

## CURRICULUM VITAE

# Khondker Ayesha Akter, Ph. D.

**Nationality:** Bangladeshi

**Date of Birth:** January 17 1983

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### Profile

- ❖ Self-confident & being positive.
- ❖ Ability to manage time & being flexible.
- ❖ Ability to work efficiently under pressure & fulfill deadlines.
- ❖ Willing to accept responsibility & perform accordingly.
- ❖ Ability to work in teams & maintain effective communication (both oral & written)

### Work Experience

04/2006 - 12/2006 Product Executive, **SK+F Pharmaceutical Ltd. Bangladesh**

09/2006 - 09/2007 Research Trainee, **ICDDR**, Bangladesh

01/2008 - 02/2010 Lecturer, Pharmacy Department, **Northern University**, Bangladesh

03/2010 - 01/2012 Senior Lecturer, Pharmacy Department, **Northern University**, Bangladesh

01/2012 - 03/2012 Assistant Professor, Pharmacy Department, **Northern University**, Bangladesh

04/2016 – till now Assistant Professor, Department of Pharmaceutical Sciences, **North South University**, Bangladesh

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Education	
1997	Secondary School Certificate, Pabna Govt. Girls' High School First Division (10 <sup>th</sup> position in Female group, Rajshahi Board) (88.8%)
1999	Higher Secondary School Certificate, Pabna Govt. Women's' College First Division (2 <sup>nd</sup> position in Female group, Rajshahi Board) (89.7%)
07/2000 - 06/2003	Bachelor of Pharmacy, Department of Pharmacy, <b>University of Dhaka</b> 1 <sup>st</sup> class 4 <sup>th</sup> in order of merit (71.16%)
07/2003 - 06/2004	Master of Pharmacy, Department of Clinical Pharmacy and Pharmacology, <b>University of Dhaka</b> 1 <sup>st</sup> class 4 <sup>th</sup> in order of merit (69.5%)
04/2012– 09/2012	A research student, <b>Nagoya University Graduate School of Medicine,</b> Japan
10/2012 – 03/2016	A doctoral student, <b>Nagoya University Graduate School of Medicine,</b> Japan Division of Cancer Pharmacology <ul style="list-style-type: none"> <li>• Thesis: UBE2S is associated with malignant characteristics of breast cancer cells. <i>Tumor Biology</i>. 2016 Jan; 37(1):763-72. doi: 10.1007/s13277-015-3863-7. Epub 2015 Aug 6.</li> </ul>
03/2016	Ph.D. degree
Skills	
Languages	English, Japanese, Bengali (native)
Computer and IT	MS office Application, SPSS
Scientific Skills	
<b>Molecular Biology :</b> Gene cloning, PCR, DNA sequencing, Site-directed mutagenesis, mRNA extraction, Reverse transfection, RT PCR	
<b>Biochemistry :</b> Protein isolation and purification, In vitro protein binding assay, Immunoprecipitation, Western blot analysis, In vitro translation and methylation assay	
<b>Cell Biology:</b> Cell culture, Transfection, Immunocytochemistry, Confocal microscope, Virus infection for establishment of stable expression, Cell line knockdown experiment by siRNA and shRNA	

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## Animal Experiment:

Mouse and Rat handling

## Publication list

1. Ozeki K, Sugiyama M, Akter **KA**, Nishiwaki K, Asano E, Senga T. FAM98A is localized to stress granules and associates with multiple stress granule-localized proteins. *Mol Cell Biochem*. 2018. <https://doi.org/10.1007/s11010-018-3397-6>
2. **Akter KA**, Mansour MA, Hyodo T, Senga T. FAM98A associates with DDX1-C14orf166-FAM98B in a novel complex involved in colorectal cancer progression. *Int J Biochem cell biol*. 2017 Mar; 84:1-13. doi: 10.1016/j.biocel.2016.12.013
3. Mansour MA, Hyodo T, **Akter KA**, Kokuryo T, Uehara K, Nagino M, Senga T. SATB1 and SATB2 play opposing role in c-Myc expression and colorectal cancer progression. *Oncotarget*. 2016 Jan 26; 7(4):4993-5006. doi: 10.18632/oncotarget.6651
4. **Akter KA**, Mansour MA, Hyodo T, Ito S, Hamaguchi M, Senga T. FAM98A is a novel substrate of PRMT1 required for tumor cell migration, invasion and colony formation. *Tumour Biol*. 2016 Apr; 37(4):4531-9. doi: 10.1007/s13277-015-4310-5. Epub 2015 Oct 27
5. **Akter KA**, Hyodo T, Asano E, Sato N, Mansour MA, Ito S, Hamaguchi M, Senga T. UBE2S is associated with malignant characteristics of breast cancer cells. *Tumor Biology*. 2016 Jan; 37(1):763-72. doi: 10.1007/s13277-015-3863-7. Epub 2015 Aug 6
6. Mansour MA, Asano E, Hyodo T, **Akter KA**, Takahashi M, Hamaguchi M, Senga T. Special AT-rich sequence-binding protein 2 suppresses invadopodia formation in HCT 116 cells via palladin inhibition. *Exp Cell Res*. 2015, Mar 1; 332(1):78-88. doi: 10.1016
7. Chowdhury MM, Ullah MA, Iqbal N, Al Maruf A, Shohag MH, Harun S, **Akter KA**, Begum B, Latif AH, Hasnat A. Relative bioavailability and pharmacokinetic study of two trimetazidine modified release formulations in healthy Bangladeshi male volunteers. *Arzneimittelforschung*. 2011;61(7):393-8

## Meeting List

1. 09/19. LMCE 2019 & KSLM 60<sup>th</sup> Annual Meeting  
Busan, South Korea: Oral Presentation.  
Effect of Amloki powder (*Phyllanthus emblica*) supplementation on inflammation and oxidative stress in carbon tetrachloride induced hepatic dysfunction.

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2. 01/18. ISE-SFEC 2018.

Dhaka, Bangladesh: Poster Presentation.

Inflammatory cells infiltration, oxidative stress and fibrosis were prevented by lotkon peel powder supplementation in carbon tetrachloride administered ovariectomized rats.

3. 04/17. International Conference on Genomics, Nanotech & Bioengineering.

Dhaka, Bangladesh: Poster Presentation.

A significant positive correlation exists between PRMT1 and FAM98A expression in CRC

4. 02/16. The 8<sup>th</sup> Nagoya Global Retreat.

Obu, Japan: Oral Presentation

UBE2S is associated with malignant characteristics of breast cancer cells.

5. 02/16. The 8<sup>th</sup> Nagoya Global Retreat.

Obu, Japan: Poster Presentation

UBE2S is associated with malignant characteristics of breast cancer cells.

6. 12/15. The 38<sup>th</sup> Annual meeting of the Molecular Biology Society of Japan.

Kobe, Japan: Poster Presentation

UBE2S is associated with malignant characteristics of breast cancer cells.

### Awards and Scholarships

- Received Research Grant as Principal Investigator from North South University (2018- 2019)
- Received Research Grant as Principal Investigator from North South University (2016- 2017)
- Received the Presidential Certificate on behalf of the Ph.D. students of medicine of Nagoya University at the graduation ceremony.
- Monbukagakusho Scholarship from Japan Government to pursue Doctoral Course.
- Merit order Scholarship throughout the 4 Years' study of B. Pharm in Dhaka University.
- 2<sup>nd</sup> in First grade in Junior Scholarship in Rajshahi Board.
- 3<sup>rd</sup> in First grade in Primary Scholarship in Rajshahi Board.

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## References

1. Dr. Takeshi Senga M.D., Ph.D.  
Associate Professor, Division of Cancer Biology, Nagoya University Graduate School of Medicine  
65 Tsurumai, Showa, Nagoya, AICHI 466-8550, Japan  
[tsenga@med.nagoya-u.ac.jp](mailto:tsenga@med.nagoya-u.ac.jp)  
Ph: 81-52-744-2076
2. Dr. Hiroshi Kimura M.D., Ph.D.  
Professor, Division of Molecular Virology, Nagoya University Graduate School of Medicine  
65 Tsurumai, Showa, Nagoya, AICHI 466-8550, Japan  
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