

# Curriculum Vitae of Professor Doctor Mohammad Shah Amran



## **Md. Shah Amran**

B. Pharm, M. Pharm, PhD, Specialized training on PV

## **Mailing address**

Professor, Department of Pharmaceutical Chemistry,  
Faculty of Pharmacy,  
University of Dhaka,  
Dhaka-1000,  
Bangladesh.  
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Email: amranms@du.ac.bd, amdshah\_69@yahoo.com

## **Address of Father`s Home**

S/O - Late Sirajul Islam, Village - Dowati, Post Office - Palakhal, PS - Kachua, District -  
Chandpur 3633, Bangladesh.  
Mob: 0188531223 (Elder brother), 01720177189 (Younger brother).

## **Permanent address in Dhaka**

C/o. - Mr. Md. Ruhul Amin Bhuiyan, 178 (Old, 232 New) Ashkona, Post Office - Hajj Camp  
(New Airport Area), P.S. - Dakkhin Khan, Dhaka-1230, Bangladesh. Phone: 88-02-8918618.

## **Personal Information**

Date of Birth	15/06/1969
Place of Birth	Chandpur
Height	5' - 2" (1.58 Meter)

Weight 63 kg  
 Complexion Fair  
 Eye Color Black  
 Blood Group A+ (Positive)  
 Religion Islam (Sunni)  
 Interest & Hobby Voluntary social work, Writing, Reading, Listening songs

Father's Name Late Sirajul Islam  
 Mother's Name Late Zinnatun Nessa  
 Brothers 04 (Four) excluding myself  
 Sisters 03 (Three)  
 Marital status Married (Blessed with two sons and one daughter)  
 Wife Mrs. Shirotaz Begum (Housewife)  
 Son 02 (Two)  
 Daughter 01 (one)

### **Academic Records**

Name of Degree	Name of Institution	Name of Board/Univ	Year of pass	Total Marks	Marks Obtained	% of Marks	Division/Class
Specialized training on Pharmacovigilance, Delhi, India			March 03, 2019 - March 15, 2019				Certificate Awarded
Ph.D.	Dept. Pharmacology	Univ. Yamanashi, Japan	2005				Awarded
M.Pharm. (Thesis)	Dept. Pharmacy	Dhaka University	1991	600	374	64	First (3 <sup>rd</sup> position)
B. Pharm (Honors)	Dept. Pharmacy	Dhaka University	1990	1600	1025	62	First (5 <sup>th</sup> position)
HSC	Dhaka college	Dhaka	1987	1000	829	82.9	First
SSC	Palakhal High school	Comilla	1985	1000	818	81.8	First (8 <sup>th</sup> position in the combined merit list)
Primary	Dowati Govt. Primary School	Comilla	1975	1980	-	-	passed

### **Job Experience in Teaching Institution**

Name of Institution	Position	From	To
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Department of Pharmaceutical Chemistry, Dhaka University, Dhaka, Bangladesh	Professor	10/04/2013	date
Department of Pharmaceutical Chemistry, Dhaka University, Dhaka, Bangladesh	Associate Professor	04/03/2009	10/04/2013
Department of Pharmaceutical Chemistry, Dhaka University, Dhaka, Bangladesh	Assistant Professor	08/04/2007	03/03/2009
Department of Pharmacy, Rajshahi University, Rajshahi 6205, Bangladesh,	Associate Professor	07/04/2007	16/06/2005
Department of Pharmacy, Rajshahi University, Rajshahi 6205, Bangladesh,	Assistant Professor	15/06/2005	30/09/1999
Department of Pharmacy, Rajshahi University, Rajshahi 6205, Bangladesh,	Lecturer	29/9/1999	30/09/1996
Department of Pharmacy, Rajshahi University, Rajshahi 6205, Bangladesh,	House Tutor	15/10/2000	01/01/1999

### **Job Experience in Pharmaceutical Industry**

<b>Name of Institution</b>	<b>Position</b>	<b>From</b>	<b>To</b>
Chiba Geigy (In Plant Training)	In plant trainee	Six weeks	
Unique Pharma	Production Pharmacist	01/08/1995	31/12/1995
Jayson Pharma	R & D and QA Pharmacist	01/01/1996	31/01/1996
Beximco Pharma, Gazipur, Bangladesh	Production Pharmacist	05/02/1996	30/09/1996

### **Subjects taught in undergraduate and graduate level**

Introduction to Pharmacy  
 Physical Pharmacy  
 Analytical Pharmacy  
 Pharmaceutical Analysis  
 Advanced Pharmaceutical Analysis  
 Quality control, assurance, GMP and Validation  
 Pharmaceutical Regulatory Affairs

### **Research Expertise**

Conversant with the following research methodologies:

1. Recording and analysis of the whole animal ECG
2. Patch Clamp (both current and voltage clamp) techniques
3. Isolation of myocytes (cardiac)
4. Recording and analysis of Action Potential from single cells
5. Computer simulation of cardiac events
6. Recording and analysis of data using confocal microscopy
7. Electrophoresis
8. Western blotting
9. Operation of UV, IR, HPLC
10. Equilibrium dialysis techniques.
11. Herbal drug Analysis
12. Computer Aided Drug Designing (CADD)
13. Theoretically conversant with PCR, ELISA, Tissue culture, transgenic and knockout animal techniques, etc.

### **Reference**

<b>1. Dr. Md. Amjad Hossain (Retired)</b> Professor Dept. Pharmaceutical Chemistry, Faculty of Pharmacy, Dhaka University, Dhaka, Bangladesh Email: prof.amjad.du@gmail.com Phone: 88028653084 Fax: 88028615583	<b>3. Keitaro Hashimoto MD, PhD</b> Professor Emeritus Department of Clinical Pharmacy, Yokohama College of Pharmacy, Yokohama, Japan. Email: keitaroh@sb3.so-net.ne.jp Phone: 810458591300
<b>2. Atsushi SUGIYAMA, MD, PhD</b> Professor Department of Pharmacology, School of Medicine, Faculty of Medicine, Toho University 5-21-16 Omori-nishi, Ota-ku, Tokyo 143-8540, Japan Tel: +81-3-3762-4151 ext. 2361 Fax: +81-3-5493-5413 e-mail: <a href="mailto:atsushi.sugiyama@med.toho-u.ac.jp">atsushi.sugiyama@med.toho-u.ac.jp</a>	<b>4. Dr. Md. Abdur Rashid</b> Professor Dept. Pharmaceutical Chemistry, Faculty of Pharmacy, Dhaka University, Dhaka, Bangladesh Email: rashid_phdu@yahoo.com Phone: 88028650736 Fax: 88028615583
<b>5. Dr. Nazmul Quis</b>	

Professor Dept. Clinical Pharmacy and Pharmacology, Faculty of Pharmacy, Dhaka University, Dhaka, Bangladesh Email: nquais@yahoo.com Phone: 88029127518 Mobile: 01714417750 Fax: 88028615583	
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### **Awards and Scholarships**

1. Chancellor's Award for excellent result in SSC
2. MONBUSHO KAGAKU scholarship by Government of Japan during PhD
3. Dhaka University Scholarship during M.Pharm
4. Dhaka University Scholarship during B. Pharm
5. Dhaka Board Scholarship (Talent pool)
6. Comilla Board Scholarship at College level (Board Scholarship)
7. Junior Scholarship at High School level (Talent pool)
8. Primary Scholarship at Primary School level (Talent pool)

### **Member of Professional Bodies**

1. Bangladesh Pharmaceutical Society (BPS)
2. Pharmacy Graduate Association (PGA)
3. Bangladesh Chemical Society (BCS)
4. Asiatic Network of Research on Antidiabetic Plants (ANRAP)
6. Dhaka University Teachers Association (DUTA)
7. Life member, Japanese Universities Alumni Association Bangladesh (JUAAB)
8. Asiatic Society of Bangladesh.
9. Member, Board of Editors, Bangladesh Pharmaceutical Journal

### **Countries visited**

Japan, USA, Malaysia, India, KSA.

