



# Resume OF

## MUHAMMAD ALI KHAN

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### Research Experiences:

1. Determination of Antitumor/Anticancer activity of natural plant extracts on EAC cell induced tumor bearing mice.
2. Determination of Cytotoxicity of natural plant extracts through Brine Shrimp Lethality Bioassay.
3. Determination of Antibacterial activity and MIC of natural plant extracts on gram+ and gram- bacteria
4. Determination of Antifungal activity of natural plant extracts.
5. Antidiabetic activity of natural plant extracts on mice model.
6. Determination of Antioxidant activity of natural plant extracts.
7. Evaluation of Analgesic and Antidepressant activity of natural plant extracts.

### Education:

Name of Degree	Institution	Medium of Instruction & Examination System	Passing Year	Result (CGPA)
PhD Student	University of Queensland Australia			
Master of Pharmacy (Thesis)	University of Rajshahi Bangladesh	English	July 25, 2012	4.00 (Out of 4.00)
Bachelor of Pharmacy (Four Years Integrated)	University of Rajshahi, Bangladesh	English	August 09, 2010	3.67 (Out of 4.00)

### Thesis Title:

Evaluation of Antioxidant, Analgesic and Antidepressant activities of *Morusalba* L. (Tut).

### Supervisor:

Dr. A.H. M. KhurshidAlam, Professor, Department of Pharmacy, University of Rajshahi, Bangladesh.

### Research Publications:

Number of Papers: **06**, Total IF: **10.26** (According to ResearchGate information-2015)

1. "The Antioxidative Fraction of White Mulberry Induces Apoptosis through Regulation of p53 and NFkB". AHMK hurshidAlam, ASM Sakhawat Hossain, **Muhammad Ali Khan**, Syed RashedKabir, Md Abu Reza,

- Md. Mahbubur Rahman, Mohammad Saiful Islam, Md Aziz Abdur Rahman, Mamunur Rashid, MdGolamSadik, *PLoS ONE*, Published December 09, 2016. (Impact Factor: 3.54)
2. "In-vitro evaluation of antibacterial activity of *Tabebuia pallida* against multi-drug resistant bacteria", Md. Mahbubur Rahman, ASM Sakhawat Hossain, Muhammad Ali Khan, Md. NazmulHaque, Shahadat Hosen, Sumaiya AkterMou, AHM KhurshidAlam and AshikMosaddik. *Journal of Pharmacognosy&Phytochemistry*, November 01, 2016, 5(6), 464-467. (GIF-0.255), ICV-5.52
  3. "Comparative investigation of the free radical scavenging potential and anticancer property of *Diospyros blancoi*(Ebenaceae)" Muhammad Ali Khan, MdMahbubur Rahman, MdNazmulSardar, Md. Saiful Islam Arman, MdBadrul Islam, Md Jahangir AlamKhandakar, Mamunur Rashid, GolamSadik and A.H.M. KhurshidAlam, *Asian Pac J Trop Biomed* 2016, 6(5), 930-937. (Impact Factor: 1.70), Hosted By : Elsevier
  4. "In vivo analgesic and CNS depressant activities of antioxidative stem bark fraction of *Morus alba* L (Moraceae)"Muhammad Ali Khan, Aziz Abdur Rahman, LaizumaanNahar, MdBadrul Islam and A.H.M. KhurshidAlam, *Dhaka University Journal of Pharmaceutical Science* 2014, 13(2), 225-227. (Impact Factor: 0.52).
  5. "A comparative study on the antioxidant activity of methanolic extracts from different parts of *Morus alba* L. (Moraceae)" Muhammad Ali Khan, Aziz Abdur Rahman, Shafiqul Islam, PromaKhandokhar, ShahnajParvin, MdBadrul Islam, Moshrrrof Hossain, Mamunur Rashid, GolamSadik, ShamimaNasrin, NurulHaqueMollah and A.H.M. KhurshidAlam, *BMC Research Notes* 2013, 6, 24 (Impact Factor: 1.60). Publisher: Springer
  6. "Evaluation of antioxidant and anticancer properties of the seed extracts of *Syzygiumfruticosum*Roxb. growing in Rajshahi, Bangladesh". Shafiqul Islam, SamimaNasrin, Muhammad Ali Khan, ASM Sakhawat Hossain, Farhadul Islam, PromaKhandokhar, M NurulHaqueMollah, Mamunur Rashid, GolamSadik, Md Aziz Abdur Rahman and A.H.M. KhurshidAlam, *BMC Complementary and Alternative Medicine* 2013, 13, 142. (Impact Factor: 2.94). Publisher: Spinger

#### Oral Presentation:

1. "Polyphenolic contents and antioxidant potential of methanolic extracts from the seeds and leaves of *Syzygiumfruticosum*Rox. (Myrtaceae)".SamimaNasrin, Shafiqul Islam, Muhammad Ali Khan, Md. Abdul Aziz, Aziz Abdur Rahman, Mamunur Rashid, GolamSadik and A.H.M. KhurshidAlam, "The Role of Scientist and Technologist to Achieve MDG", 22<sup>th</sup> Bangladesh Science Conference, BCSIR, Dhaka, Bangladesh (27-29 October, 2012).
2. "Antibacterial and antioxidant properties of methanolic extract and its various fractions from the seeds of *Syzygiumfruticosum*(Roxb.)".SamimaNasrin, Shafiqul Islam, Muhammad Ali Khan, Md. Abdul Aziz, Aziz Abdur Rahman, Mamunur Rashid, GolamSadik and A.H.M. KhurshidAlam, *Green Chemistry for Sustainable Development, Jessore Science and Technology University, Jessore, 2012 (14th July), Page 52.*

