008, 8, 323-328.
  - 61) Subhan N, Alam MA, Ahmed F, Shahid IJ, Nahar L, Sarker SD. Bioactivity of *Excoecaria agallocha*. *Braz. J. Pharmacog.* 2008, 18, 521-526.
  - 62) Ahmed F, Shahid IZ, Baksi B, Sadhu SK. Antinociceptive and antidiarrhoeal Activities of *Sonneratia caseolaris*. *Orient. Pharm. Exp. Med.* 2007, 7, 274-279.
  - 63) Subhan N, Alam MA, Ahmed F, Shahid IJ. 2008. Antinociceptive and gastroprotective effect of the crude ethanolic extracts of *Excoecaria Agallocha* Linn. *Turk J. Pharm. Sci.* 2008, 5, 143-154.
  - 64) Ahmed F, Shahid IZ, Gain NC, Reza MSH, Sadhu SK. Antinociceptive and antidiarrhoeal activities of *Bruguiera gymnorhiza*. *Orient. Pharm. Exp. Med.* 2007, 7, 280-285.
  - 65) Ahmed F, Shahid IZ, Biswas UK, Roy BA, Das AK, Choudhuri MSK. Anti-inflammatory, antinociceptive and neuropharmacological activities of *Clerodendron viscosum*. *Pharm. Biol.* 2007, 45, 587-593.
  - 66) Ahmed F, Shahid IZ, Rahman MM, Masud MM, Sadhu SK. 2007. Antinociceptive activity of *Derris uliginosa*. *Fitoterapia* 2007, 78, 377-378.