## **List of Publications**

### **List of published Books - 14**

14. Md. Shahabuddin and **Md. Shah Amran**, Comprehensive MCQ's in Pharmacology, NOVA press, USA, 2019.
13. ফার্মেসী ও স্বাস্থ্যসেবা, মো. শাহ এমরান (সম্পাদক), শোভা প্রকাশ, ঢাকা, ২০১৯। (Pharmacy and Healthcare, A reference book for the students of Pharmacy, working

- Pharmacists and general readers in Bengali version)
12. **Md. Shah Amran** and Shirotaz Begum, Math for our children, Published by Krishnachura Publications, Central Road, Dhaka-1205, Dhaka, Bangladesh, January, **2019**.  
(A book for children of primary school level).
  11. Md. Sahab Uddin, **Md. Shah Amran**, Handbook of Research on Critical Examinations of Neurodegenerative Disorders, IGI Global: New York, **2018**.
  10. **Md. Shah Amran** and Shirotaz Begum, English for our children, Published by Krishnachura Publications, Central Road, Dhaka-1205, Dhaka, Bangladesh, January, **2017**.  
(A book for children of primary school level).
  9. **Md. Shah Amran** and Md. Sahabuddin (Prince), Comprehensive Pharmacology Review, Published by Krishnachura Publications, Central Road, Dhaka-1205, Dhaka, Bangladesh, June **2014**.  
(A text book on MCQs of Pharmacology for the Bachelor of Pharmacy students in English version).
  8. **Md. Shah Amran**, Jagche manuch Jagche manobota, Published by Krishnachura Publications, Central Road, Dhaka-1205, Dhaka, Bangladesh, January, **2014**.  
(A book on the selected published articles in Bangla).
  7. **Md. Shah Amran** and Shirotaz Begum, Adorshalipi o Borno Porichoy, Published by Krishnachura Publications, Central Road, Dhaka-1205, Dhaka, Bangladesh, January, **2014**.  
(A book for children of primary school level).
  6. Md. Abdur Rashid, Md. Al Amin Sikder and **Md. Shah Amran**, Quick Pharmacy Review, Ashrafia boighar, Dhaka, 1<sup>st</sup> edition, November, **2013**.  
(A text book for the Bachelor of Pharmacy students in English version)
  5. Md. Abdul Latif, Md. Ruhul Amin Choudhury and **Md. Shah Amran**, *Chandpurer Kachua Upazellar Itihas-Oitirjya*, Published by Krishnachura Publications, Central Road, Dhaka-1205, Dhaka, **August 2013**.  
(A book on the History and Traditions of Kachua Upazella of district Chandpur).
  4. **Md. Shah Amran**, *Pharmaceutical Regulatory Affairs and Standards*, Published by Krishnachura Publications, Central Road, Dhaka-1205, Dhaka, Bangladesh, **October 2012**.  
(A text book for the Bachelor of Pharmacy students in English version).
  3. **Md. Shah Amran** and Md. Abdul Latif, *Muktijuddhe Chandpurer Kachua Upazella*, Published by Krishnachura Publications, Central Road, Dhaka-1205, Dhaka, Bangladesh, **August 2011**.  
(A book on the war of liberation of Bangladesh in 1971 at Kachua of district Chandpur).
  2. **Md. Shah Amran**, *Introduction to Pharmacy*, Published by Krishnachura Publications, Central Road, Dhaka-1205, Dhaka, Bangladesh, **December-2010**,  
2<sup>nd</sup> edition in **2015**.  
(A text book for the Bachelor of Pharmacy students in English version).
  1. **Md. Shah Amran** (Editor), *Pharmacy, Pharmaceutical Sector and healthcare*, Published by Shova Publications, Bangla Bazar, Dhaka, Bangladesh, **February-2009**.  
(A reference book for the Bachelor of Pharmacy students in Bengali version).

## List of Dissertations

**Dissertation: 02**

2. Effects of sodium-calcium exchange inhibitors, KB-R7943 and SEA0400, on aconitine-induced arrhythmias in guinea pigs in vivo, in vitro, and in computer simulation studies. Submitted to Department of Pharmacology, University of Yamanashi, Yamanashi, Japan, **2005**.

**- Leading to Ph.D degree.**

1. A study on the in vitro interactions of diltiazem HCl with omeprazole, ranitidine and ferrous sulphate and their effects on the protein binding of diltiazem HCl. Submitted to Department of Pharmacy, University of Dhaka, Dhaka, Bangladesh, **1991**.

**- Leading to M. Pharm degree.**

## **List of Research Articles - 99**

**Research Articles:**

99 (International: 64, National: 35)

### **2019**

100. মো. শাহ এমরান ও মো. আকতার হোসেন, ফার্মাকোভিজিলেন্স ও বাংলাদেশ প্রেক্ষাপট, বাংলা একাডেমি বিজ্ঞান পত্রিকা (নব পর্যায়), বর্ষ ১, সংখ্যা-১, জুলাই-ডিসেম্বর-২০১৯।
99. Md. Aknur Rahman, Md. Akter Hossain, Md. Monirul Islam, Md. Aslam Hossain and **Md. Shah Amran**, Primary Health Care in Netrokona Sadar Upazila - A Case Study on Expanded Program on Immunization, *American Journal of Health Research*, **2019**; X(X): XX-XX (Accepted).
98. Md. Aknur Rahman, Sauda Sumaya Dina, Md. Monirul Islam, Jakir Ahmed Chowdhury, Shaila Kabir, Abu Asad Choudhury and **Md. Shah Amran**, The study of availability, affordability and price variation of essential antibiotics in Bangladesh, *Biomed Pharmacol J.*, 12(4), 1811-1826, **2019**.
97. Zahirul Islam, Md. Rafat Tahsin, Ahmad Ullah Faisal, Tanzia Islam Tithi, Tasnova Tasnim Nova, Tahmina Sharif Nila, Md. Zobayer Hossain Gorapi, Faisal Ahmed Nadvi, Tasneem Nayla Mridula, Abu Asad Choudhury, Jakir Ahmed Chowdhury, Shaila Kabir and **Md. Shah Amran.**, *In vivo* Assessment of Antidiabetic Potential and Mapping of Pharmacological Properties of Ethanolic Extract of Leaves of *Coccinia grandis* on Alloxan-induced Diabetic Rats, *Asian Journal of Advanced Research and Reports*, 7(2): 1-9, **2019**.
96. Md. Aktar Hossain and **Md. Shah Amran**, A Cross Sectional Study on Pharmacovigilance to Improve the Drug Safety in Bangladesh, *Biomed Pharmacol J.*, 12(3), 1039-1049, **2019**.
95. Rehana Begum, Md. Zakir Sultan, Jakir Ahmed Chowdhury and **Md. Shah Amran**, In vitro Pharmaceutical Equivalence Study of Three Brands of Atenolol Tablets Available in Bangladesh, *Dhaka Univ. J. Pharm. Sci.* 18(1): 43-48, **2019**, (June). DOI: <https://doi.org/10.3329/dujps.v18i1.41426>
94. Md. Sahab Uddin, Md. Tanvir Kabir, Md. Jakaria, Abdullah Al Mamun, Kamal Niaz, **Md. Shah Amran**, George E. Barreto, Ghulam Md Ashraf., NMDA receptor antagonists:

Repositioning of Memantine as multitargeting agent for Alzheimer's therapy, Current Pharmaceutical design, **2019**

93. Md. Sahab Uddin, Md. Tanvir Kabir, Md. Jakaria, Abdullah Al Mamun, Kamal Niaz, **Md. Shah Amran**, George E. Barreto, Ghulam Md Ashraf, Endothelial PPAR $\gamma$  Is Crucial for Averting Age-Related Vascular Dysfunction by Stalling Oxidative Stress and ROCK, Neurotoxicity Research. <https://doi.org/10.1007/s12640-019-00047-5>

**2018**

92. Md. Assadik Alam, Md. Sahab Uddin, G.M. Sala Uddin, Farzana Yasmin Swapna and Md. Shah Amran, Examining the Linkage of Academic Performance and Attention by Uddin's Numeral Finding and Typo Revealing Tests: A Cross Sectional Pilot Study in Undergraduate Students of Bangladesh, Journal of Intellectual Disability - Diagnosis and Treatment, **2018**, Volume 6, No. 4, 01-07.
91. Sharmin Zafar, Refaya Rezwan, Jakir Ahmed Chowdhury, Abu Asad Chowdhury, Shaila Kabir, Mohammad Abdur Rashid and **Mohammad Shah Amran**, Biochemical and electrophysiological mechanisms of cardiovascular activity of ayurvedic preparation 'arjunarista' in rat model, European Journal of Pharmaceutical and Medical Research, 5(10), 2018. (Accepted)
90. Md. Riadh Hasan Rana, **Md. Shah Amran**, Abu Asad Chowdhury, Antitumor and cytotoxic effect of different partitionates of methanol extract of *Trema orientalis*: A preliminary in-vitro study, J. Ayurveda& Integrated Med., 3(4), **2018**.
89. Uddin MS, Amran MS, Cannabinoid Hyperemesis: An Erratic Syndrome Linked with Cannabis Abuse. J Psychiatry, 2018, 21(2): 1-2.

**2017**

88. Md. Sahab Uddin, Abdullah Al Mamun, Md. Tanvir Kabir, Md. Nasrullah, Ferdous Wahid, Mst. Marium Begum, Zubair Khalid Labu, Md. Sohanur Rahman, Md. Tanjir Islam, **Md. Shah Amran** and Mohamed M. Abdel-Daim; Neurochemistry of Neurochemicals: Messengers of Brain, Functions, *Journal of Intellectual Disability - Diagnosis and Treatment*, 5, 137-151, **2017**.
87. Jinnat Ruksana Setu, Ayesha Akhter, Ratna Rahman, Moriam Islam, Maviya Naznin Koly, **Md. Shah Amran** and Tahira Foyzun, Study on Antioxidant and Cytotoxic Activities of Methanolic and Ethyl Acetate Extracts of Peel and Seed of *Diospyros blancoi*, *Annual Research & Review in Biology*, 21(5): 1-9, **2017**.
86. Abdullah-Al-Mamun, Sabiha Ferdousy Koly, Md. Mukter Hossain, Sirajum Munra, Sonia Zaman and **Md. Shah Amran**, Investigation of phytochemical screening and analgesic activity of different extracts of *Cuscuta chittagongensis* leaves, World J Pharmaceutical Res., 6 (16), 11-19, **2017**.
85. Md. Taimuzzaman Sharif, Shahana Jahan, Kamrun Nahar, Most. Shammi Rahman, Md. Musfequr Rahman Shajjad, Abu Asad Chowdhury, Mohammad A. Rashid and **Mohammad Shah Amran**, Cardiovascular Activities of an Ayurvedic Preparation Amalaki Rasayan in Rat Model, Bangladesh Pharmaceutical Journal, 20(2): 158-165, **2017**.
84. Refaya Rezwan, Sharmin Zafar, Md. Shafiullah Shajib, Jakir Ahmed Chowdhury, Abu Asad Chowdhury, Shaila Kabir, Mohammad Abdur Rashid and **Mohammad Shah Amran**,



- Effect of ayurvedic preparation 'Mrityunjay' in digoxin induced arrhythmic rats, *African J pharmacy & Pharmacology* 11(35), pp. 441-450, **2017**.
83. Md. Mamun-Or-Rashid, Ashiqul Islam, Dr. Md. Shah Amran and Dr. Md. Aslam Hossain, Evaluation of Analgesic Activity by Acetic Acid Induced Writhing Method of Crude Extracts of *Acacia nilotica*, *Scholars Academic Journal of Pharmacy (SAJP)*, Sch. Acad. J. Pharm., 6(4): 126-138, **2017**.
  82. Md. Mamun-Or-Rashid, Md. Shah Amran, Md. Aslam Hossain, Evaluation of Anti-diarrheal Activity of Crude Extracts and Different Fractions of Stem Bark and Fruits of *Oroxylum indicum*, *International Journal of Photochemistry and Photobiology*, 2(2): 49-54, **2017**.
  81. Md. Mamun-Or-Rashid, Ashiqul Islam, Md. Shah Amran, Md. Aslam Hossain, Antimicrobial effect of crude extracts and different fractions of bark of *Acacia nilotica*, *Scientific Research Journal (SCRJ)*, Volume V (III), **2017**
  80. Studies of Anti-arrhythmic and Hypercholesterolemic Activities of Ayurvedic Preparation 'Lauhasab' in Rat Model, Refaya Rezwan, Sharmin Zafar, Abu Asad Chowdhury, Shaila Kabir, Mohammad Abdur Rashid and **Mohammad Shah Amran**, *Dhaka Univ. J. Pharm Sci.*, 16(1):95105-81, **2017**.
  79. Autophagic Dysfunction in Type 2 Diabetes Mellitus: Pathophysiology and Therapeutic Implications, Md. Tanjir Islam, Md. Sahab Uddin, Kamrun Nahar Lucky, Md. Manjurul Islam, Sheik Md. Saiful Islam, Md. Tanvir Kabir, Md. Farhad Hossain, Abdullah Al Mamun and **Md. Shah Amran**, *J Diabetas Metab* **2017**, 8:5 (DOI: 10.4172/2155-6156.1000742).
  78. Pharmacovigilance Practice for Safety of Medication System in Bangladesh, Nusrat Jahan, Md. Akter Hossain, Md. Aslam Hossain and **Md. Shah Amran**, *Bangladesh Pharmaceutical Journal* 20(1): 105-114, **2017**.
- 2016**
77. In vitro analysis of the interaction between ketorolac tromethamine and bovine serum albumin using fluorescence spectroscopy. Kanij Nahar Deepa, Md. Zakir Sultan, **Md. Shah Amran** and Shaila Kabir, *J adv Med Pharm Sci*, 10(1), 1-8, **2016**.
  76. Fluorescence spectroscopic analysis of the interaction between omeprazole and bovine serum albumin, Kanij Nahar Deepa, Shaila Kabir and **Md. Shah Amran**, *World journal of pharmacy and pharmaceutical sciences*, volume 5, issue 9, 16-25, **2016**. DOI: 10.20959/wjpps20169-7533
  75. Internet Addiction Disorder and Its Pathogenicity to Psychological Distress and Depression among University Students: A Cross-Sectional Pilot Study in Bangladesh., Md. Sahab Uddin, Abdullah Al Mamun, Mohammed Ashraful Iqbal, Md. Nasrullah, Md. Asaduzzaman, Md. Shahid Sarwar, **Md. Shah Amran**, *Psychology*, 2016, 7, 1126-1137 Published Online July **2016** in SciRes. <http://www.scirp.org/journal/psych> <http://dx.doi.org/10.4236/psych.2016.78113>.
  74. In vivo Studies of Protein Binding of Ketorolac in Rat Model by UV-VIS Spectrophotometry and High Performance Liquid Chromatographic Methods, S. M. Rezaul Karim, Sabiha Ferdowsy Koly, **Md. Shah Amran** and Shaila Kabir, *Dhaka Univ. J. Pharm. Sci.* 15(1): 63-67, **2016** (June)
  73. Evaluation of Nootropic Activity of *Persicaria flaccida* on Cognitive Performance, Brain Antioxidant Markers and Acetylcholinesterase Activity in Rats: Implication for the