#### Poster Presentation

1. "Polyphenolic contents and antioxidant potential of stem bark extracts from *Morus alba* L. (Moraceae)".Muhammad Ali Khan, Shafiqul Islam, SamimaNasrin, Sakhawat Hossain and A.H.M. KhurshidAlam, *BSBMB Conference 2013, Page 051, Chittagong University, Bangladesh.*

2. "Antioxidant, free radicals scavenging and anticancer properties of *Syzygiumfruticosum* seed extracts" Shafiqul Islam, SamimaNasrin, **Muhammad Ali Khan**, Sakhawat Hossain, FarhadulIslam, Aziz Abdur Rahman, Mamunur Rashid, GolamSadik and A.H.M. KhurshidAlam, **BSBMB Conference 2013, Page-50, Chittagong University, (12-13th January)**.
3. "A Comparative evaluation of *in vitro* antioxidant activity of methanolic extracts from different parts of *Morus alba* L. (Tut)". **Muhammad Ali Khan**, MdShafiqul Islam and A.H.M. KhurshidAlam, **4<sup>th</sup>Zoha Memorial Symposium, Rajshahi University, 2012 (15th February), Page 45.**

#### **Research Grants:**

##### **Grant-01**

Year Awarded: 2013-2014

Funding Organisation: Ministry of Science and Technology of Bangladesh.

Project Title: ***In vitro* scavenging of reactive oxidant species by natural antioxidants and their *in vivo* effects on the over expressed oncogenes and down expressed tumor suppressor genes in EAC cells-induced tumor bearing mice.**

Role: Project Director.

##### **Grant-02**

Year Awarded: 2013-2014

Funding Organisation: BangabandhuSeikhMujibur Rahman Science & Technology University (BSMRSTU) on behalf of University Grant Commission of Bangladesh.

Project Title: ***In vitro* anti-oxidant properties of natural antioxidants and their *in vivo* anti-cancer and anti-diabetic activity in experimental mice.**

Role: Project Director

#### **Current Research with Undergraduate students:**

**Project Title:** Ignorance and Indiscriminate use of antibiotics and life-threatening drugs by the mass people: A case study of GopalganjSadar, Bangladesh.

#### **Current Research with Graduate students:**

**Research Title:** Antioxidant, Antibacterial and Cytotoxic activities of medicinal plants growing in Bangladesh

#### **Award:**

Provost's Award (**Gold Medal**) based on the academic result at Undergraduate Level (Bachelor of Pharmacy).

#### **Other Activities or Relevant Information**

##### **Employment History:**

##### **Teaching Experiences:**

**Assistant Professor:** From October 25, 2015 to till date, Bangabandhu Sheikh Mujibur Rahman Science and Technology University (BSMRSTU), Gopalganj-8100, Bangladesh. (www.bsmrstu.edu.bd)

**Lecturer:** From October 07, 2012 to October 24, 2015, BSMRSTU, Gopalganj, Bangladesh.

##### **Courses Taught:**

Pharmacology, Physiology and Anatomy, Basic and Advance Organic Chemistry, Physical Pharmacy, Medicinal Chemistry, Pharmacognosy.

##### **Administrative Activity:**

**Administrative Positions:**

**Chairman** from 3<sup>rd</sup> February 2016 to January 10, 2018, at the Department of Pharmacy, BSMRSTU.

**Provost** from 13<sup>th</sup> August 2015 to 20<sup>th</sup> December 2015 at Shadhinata Dibosh Hall, BSMRSTU, Gopalganj, Bangladesh

**Assistant Proctor** from 21<sup>st</sup> August, 2014 to 12<sup>th</sup> August 2015, BSMRSTU, Gopalganj, Bangladesh

**Technical Committee member** from 30<sup>th</sup> October, 2014, to till date, BSMRSTU, Gopalganj, Bangladesh

**Training Summary:**

**In-Plant Training:**

**Title:** Four weeks training (Tablet granulation & compression, Film coating, Injection processing & filling, Packaging section, Product development work, QC & QA activities, GMP & Training, Packaging material, Storage & Technical Service department).

**Institute:** NUVISTA PHARMA LIMITED, Bangladesh.

**Mind Development and Self-Improvement Training:**

**Meditation Course:** Successfully completed (and still practicing) a meditation course named "Quantum Method Course" of four days consisting of 40 hours on 24-27<sup>th</sup> March, 2017, from YOGA FOUNDATION, Dhaka, Bangladesh. **Registration No.** 20/425.

**Language Proficiency:**

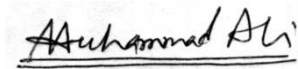
**Bangla:** Mother Tongue

**English:** IELTS Overall Band Score 6.5 (Speaking- 6.50, Writing- 6.0, Listening- 6.5, Reading-6.5).  
Test date: 12 August 2017.

**References:**

<b>Dr. A. H. M Khurshid Alam</b>	<b>Dr. Aziz Abdur Rahman</b>
Professor	Professor
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Signature



07/07/2018

Muhammad Ali Khan