



# AHALYA SHANKOR DAS

Prospective Master's Student

## ADDRESS

House-45, New Eskaton Road, Building-D,  
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Dhaka G.P.O, Ramna,  
Dhaka – 1000, Bangladesh

## CONTACT

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## SKILLS

MS Word

MS Excel

Power Point

Analytical Skills

Cell and Molecular Biology

Research & Development

Communication skills

## WORKSHOPS & SEMINARS

- Attended the National Seminar on Clinical Research 'Present Scenario in Pharmacovigilance and Clinical Trials', at K.P. Basu Memorial Hall, Jadavpur University, Kolkata, India on 17/02/ 2018

## SOCIAL SERVICE

- Received the Certificate of Appreciation of the humanitarian act for donating blood voluntarily at Blood Donation Camp, Organized by Jadavpur University and NSS JU in association with State Govt. Hospital Blood Bank. (02/ 2018)
- Provided free education to students and children from the slum areas for their benefit (2015 – 2016).

## EDUCATION

### Bachelor of Pharmacy (Pharmaceutical Technology)

Jadavpur University, India  
CGPA: 6.52/10.00 (Course Duration: 07/2016 – 07/2020)  
Bachelor's Thesis: Bioequivalence and its Significance in Drug Formulations  
Supervisor: Dr. Biswajit Mukherjee Email: biswajit55@yahoo.com

### Higher Secondary Certificate Examination (HSC), Dhaka Board

Viqarunnisa Noon School & College, Bangladesh  
GPA: 5.0/5.0 (Completion Year: 2015)

### Secondary School Certificate Examination (SSC), Dhaka Board

Viqarunnisa Noon School & College, Bangladesh  
GPA: 5.0/5.0 (Completion Year: 2013)

### Junior School Certificate Examination (JSC), Dhaka Board

Viqarunnisa Noon School & College, Bangladesh  
GPA: 4.86/5.0 (Completion Year: 2010)

## RESEARCH PROJECTS

### Title: Practical Training on HPLC, GC and IR-Spectroscopy.

Location: National Institute of Pharmaceutical Education and Research (NIPER), S.A.S Nagar, India

Duration: 11/06/2018 – 20/06/2018

Team Size: 9

Individual Role:

- Learnt the techniques of analytical weighing and aliquot sampling
- Received hands on experience in the operations of HPLC, GC and IR-Spectrometer based on the Standard Operating Procedure (SOP)
- Extensive literature search on mechanisms of operation of analytical instruments and corresponding methods of quantitative calculation.

### Title: Synthesis of Biomimetic Hydroxyapatite Nanocomposites for Bone Repair and Dental Applications

Location: CSIR-National Metallurgical Laboratory, Jamshedpur, India

Duration: 06/2019

Supervisor: Dr. Suprabha Nayar

Brief Description:

Email: nayar@nmlindia.org

To construct a definite and feasible technique for the synthesis of Biomimetic Hydroxyapatite Composites based on the chemical reactions and processes carried out during the synthesis, where the synthesized white nanoparticles of hydroxyapatite were found to show the specific repairment properties when used in bone and teeth.

Individual Role:

- Performed this research work under the supervision of Dr. Suprabha Nayar and Ms. Sneha Mukherjee (Research Fellow).
- During the in-situ synthesis of the Hydroxyapatite particles, the XRD pattern of the nanosized particles in Poly Vinyl Alcohol gel have been studied, and the SEM micrograph of in-situ synthesized microporous Poly Vinyl Alcohol composite along with the TEM micrograph exhibiting monodispersed and nanosized Hydroxyapatite particles in a Poly Vinyl Alcohol Matrix have been analyzed.
- Hence, during this project I gained expertise and significant competence in the synthetic methodology of development of Hydroxyapatite and its analysis.

## HOBBIES

- Classical Dance
- Fashion designing
- Travel
- Abstract Art

## AWARDS

- Awarded the Winner of Folk Dance in the Cultural section of the *National Children's Prize Competition*, 2010, representing Dhaka District. – 03/ 2010.
- Awarded the Certificate of Appreciation for my Performance in a Dance Recital at *India House, Dhaka*, organized by the *Indira Gandhi Cultural Centre, High Commission of India, Dhaka*. – 14/05/2016.
- Awarded the Certificate of Excellence in Co-Curricular Activities, Viqarunnisa Noon School, for receiving the 1<sup>st</sup> Position in Classical Dance and 2<sup>nd</sup> Position in Folk Dance in the year 2014.
- Awarded the Certificate of Excellence in Co-Curricular Activities, Viqarunnisa Noon School, for receiving the Overall Runners up Position, from among all students between Grade 1 to 12.
- Secured First position, in the General Dance and 3<sup>rd</sup> Position in Classical Dance, in the *Educational and Cultural Festival 2010-2011*, Organized by: *Concerted Efforts to Promote Quality Education*.
- Stood First in the event *Ghoongrooz* (Eastern Dance Duet), at *Sanskriti'18* – National Dance Competition, held at Jadavpur University, Kolkata, India – 03/2018

## RESEARCH PROJECTS

### Title: Study of Pharmaceutical Products using FT-IR, UV-Visible and Raman Spectroscopy

Location: CSIR-National Metallurgical Laboratory, Jamshedpur, India

Duration: 06/2019

Supervisor: Dr. Trilochan Mishra

Individual Role:

Email: tmishrar@nmlindia.org

- Received hands on experience in the operations of UV-Visible Spectrometer and FT-IR, based on the SOP
- Estimation of purity of marketed drugs: Amoxycilin, Paracetamol & Cetrizine in comparison to the reference standards
- Literature study on concepts of purity analysis and working principle of spectroscopic techniques.

## WORK EXPERIENCE

### Mendine Pharmaceuticals Pvt. Ltd - Student Trainee

India

01/07/19–16/07/19

Team Size: 4

Individual Role:

- Received an overview of the QA, in process QC parameters and regulations of working as per GMP guidelines
- Received an outline of pharmaceutical validation and manufacturing processes in an industry
- Assisted in formulation of tablets in the manufacturing department.

### AID Academy – Tutor

Bangladesh

2015–2016

Individual Role: Worked as a teacher of AID Academy, where I was involved in teaching the students of Grade 11 and 12.

## ACADEMIC ACHIEVEMENTS

- Awarded **Govt. of India Scholarship** by the **Indian Council for Cultural Relations (ICCR), High Commission of India**, for pursuing my B. Pharm Course at Jadavpur University, Kolkata, India; under Bangladesh Scholarship Scheme 2016-17.
- Recipient of the **Certificate of Excellence** for obtaining GPA 5.00/5.00 in the Higher Secondary Certificate Examination (HSC) – 2015.
- Recipient of the **Certificate of Excellence** for obtaining GPA 5.00/5.00 in the Secondary School Certificate Examination (SSC) – 2013.
- Recipient of the **Certificate for Young Adults, At the Intermediate (B1) Level with British Council, Bangladesh** for doing a course in public speaking and communication skills (04/2013 – 05/2013).