Management of Alzheimer's Disease, Md. Sahab Uddin, Md. Nasrullah, Md. Sarwar Hossain, Md. Mosiqur Rahman, Md. Shahid Sarwar, **Md. Shah Amran**, Md. Golam Sadik, Mamunur Rashid, Md. Asaduzzaman, American Journal of Psychiatry and Neuroscience, 4(2), **2016**, 26-37

72. Pharmacopoeial Standards and Specifications for Pharmaceutical Oral Liquid Preparations, Md. Sahab Uddin, Abdullah Al Mamun, Nahia Akter, Md. Shahid Sarwar, Mamunur Rashid and **Md. Shah Amran**, Archives of Current Research International 3(2): 1-12, **2016**. [Article no.ACRI.22675 ISSN: 2454-7077]
71. Assessment of Risk Involved in the Combination Medicine of Paracetamol and Caffeine, Md. Sahab Uddin, Md. Waliullah Wali, Abdullah Al Mamun, Md. Asaduzzaman, **Md. Shah Amran** and Mamunur Rashid, Journal of Advances in Medical and Pharmaceutical Sciences, 5(3): 1-8, **2016**.

### **2015**

70. Analysis of aceclofenac and bovine serum albumin interaction using fluorescence quenching method for predictive, preventive, and personalized medicine, Sabiha Ferdowsy Koly, Sangita Paul Kundu, Shaila Kabir, **Mohammad Shah Amran**, and Md. Zakir Sultan, EPMA J. 2015; 6: 24. Published online **2015**. [Dec 14. doi: 10.1186/s13167-015-0047-x]
69. An In Vitro Study of Binding of Aceclofenac and Pantoprazole with Bovine Serum Albumin by UV Spectroscopic Method, Sabiha Ferdowsy Koly, Md. Zakir Sultan, Asma Rahman, Shaila Kabir and **Mohammad Shah Amran**, J Pharm Sci Emerg Drugs **2015**, 3:2.
68. The Study of Analgesic Activity of Complexes of Magnesium Sulfate with Aspirin, Paracetamol and Naproxen, Sangita Paul Kundu, Md. Zakir Sultan, Asma Rahman, Sagar Kumar Paul, Satabdi Shikder, Shampa Kundu, **Md. Shah Amran** and Md. Amjad Hossain, *Clin Pharmacol Biopharm*, **2015**, 4:3.
67. The Pharmacokinetic Study of Aspirin, Paracetamol and Naproxen with Magnesium Sulfate, **Shah Amran**, Sabiha Ferdowsy Koly, Sangita Paul Kundu, Abu Asad Chowdhury, Amjad Hossain<sup>1</sup>, Zakir Sultan, Asma Rahman, Sagar Kumar Paul, Satabdi Shikder, Tasneem Nayla Mredula and Shampa Kundu, *Pharm Anal Acta*, 6:5, 2-8, **2015**. [http://dx.doi.org/10.4172/2153-2435.1000372].
66. Evaluation of some physicochemical properties as quality control parameters of an ayurvedic preparation "Khadirarishta", Kamrun Nahar, Most. Shammi Rahman, Md. Musfaqur Rahman Sajjad, Md. Taimuzzaman Sharif, Md. Zakir Sultan, Nur Jaharat Lubna, Abu Asad Chowdhury, Shaila Kabir, **Mohammad Shah Amran**, *European Journal of Preventive Medicine*; 3(2): 17-21, **2015**
65. Evaluation of Cardiovascular Activities of an Ayurvedic Preparation "Khadirarishta" in Rat model, Md. Musfaqur Rahman Sajjad, Md. Taimuzzaman Sharif, Kaniz Nahar Deepa, Kamrun Nahar, Most. Shammi Rahman, Md. Yeunus Mian, Asma Rahman, Md. Zakir Sultan, Shaila Kabir, Abu Asad Chowdhury, **Mohammad Shah Amran**, *European Journal of Pharmaceutical and Medical Research*, 2(2), 223-234, **2015**

### **2014**

64. An in vitro study on the complexation of phenoxymethyl penicillin potassium and phenytoin, Sagar Kumar Paul, Md. Zakir Sultan, Shotabdi Sikder, Sangita Paul Kundu, Shampa Kundu, Asma Rahman, Md. Yeunus Mian, Md. Sarwar Hossain, Nur Jaharat

- Lubna, **Md. Shah Amran**, *Journal of Medicinal Chemistry and Drug Discovery*, **5**, 33-42, **2014**.
63. Rehana Begum, Md. Zakir Sultan, Asma Rahman, Md. Akter Hossain, **Md. Shah Amran**; The in-vitro pharmaceutical equivalence studies of losartan tablets of different manufacturers available in Bangladesh, *International Journal of Pharmacy*, 4(4), 128-132, **2014**.
62. Md. Tauhid-Ul Islam, Md. Abdus Samad Bhuiyan, Md. Musfequr Rahman Shajjad, Md. Taimuzzaman Sharif, Md. Zakir Sultan, Asma Rahman, Md. Akter Hossain, Abu Asad Chowdhury and **Mohammad Shah Amran**; A Study of Prophylactic Effect Against Diabetes of Two Ayurvedic Drugs 'Jambadyarista' and 'Bohumutratak Ras' in Normal as well as Alloxan-induced Diabetic Rats, *British Journal of Pharmaceutical Research*, 4(16): 1945-1955, **2014**.
61. Kanij Nahar Deepa, Md. Khalid Hossain, **Md. Shah Amran**, Saila Kabir, In vitro model for studying interactions between ketorolac and omeprazole with bovine serum albumin by UV-spectroscopic method, *Bangladesh Pharmaceutical Journal*, 17(1): 92-98, **2014**.
- 2013**
60. Shuvashis Saha, Rehana Begum, Asma Rahman, Md. Zakir Sultan, **Md. Shah Amran** and Md. Amjad Hossain, Evaluation of in vitro Interaction of Metformin with Ibuprofen in Aqueous Medium, *Bangladesh Pharmaceutical Journal*, 16(2): 189-194, **2013**.
59. **Md. Shah Amran**, and Md. Najmul Islam, A Study on the Packaging Information of Antibiotic Drugs available in Bangladesh, *Bangladesh Pharmaceutical Journal*, **16**(2): 171-176, **2013**.
58. **Mohammad Shah Amran**, Mohammad Zakir Sultan, Asma Rahman, Mohammad A. Rashid, Study of the antidiabetic effect in alloxan induced diabetic rats of the isolated compounds from the kernel of *Mangifera indica*, *Dhaka Univ. J. Pharm Sci.*, 12(1):77-81, **2013**.
57. Md. Ahasan Ullah Nayon, Jeb-Un Nesa, Md. Nasir Uddin, **Md. Shah Amran**, Umme Bushra, Development and validation of UV Spectrometric Method for the Determination of Cefixime trihydrate in Bulk and Pharmaceutical Formulation., *Asian Journal of Biomedical and Pharmaceutical Sciences*, 3(22), 1-5, **2013**.
56. Most. Shammi Rahman, Shahana Jahan, Kamrun Nahar, Nazia Islam, Danis Rahman, Ridwan Bin Rashid, Abu Asad Chowdhury, Rebecca Banoo, **Mohammad Shah Amran**, Evaluation of Cardiovascular Activity of an Ayurvedic Product 'Mrityunjay' in Rat Model, *Bangladesh Pharmaceutical Journal*, 16(1), 99-105, **2013**.