- 67) Ahmed F, Al-Mamun AH, Shahid IZ, Rahman AA, Sadhu SK. Antinociceptive, Antidiarrhoeal and Cytotoxic activity of *Aegiceras corniculatum*. ***Orient. Pharm. Exp. Med.* 2007, 7, 191-196.**
- 68) Shahid IZ, Ahmed F, Karmakar D, Sadhu SK. Antinociceptive activity of *Avicennia officinalis*. ***Orient. Pharm. Exp. Med.* 2007, 7, 100-102.**
- 69) Ahmed F, Rahman KM, Alam SMM, Masud MM. Antinociceptive activity of *Vitis trifolia*. ***Dhaka Univ. J. Pharm. Sci.*, 2007, 6, 129-130**
- 70) Reza MSH, Mandal C, Alam KA, Salam A, Rahman MA, Amin MR, Huda MN, Ghosh NC, Ali MR, Ahmed F. Phytochemical, antibacterial and antinociceptive studies of *Hoya parasitica*. ***J. Pharmacol. Toxicol.* 2007, 2, 753-756.**
- 71) Sarker PK, Uddin KMA, Sagor MM, Uddin SN, Ahmed F. Antibacterial, Cytotoxic and Antioxidant activity of *Trema orientalis*. ***Bangladesh J. Med. Sci.* 2007, 13, 138-143.**
- 72) Ahmed F, Sadhu SK, Shahid IZ, Razzak MA, Rahman MM, Hoque T, Rahman MT. Free radical scavenging activity of some Mangroves available in Bangladesh. ***Orient. Pharm. Exp. Med.* 2006, 6, 58-64.**
- 73) Saha SK, Naznin S, Ahmed F. A Household based safe water intervention programme for a slum area in Bangladesh. ***Asian J. Water Env. Pollut.* 2006, 3, 21-25.**
- 74) Sadhu SK, Ahmed F, Ohtsuki T, Ishibashi M. Flavonoids from *Sonneratia caseolaris*. ***J. Nat. Med.* 2006, 60, 264-265.**
- 75) Ahmed F, Islam MA, Rahman MM. Antibacterial activity of *Leonurus sibiricus* Linn. aerial parts. ***Fitoterapia* 2006, 77, 316-317.**
- 76) Shahid IZ, Moniruzzaman M, Das AK, Choudhuri MSK, Ahmed F. Pharmacological studies on roots of *Achyranthes aspera* Linn. ***Orient. Pharm. Exp. Med.* 2006, 6, 202-207.**
- 77) Ahmed F, Hossain MH, Rahman AA, Shahid IZ. Antinociceptive and CNS depressant activity of the bark of *Cerbera odollam* Gaertn. ***Orient. Pharm. Exp. Med.* 2006, 6, 344-348.**
- 78) Islam MA, Ahmed F, Das AK, Bachar SC. Analgesic and anti-inflammatory activity of *Leonurus sibiricus* Linn. aerial parts. ***Fitoterapia* 2005, 76, 359-362.**
- 79) Selim MST, Shilpi JA, Ahmed F. 2005. Antibacterial activity of *Ludwigia adscendens* Linn. ***Fitoterapia* 2005, 76, 473-475.**
- 80) Das AK, Shahid IZ, Choudhuri MSK, Shilpi JA, Ahmed F. Anti-inflammatory, antinociceptive and diuretic activities of *Amoora cucullata* Roxb. ***Orient. Pharm. Exp. Med.* 2005, 5, 37-42.**
- 81) Ahmed F, Selim MST, Das AK, Choudhuri MSK. 2005. Central nervous system depressant activity of *Lippia nodiflora* Linn. ***J. Asiatic Soc. Bangladesh (Science)* 2005, 31, 75-79.**
- 82) Das AK, Ahmed F, Biswas NN, Dev S, Masud MM. 2005. Diuretic Activity of *Acalypha indica*. ***Dhaka Univ. J. Pharm. Sci.* 2005, 4, 77-78.**
- 83) Das AK, Shahid IZ, Ahmed F, Moniruzzaman M, Masud MM. 2005. Central nervous system depressant activity of *Amoora cucullata* Roxb. ***Dhaka Univ. J. Pharm. Sci.* 2005, 4, 83-85.**
- 84) Ahmed F, Islam MA, Choudhuri MSK. Central nervous system depressant activity of *Leonurus sibiricus* Linn. ***Nig. J. Nat. Prod. Med.* 2005, 9, 35-37.**
- 85) Ahmed F, Selim MST, Das AK, Choudhuri MSK. Anti-inflammatory and antinociceptive activities of *Lippia nodiflora* Linn. ***Die Pharmazie* 2004, 59, 329-330.**
- 86) Ahmed F, Das PK, Islam MA, Sadhu SK, Masud MM. Anti-inflammatory and antinociceptive activities of *Cordyline terminalis* Kunth. ***Dhaka Univ. J. Pharm. Sci.* 2004, 3, 61-63.**
- 87) Ahmed F, Shah RK, Rahman GMZ, Hossain MH. Pharmacological Profile of *Caesalpinia bonducella* Flem. ***West Afr. J. Pharmacol. Drug Res.* 2004, 20, 58-61.**
- 88) Alam SMM, Yeasmin L, Reza MN, Shilpi JA, Ahmed F, Akter MZ. 2004. Studies on Binding Parameters of Chloramphenicol on Bovine Serum Albumin (BSA). ***J. Biol. Sci.* 2004, 4, 203-206.**
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- 90) Rahman GMS, Ahmed F, Shill MC, Khaleque T, Karmakar UK, Alam SM. Potency and Stability Studies of Marketed Paracetamol and Ranitidine Preparations in Bangladesh. ***Khulna Univ. Studies* 2003, 5, 49-53.**
- 91) Rahman KM, Rahman MM, Ahmed F. Antibacterial activity of *Vitis trifolia* Linn. ***Khulna Univ. Studies* 2003, 5, 11-13.**

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- 93) Ahmed F, Das AK, Karmakar UK, Khaleque T, Shill MC. Quality of Marketed Metronidazole Preparations in Bangladesh - An Analytical Overview. *J. Biol. Sci.* **2003**, 3, 940-950.
- 94) Ahmed F, Das PK, Islam MA, Rahman KM, Rahman MM, Selim MST. Antibacterial activity of *Cordyline terminalis* Kunth. *J. Med. Sci.* **2003**, 3, 418-422.
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- 96) Ahmed F, Banoo R, Rahman GMS, Khan OF. A Convenient Colorimetric Assay Method for Determination of Vitamin B<sub>12</sub> in Pharmaceutical Preparations. *J. Med. Sci.* **2003**, 3, 163-168.
- 97) Juberi MI, Banu A, Ahmed F. Bio-diversity of Medicinal Plants in some areas of Natore District. *Grass Roots Voice* 2003, 5, 51-63.