**2012**

55. Shuvashis Saha, Rehana Begum, Md. Zakir Sultan, Md. Shah Amran and Md. Amjad Hossain, In vitro Interaction of Metformin with Diclofenac in aqueous medium, *Dhaka Univ. J. Pharm Sci.*, 11(2):109-114, **2012**.
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5. **Md. Shah Amran** and Md. Amjad Hossain. Influence of ferrous sulphate on the protein binding of diltiazem in vitro. *J Bangladesh Academy of Science.* **23 (2)**:125-131, **1999**.
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### **Seminars, Symposiums and Conference (With/without Journal Proceedings) participated Conference Papers - 37**

#### **2019**

37. Bangladesh Chemical Society Conference: **November 09-10, 2019**, organized by Rajshahi University, Rajshahi, Bangladesh.

#### **2018**

36. 1<sup>st</sup> National Symposium on **Herbal Medicine : New approaches to validation and Quality Control**, March 03, **2018**, organized by BNPS at SUB, Dhaka, Bangladesh.
35. Mohammad Shah Amran, Md. Abu Sufian, Anik Biswas, Shanjida Islam, Jinnat Ruksana Setu, Ratna Rahman, Moriam Islam, Abu Asad Choudhury, Shaila Kabir, Md. Abdur Rashid, Evaluation of Cardiovascular Activity of extracts of *Terminalia arjuna* and *Trigonella foenum-graecum* in Rat Model, ISE-SFEC-2018, 13-15 January, **2018**, Nabab Nawab Ali Chowdhury Senate Bhaban, University of Dhaka, Dhaka, Bangladesh.

#### **2017**

34. Taimuzzaman Sharif, Md. Musfaqur Rahman Sajjad, Refaya Rezwan, Sharmin Zafar, Abu Asad Chowdhury, Shaila Kabir, Md. Abdur Rashid and Mohammad Shah Amran **“Cardiovascular (Hypolipidemic) Activities of an Ayurvedic Preparation Amalaki Rasayan in Rat Model**, 4th Convention of Society for Ethnopharmacology and National Symposium on “Ashwagandha held on 09-10 September **2017** at Jadavpur University, Jadavpur, Kolkata, India.
33. 4th Convention of Society for Ethnopharmacology and National Symposium on “Ashwagandha” held on 09-10 September **2017** at Jadavpur University, Jadavpur,



Kolkata, India.

32. ISE SFEC National Conference 2017 - "Drug Discovery and Development from Natural Sources", 21 May **2017**, Nabab Nawab Ali Chowdhury Senate Bhaban, University of Dhaka, Bangladesh.
31. Investigation of Anti-arrhythmic and Hypercholesterolemic Activities of Ayurvedic Preparation 'Lauhasab' in rat model, Refaya Rezwan, Sharmin Zafar, Abu Asad Chowdhury, Shaila Kabir, Md. Abdur Rashid and Mohammad Shah Amran, 3rd International Conference on Advances in Medical Science, Innovation and Research: The Key to Better Healthcare, 19 - 20 April **2017**, Marina Bay, Putrajaya Malaysia.
30. Evaluation of Cardiovascular Activity of an Ayurvedic preparation 'Arjunarista' in Rat Model, **Mohammad Shah Amran**, Sharmin Zafar, Refaya Rezwan, Nazia Islam, Abu Asad Choudhury, Shaila Kabir, Md. Abdur Rashid, 4<sup>th</sup> International Congress of Society for Ethnopharmacology, India, SFEC, 23-25 February, **2017**, held in Gujrat, India (Poster).

#### **2016**

29. Md. Mohiuddin, **Md. Shah Amran**, Md. Amjad Hossain. In vitro effects of Glipizide and gliclazide on the protein binding and plasma concentration of ibuprofen, Bangladesh Chemical Congress, 16th ASIAN CHEMICAL CONGRESS (16ACC) March 16-19, **2016**, Dhaka, Bangladesh. (oral)

#### **2015**

28. **S Amran**, The study of cellular and molecular activity of an Ayurvedic product 'Mrityunjay' in rat model, 1st DRDC International Conference, Bangladesh University of Health Sciences (BUHS) Dhaka, Bangladesh, 3-6 Oct **2015** (Oral)
27. R Rezwan, S Zafar, AA Chowdhury, S Kabir, **MS Amran**, Investigation of cellular and molecular mechanism of the cardiovascular activity of two ayurvedic preparations Asokarista and Lauhasab in rodent model, 1st DRDC International Conference, Bangladesh University of Health Sciences (BUHS) Dhaka, Bangladesh, 3-6 Oct **2015** (Oral)

#### **2014**

26. **Md. Shah Amran**, Md. Musfaqur Rahman Sajjad, Md. Taimuzzaman Sharif, Md. Tauhid-UI Islam, Md. Abdus Samad Bhuiyan, Md. Sarwar Hossain, Abu Asad Choudhury and Shaila Kabir, Herbal Drugs Confer Immunological Action. 3<sup>rd</sup> AYUNS Conference, 29 November, **2014**, Dhaka, Bangladesh. (Oral)
25. Md. Taimuzzaman Sharif, Md. Musfaqur Rahman Sajjad, Sharmin Zafar, Refaya Rezwan, Tasneem Nayla Mredula, Abu Asad Choudhury, Shaila Kabir and **Md. Shah Amran**, Pharmacological and Toxicological Investigation of Amalaki Rasayan and Mrityunjay as Herbal Drugs for the Antidiabetic and Cardiovascular Properties. 3<sup>rd</sup> AYUNS Conference, 29 November, **2014**, Dhaka, Bangladesh.
24. Md. Musfaqur Rahman Sajjad, Md. Taimuzzaman Sharif, Sharmin Zafar, Refaya Rezwan, Tasneem Nayla Mredula, Abu Asad Choudhury, Shaila Kabir and **Md. Shah Amran**, Pharmacological and Toxicological Investigation of Khadirarista and Jambadiarista as Herbal drugs for the Cardiovascular and Antidiabetic Properties. 3<sup>rd</sup> AYUNS Conference, 29 November, **2014**, Dhaka, Bangladesh.

23. Rehana Begum, Md. Zakir Sultan, Asma Rahman, **Md. Shah Amran**, Studies of losartan tablets of different manufacturers available in Bangladesh, 3<sup>rd</sup> AYUNS Conference, 29 November, 2014, Dhaka, Bangladesh.
22. Tasneem Nayla Mredula, Md. Taimuzzaman Sharif, Md. Musfaqur Rahman Sajjad, Abu Asad Choudhury and **Md. Shah Amran**, A study on prophylactic effect against diabetes of polyherbal drug mixture in normal as well as alloxan induced diabetic rats, 3<sup>rd</sup> AYUNS Conference, 29 November, 2014, Dhaka, Bangladesh. (Oral)

### 2013

21. Evaluation of Cardiovascular Activity of an Ayurvedic Product ‘Khadirarista’ in Rat Model, Kamrun Nahar, Shahana Jahan, Most. Shammi Rahman, Nazia Islam, Danis Rahman, Md. Abdur Rashid, **Mohammad Shah Amran**, 2<sup>nd</sup> AYUNS Conference, 26 January, 2013, Dhaka, Bangladesh
20. Evaluation of Cardiovascular Activity of an Ayurvedic Product ‘Amlaki Rashayan’ in Rat Model, Shahana Jahan, Kamrun Nahar, Most. Shammi Rahman, Nazia Islam, Danis Rahman, Md. Abdur Rashid, **Mohammad Shah Amran**, 2<sup>nd</sup> AYUNS Conference, 26 January, 2013, Dhaka, Bangladesh
19. Evaluation of Cardiovascular Activity of an Ayurvedic preparation ‘Arjunarista’ in Rat Model, Nazia Islam, Kamrun Nahar, Shahana Jahan, Most. Shammi Rahman, Danis Rahman, **Mohammad Shah Amran**, Md. Abdur Rashid. 2<sup>nd</sup> AYUNS Conference, 26 January, 2013, Dhaka, Bangladesh
18. Evaluation of Cardiovascular Activity of an Ayurvedic Product ‘Mrityunjay’ in Rat Model, Most. Shammi Rahman, Shahana Jahan, Kamrun Nahar, Nazia Islam, Danis Rahman, Md. Abdur Rashid, **Mohammad Shah Amran**, 2<sup>nd</sup> AYUNS Conference, 26 January, 2013, Dhaka, Bangladesh
17. Evaluation of Cardiovascular Activity of an Ayurvedic Preparation ‘Maha-Draksharista’ in Rat Model, Farhana Ahmed, **Mohammad Shah Amran**, Danis Rahman, Md. Abdur Rashid, Sohan Sarker, Sumya Yesmin, Md Saydul Islam. 2<sup>nd</sup> AYUNS Conference, 26 January, 2013, Dhaka, Bangladesh
16. Evaluation of Cardiovascular Activity of an Ayurvedic Preparation ‘Lakshnarista’ in Rat Model, Md Saydul Islam, **Mohammad Shah Amran**, Danis Rahman, Md. Abdur Rashid, Sohan Sarker, Farhana Ahmed, Sumya Yesmin. 2<sup>nd</sup> AYUNS Conference, 26 January, 2013, Dhaka, Bangladesh
15. Evaluation of Cardiovascular Activity of an Ayurvedic Preparation ‘Kanakasav’ in Rat Model, Danis Rahman, **Mohammad Shah Amran**, Nayma Abedin, M. S. K. Choudhuri, Md. Abdur Rashid. 2<sup>nd</sup> AYUNS Conference, 26 January, 2013, Dhaka, Bangladesh
14. Evaluation of Cardiovascular Activity of an Ayurvedic Preparation ‘Chandanasav’ in Rat Model, Danis Rahman, **Mohammad Shah Amran**, M. S. K. Choudhuri, Md. Abdur Rashid. 2<sup>nd</sup> AYUNS Conference, 26 January, 2013, Dhaka, Bangladesh
13. Evaluation of Cardiovascular Activity of an Ayurvedic Preparation ‘Dasamularista’ in Rat Model, **Mohammad Shah Amran**, Danis Rahman, M. S. K. Choudhuri, Md. Abdur Rashid. 2<sup>nd</sup> AYUNS Conference, 26 January, 2013, Dhaka, Bangladesh
12. Evaluation of Cardiovascular Activity of an Ayurvedic Preparation ‘Ashokarista’ in Rat Model, **Mohammad Shah Amran**, Danis Rahman, Nayma Abedin, M. S. K. Choudhuri, Md. Abdur Rashid. 2<sup>nd</sup> AYUNS Conference, 26 January, 2013, Dhaka, Bangladesh

11. Evaluation of Cardiovascular Activity of an Ayurvedic Preparation 'Amrita' in Rat Model, Sohan Sarker, **Mohammad Shah Amran**, Danis Rahman, Md. Abdur Rashid, Farhana Ahmed, Sumya Yesmin, Md Saydul Islam. 2<sup>nd</sup> AYUNS Conference, 26 January, 2013, Dhaka, Bangladesh
10. A Study of Antidiabetic Activity of Ayurvedic drug 'Jambadyarista' in Alloxan-Induced Diabetic Rats, Md. Abdus Samad Bhuiyan, Touhidul Islam, **Mohammad Shah Amran**, Danis Rahman, Md. Abdur Rashid. 2<sup>nd</sup> AYUNS Conference, 26 January, 2013, Dhaka, Bangladesh
9. Evaluation of Cardiovascular Activity of an Ayurvedic Preparation 'Vrahmi Rasayan' in Rat Model, Touhidul Islam, Md. Abdus Samad Bhuiyan, **Mohammad Shah Amran**, Danis Rahman, Md. Abdur Rashid. 2<sup>nd</sup> AYUNS Conference, 26 January, 2013, Dhaka, Bangladesh
8. Evaluation of Cardiovascular Activity of an Ayurvedic Preparation 'Vrahmi Rasayan' in Rat Model, Touhidul Islam, Md. Abdus Samad Bhuiyan, **Mohammad Shah Amran**, Danis Rahman, Md. Abdur Rashid. 2<sup>nd</sup> AYUNS Conference, 26 January, 2013, Dhaka, Bangladesh
7. Evaluation of Cardiovascular Activity of an Ayurvedic Preparation 'Abhayarista' in Rat Model, Sumya Yesmin, **Mohammad Shah Amran**, Danis Rahman, Md. Abdur Rashid, Farhana Ahmed, Sohan Sarker, Md Saydul Islam. 2<sup>nd</sup> AYUNS Conference, 26 January, 2013, Dhaka, Bangladesh

#### 2009

6. **Md. Shah Amran**, In vitro effects of Glipizide and gliclazide on the protein binding and plasma concentration of ibuprofen, Bangladesh Chemical Congress, January 30-February 01, 2009, Dhaka, Bangladesh. (oral)

#### 2007

5. Nobuo Homma, **Md. Shah Amran**, An analysis of the membrane unstability in inherited arrhythmias and imaginary treatment by computer simulation, JMCC, DOI: <http://dx.doi.org/10.1016/j.yjmcc.2007.03.003>, June 2007, Volume 42, Issue 6, Supplement, Page S1, Beijing, China. (oral)

#### 2004

4. Experimental Arrhythmia model and computer simulation action potential study on Andersen syndrome. **Mohammad Shah Amran**, N Homma, K Hashimoto, Journal of Pharmacological Sciences, March 8-10, Osaka, Japan, 2004.