#### LIST OF CONFERENCE PAPER

- (1) T. Yoneyama, M.A. Arai, R. Okamoto, S. K. Sadhu, F. Ahmed, M. Ishibashi. "Noch signal modulatory compounds from *Calotropis gigantean*". *62<sup>nd</sup> Annual Meeting of the Japanese Society of Pharmacognosy*, Gifu, 2015, Abstract p.172.
- (2) U. K. Karmakar, N. Ishikawa, K. Toume, M. A. Arai, T. Koyano, T. Kowithayakorn, F. Ahmed, M. Ishibashi, "Bioassay guided isolation of pimarane diterpenes with TRAIL-resistance overcoming activity from *Boesenbergia pandurata*". *62<sup>nd</sup> Annual Meeting of the Japanese Society of Pharmacognosy*, Gifu, 2015, Abstract p.171.
- (3) U. K. Karmakar, N. Ishikawa, K. Toume, M. A. Arai, S. K. Sadhu, F. Ahmed, M. Ishibashi. "Sesquiterpenes with TRAIL-resistance overcoming activity from *Xanthium strumarium*", *62<sup>nd</sup> Annual Meeting of the Japanese Society of Pharmacognosy*, Gifu, 2015, Abstract p. 170.
- (4) F. Ahmed, N. Ishikawa, M. A. Arai, S. K. Sadhu, M. Ishibashi. "Bioactive compounds with TRAIL-resistance overcoming activity from *Entada scandens* and *Aegiceras corniculatum*", *62<sup>nd</sup> Annual Meeting of the Japanese Society of Pharmacognosy*, Gifu, 2015, Abstract p. 167.
- (5) Rolly G. Fuentes, K. Toume, M. A. Arai, Samir K. Sadhu, Firoj Ahmed, M. Ishibashi. " Wnt signal inhibitory compounds from *Scoparia dulcis*", *59<sup>th</sup> symposium on the Chemistry of Terpenes, Essential oils and Aromatics* (TEAC), Osaka, 2015, Abstract, p. 322-324.
- (6) F. Ahmed and M. Ishibashi, "Bioactive natural products with TRAIL-resistance overcoming activity from medicinal plants of Bangladesh", Inaugural Symposium of the Phytochemical Society of Asia 2015, August 30, 2015, Tokushima.
- (7) R. G. Fuentes, M. A. Arai, S. K. Sadhu, F. Ahmed, and M. Ishibashi, "Phenolic compounds from the bark of *Oroxylum indicum* identified as Ngn2 promoter activators", 30th Philippine Chemistry Congress, April 15-17, 2015, Davao City, Philippines
- (8) K. Oishi, K. Toume, M. A. Arai, S. K. Sadhu, **F. Ahmed**, M. Ishibashi. "Wnt signal inhibitory compounds from *Tabernaemontana divaricata*". *135<sup>th</sup> Annual Meeting of the Pharmaceutical Society of Japan*, Kobe, 26-28 March, 2015.
- (9) U. K. Karmakar, N. Ishikawa, K. Youme, S. K. Sadhu, **F. Ahmed**, M.A. Arai, M. Ishibashi. "Bioactive compounds with TRAIL-resistance overcoming activity from *Xanthium strumarium*". *135<sup>th</sup> Annual Meeting of the Pharmaceutical Society of Japan*, Kobe, 26-28 March, 2015.
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- (11) T. Shono, N. Ishikawa, K. Toume, M.A. arai, S. K. Sadhu, **F. Ahmed**, M. Ishibashi. "Natural products with Wnt signal inhibitory activity from *Hibiscus ficulneus*". *135<sup>th</sup> Annual Meeting of the Pharmaceutical Society of Japan*, Kobe, 26-28 March, 2015.
- (12) **F. Ahmed**, S. K. Sadhu, M. Ishibashi. "Bioactive compounds with TRAIL-resistance overcoming activity from *Entada scandens*". *135<sup>th</sup> Annual Meeting of the Pharmaceutical Society of Japan*, Kobe, 26-28 March, 2015.
- (13) **F. Ahmed**, M. Ishibashi. "Study of mechanism of TRAIL-resistance overcoming activity of bioactive



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## **PERSONAL DETAIL**

Father's Name : Md. Abdul Aziz  
Mother's Name : Afroza Begum  
Date of birth : January 09, 1975  
Place of Birth : Singra, Natore  
Blood group : A (+ ve)  
Permanent Address : House No.: 125; Ward No.: 05; Singra Pourashova, Natore  
NID number : 19756929105000001  
Religion : Islam  
Marital status : Married  
Nationality : Bangladeshi  
Contact Detail : Professor, Dept. of Pharmaceutical Chemistry, University of Dhaka, Dhaka-1000; Mobile: 01711972965; E-mail: firoj72@du.ac.bd

Dr. Firoj Ahmed

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_\_