#### 2002

3. Delayed after potentials (DADs) and triggered activity in single guinea-pig ventricular myocytes induced by the modification of sodium channels and the inhibition of the sodium-potassium pump, **Mohammad Shah Amran**, N Homma, K Hashimoto, Japanese Journal of Pharmacology, March 13-15, Kumamoto, Japan, 2002.
2. Effect of KBR-7943, Na-Ca exchange inhibitor, on aconitine induced electrical abnormality in guinea-pig single ventricular myocytes, **Mohammad Shah Amran**, N Homma, K Hashimoto, The Pharmacologist, San Francisco, USA, July 7-12, 2002.

#### 1999

1. **Mohammad Shah Amran**, Pharmacological basis of the effects of arsenic poisoning  
(Presented in the National Workshop on Arsenic pollution in Bangladesh: Its causes, effects and mitigation, June 27-28, **1999**, Rajshahi) (Oral)

## **Training Courses / Workshop participated - 18**

18. Advance Research in Sciences (GARE) program workshop, BANBEIS, Ministry of Education, Dhaka, December 03, **2019**.
17. Plagiarism: Ethical Aspects & Remedy in Higher Education Workshop, 26 October, **2019**; Centre of Excellence in Teaching and Learning (CoETL), Dhaka University.
16. Specialized training on Pharmacovigilance, Delhi, **India**, March 03-15, **2019** (Certificate Awarded).
15. Two (2) day training on “Measurement of blood pressure by POWER LAB instrument by invasive method” and “Separation and characterization of cardiac proteins by Electrophoresis and Western blotting method” on 25/09/2017 to 26/09/2017 at University Sains Malaysia (USM), Penang Campus, Penang, **Malaysia**.
14. Training program on Computer Aided Drug Design, August 11-13, **2017**, held by The Red-Green Computing Centre 218 Elephant Road, Dhaka-1205, Bangladesh <http://grc-bd.org/>
13. 4<sup>th</sup> International Congress of Society for Ethnopharmacology, India, SFEC, 23-25 February, **2017**, held in Gujrat, **India**.
12. Second International Conference on Biosafety & Biosecurity, 7-8 December **2016**, held in Dhaka, **Bangladesh**.
11. Workshop on “NASIC-UiTM workshop on drug Development from indigenous Plants in developing countries”, 04-07 October, **2016**, held in Malaysia (Atta-ur-Rahman Institute for Natural Product Discovery Universiti Teknologi MARA, Puncak Alam, Selangor, **Malaysia**).
10. Workshop on “Identification of marker compound in herbal raw materials using Thin Layer Chromatography (TLC)”, 28-29 February and 1 March, **2016**, held in Center for Advanced Research in Sciences (CARS), University of Dhaka, Dhaka, **Bangladesh**.
9. Workshop on ‘Project Monitoring Information Management System (PMIS) for Sub-Project Managers’, Organized by HEQP, UGC, Agargaon, Dhaka, **Bangladesh**, January 27, **2016**.
8. Public procurement management and electronic government procurement (e-GP), Munshigonj, **Bangladesh**, (HEQEP and ESCB), 21-24 October, **2014**.
7. Public procurement under HEQEP, UGC, Sher-e-Bangla Nagar, Dhaka, September 24-26, **2014**.
6. Academic Innovation Fund (AIF), June, **2011**, UGC, Sher-e-Bangla Nagar, Dhaka, **Bangladesh**.
5. Total quality and excellence in education: Role of students’ Quality control circles, Dhaka, **Bangladesh**, 02 June, **2000**.
4. Total Quality Management (TQM), Dhaka, **Bangladesh**, 8-12 July, **2000**.
3. Six week long in-plant training in the Ciba Geigy (at present, Novartis Pharmaceuticals Ltd.), Tongi, Gazipur, **Bangladesh**, **1992**.
2. Three day long training on “Pharmaceutical Marketing” organized by Bangladesh

Pharmaceutical Society, Dhaka, **Bangladesh, 1990.**

1. 45 (forty five) day long field level training on the work procedure of “GRAMEEN BANK” in Chakoria, Cox’sbazar, **Bangladesh, 1987.**

### **Articles on Pharmacy and Health published in the Newspapers**

1. ISO 9000-The language of quality. The daily Bangladesh Observer, December 5-6, 1997
2. Nutritional requirements of infants and breastfeeding, The independent, September 06, 1999
3. War against poliomyelitis. The independent, November 01, 1999
4. Pharmacological basis of the effects of arsenic poisoning (Presented in the National Workshop on Arsenic pollution in Bangladesh: Its causes, effects and mitigation, June 27-28, 1999, Rajshahi)
5. Recognize Professor Emeritus Dr. M. Abdul Jabbar as National Professor, The independent, March 05, 2002  
(<http://www.independent-bangladesh.com/news/mar/05/05032002lt.htm>)
6. Jute has great prospects-An economic boom is possible, The independent, October 13, 2002  
(<http://independent-bangladesh.com/news/oct/13/13102002pd.htm>)
7. Trade-related aspects of intellectual property rights (TRIPS) and the pharmaceutical sector of Bangladesh. The daily Bangladesh Observer, April 29-30, 2003.
8. The quality and price of Indian pharmaceutical products available in Bangladesh, The weekly Jaijaidin, 2003
9. Pharmacy as education and profession. As cover page in the Magazine of the daily Bangladesh Observer, November 07, 2003.
10. Save our Pharmaceutical Industry (Appeared in the website-www.sodalap.com at 2004)
11. How to combat spurious, substandard and counterfeit drugs? (The daily Naya diganta, November 14, 15, 18, 26; 2005, in Bangla)
12. Smoking and Health, The Monthly Nirjhor, March-April, May, 2006.

## **Research Grants Awarded**

<b>Sl.</b>	<b>Title of the project and Funding agency</b>	<b>year</b>
8	The in-vivo assessment of antidiabetic property of extract of leaves of <i>Gynura procumbens</i> in rats [LS20191133] Ministry of Education (GARE Project), Dated: 28/11/2019. Ref.: নং- ৩৭.২০.০০০০.০০৪.০৩৩.০২০.২০১৬.	2019-2021
7	The study of price variations, availability and affordability of selected medicines in Bangladesh. <b>University of Dhaka (Smarok number-Regi/Admin-3/65743-45, Dated: 28/03/2019).</b>	2018-2019
6	Pharmacological and toxicological (safety) studies of cardioactive Ayurvedic drugs available in Bangladesh <b>Ministry of Science and Technology</b> <b>Ref.:39.009.002.01.00.057.2015-2016/922/MEDI;S-90</b>	2015-2016
5	Evaluation of pharmacological and toxicological activities at cellular	2014-

	and molecular level of selected cardioactive Ayurvedic drugs available in Bangladesh. <b>HEQEP Project (C.P. No.: 3258)</b> <b>University Grants Commission of Bangladesh and World Bank.</b>	2017
4	Evaluation of Cellular and Molecular Mechanism of the Cardiovascular Activity of an Ayurvedic Preparation Mritunjay in Rat Model by Recoding ECG Parameters and Protein Expression by Western Blotting Technique, <b>University Grants Commission of Bangladesh (6(75/UGC/RSP/BIKA/BIO(10)/2013/4229), 2013-2014.</b>	2013-2014
3	Pharmacological and toxicological studies of antidiabetic and cardioprotective herbal medicines available in Bangladesh. The World academy of sciences, <b>Ref: 12-172 RG/BIO/AS_G; UNESCO FR; 12-172 RG/BIO/AS_G (Trieste, Italy)</b>	2012-13
2	The isolation and purification of active components from different fractions of <i>Mangifera indica</i> extract, and the study of the antidiabetic effect of the isolate components in alloxan induced diabetic rats and comparison of such effects with marketed antidiabetic products. <b>University Grants Commission of Bangladesh (6(75/UGC/B&amp;P/BIKA/BIO(2)/2008-09/11236)</b>	2010-11
1	A Study on the Packaging Information of Antibiotic Drugs, Food (Powdered Milk for Infants) and Toiletries (Beauty Creams/Lotions) available in Bangladesh. <b>Bangladesh Medical Research Council (BMRC/HNPSP-RP/2008-09/776(1-86)</b>	2008-09

## Research Collaboration with Foreign Universities

### 1. Atsushi SUGIYAMA, MD, PhD

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**5. Professor Dr. Pulok K Mukharjee**

School of Natural Products

Jadavpur Universiti

Kolkata

India.

**B. Pharm 5<sup>th</sup> year Project Students, M.Pharm, M.Phil, and  
Ph.D Students supervised and Co-supervised /  
Supervising**

**B. Pharm 4<sup>th</sup> and 5<sup>th</sup> year Project Students**

Sl.	Name of Students	Title of Research	Year of enrollment
7	M. Muin Sadeque	Yet to assign	2019
6	Md. Sabbir Hossain	Yet to assign	2019
5	Efazul Haque	Yet to assign	2019
4	Sauda Sumaiya Dina	The study of Availability, Affordability and Price Variation of Essential Antibiotics in Bangladesh	2018
3	Monirul Islam	Price Variations, Availability and Affordability of Selected Medicines in Bangladesh	2017
2	Nusrat Jahan	A study of Pharmacovigilance practice in Bangladesh	2016
1	Md. Imtiaz	An overview of antipsychotic drugs	2015

### M. Pharm

Sl.	Name of Students	Title of Research	Year of enrollment
17	Zunayed Ahmed	Chemical Investigation of <i>Gynura procumbens</i> .	2020
16	Md. GiasUddin	Assessment of obesity reduction by yogurt derived products.	2019
15	Mafruha Kumkum	The evaluation of anti-diabetic and lipid lowering activities of ethanolic extract of <i>Nigella sativa</i> in rat model.	2018
14	Subrot Majumdar	In vitro evaluation of drug-drug interaction potential between Ketorolac tromethamine and Cefixime trihydrate.	2018
13	Abu Sufian	Study of quality control matters and cellular & molecular mechanism of two herbs in rat model.	2017
12	Sharmin Zafar	Study of cellular and molecular mechanism of the cardiovascular activity of two Ayurvedic preparations ARJUNARISTA and BRAHMORASAYAN in rat model.	2015
11	Md. Taimuzzaman Sharif	Pharmacological and Toxicological Investigation of Amalaki Rasayan and Mrityunjay as Herbal Drugs for the Antidiabetic and Cardiovascular Properties.	2014
10	Md. Mosfaqur Rahman Sajjad	Pharmacological and Toxicological Investigation of Khadirarista and Jambadiarista as Herbal drugs for the Cardiovascular and Antidiabetic Properties.	2014
9	Sabiha Ferdousy Koly	An <i>in vitro</i> Study of Binding of Aceclofenac and Pantoprazole with Bovine Serum Albumin by UV Spectroscopic Method	2013



8	Mamunur Rashid	Evaluation of antidiabetic effects of an Ayurvedic drug “Bahumuntrantak Ras” in alloxan induced diabetic rats and evaluation of cardiovascular effects of “digoxin” on rats	2012
7	Minhaj Uddin	The study of drug-metal complexation among aspirin, omeprazole and diclofenac sodium with magnesium and copper, and ECG analysis of pure aspirin and aspirin - magnesium complex in rats	2011
6	Moshiur Rahman (Likhon)	A Study of the cardiovascular activity of Glimepiride- Naproxen & Glimepiride-Atenolol complex and some Ayurvedic preparations	2011
5	Mohammad Rumman Hossain	Analysis of Lomefloxacin by High Performance Liquid Chromatography.	2010
4	Muhammad Rezwanul Ahsan	The study of <i>in Vitro</i> Interaction of Ciprofloxacin with Paracetamol and Zinc in Aqueous Medium.	2009
3	Mohammad Naim	A comparative study of antidiabetic activity of hexane-extract of lemon peel ( <i>Limon citrus</i> ) and glimepiride in alloxan-induced diabetic rats.	2008
2	M. Sarwar Hossain (RU)	Antidiabetic and Glycogenesis Effects of Different Fractions of Ethanolic Extract of Leaves of <i>Mangifera indica</i> (Linn.) in Normal and Alloxan Induced Diabetic Rats.	2007
1	Naznin Ara (RU)	Comparison of hypotensive and hypolipidemic effects of Catharanthus roseus leaves extract with atenolol on adrenaline induced hypertensive rats.	2006
<b>M. Phil</b>			
			<b>Year of enrollment</b>
6	Mickel Datta (JU)	Characterization of isolated bioactive phytochemicals from some available medicinal plants and evaluation of their biological activities.	2011
5	Danis Rahman (JU)	A study of the cardiovascular activity of selected Ayurvedic preparation in rat model.	2011 [Withdrawn]
4	Kanij Nahar Deepa	Pharmacological and toxicological investigation of Asokarista, Dasamularista & Kanakasab as antidiabetic and Mrittunjoy,	2013 (Converted to PhD)

		Arjunarista & Amloki rasayan as cardioprotective herbal medicines available in Bangladesh	
3	Mumita Meskat	Pharmaceutical equivalence and stability studies of selected antihypertensive drugs manufactured in Bangladesh <i>in vitro</i> and <i>in vivo</i> in rats	Withdrawn
2	Rehana Begum	Pharmaceutical equivalence and stability studies of some antihypertensive drugs manufactured in Bangladesh <i>in vitro</i> and <i>in vivo</i> in rats	2011-2012 (Converted to PhD)
1	Sangita Paul Kundu	A study on the complexation of magnesium with aspirin, paracetamol and naproxen and observation of pharmacokinetic and pharmacological parameters there to (Degree Awarded)	2010-2014 (Awarded)
<b>PhD</b>			
7	Kanij Nahar Deepa	Pharmacological and toxicological investigation of Asokarista, Dasamularista & Kanakasab as antidiabetic and Mrittunjoy, Arjunarista & Amloki rasayan as cardioprotective herbal medicines available in Bangladesh	2018 -
6	Rehana Begum	Pharmaceutical equivalence and stability studies of some antihypertensive drugs manufactured in Bangladesh <i>in vitro</i> and <i>in vivo</i> in rats	2014- (Converted to PhD)
5	Sabiha Ferdousy Koli	Development of sustainable method for the Quality Control of traditional medicines on the basis of phytoequivalence and chemical fingerprinting.	2013-
4	Md. Aktar Hossain	Impact of Pharmacovigilance in pharmaceutical Industry to improve the drug regulation in Bangladesh.	2013-18 (Awarded)
3	Aknur Rahman	Transforming Health and Drug Policies of Bangladesh into Reality to Ensure Health for All : Role of Public Servants.	2014-....
2	Md. Ariful Haque Mamun	A multi-dimensional approach towards rational use of drug and its impact on health sector of southern region of Bangladesh.	2009-10

1	Mohammad Mohiuddin	The Potentiation and broadening the effect of low molecular hypoglycemic drugs through interaction with some CNS stimulant molecules (Degree Awarded).	2008-2009 (Awarded)