

## MD. KAUSAR AHMED

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### Academic Qualification

Exam Title	Major	Institute	Result	Pas. Year	Duration	Achievement
MS	Chemistry	Shahjalal University of Science & Technology	CGPA: <b>3.96</b> out of 4 ( <b>79.20%</b> marks)	2014	1.5 years	<b>First</b> position in MS with research project  National science and technology( <b>NST</b> ) fellowship -2015
Honors	Chemistry	Shahjalal University of Science & Technology	CGPA: <b>3.78</b> out of 4 ( <b>76.60%</b> marks)	2012	4 years	<b>First</b> position in B.Sc. (Honors) with research project
HSC	Science	Shahid Syed Nazrul Islam College	GPA: 4.90 out of 5	2007	2 years	
SSC	Science	Patuli Rahmatullah High School	GPA: 4.81 out of 5	2005	2 years	

### Publication

- **Conjugated Platinum Poly-Ynes With Extended Arylene Ethynyls**, Masnun Naher, Shawon Shahriar Mehdi, **Md. Kausar Ahmed**, Md. Mostafijur Rahman, Mohammad Mizanur Rahman Khan and Muhammad Younus\*, *Journal of Bangladesh Academy of Sciences*.

### Conference Publications

- **Synthesis of Platinum Poly-Ynes with Extended Phenylene Ethynyls**, **Md. Kausar Ahmed**, Masnun Naher, Shawon Shahriar Mehdi and Muhammad Younus\*, *16<sup>th</sup> Asian Chemical Congress*, Dhaka, Bangladesh.
- **Introduction of Transition Metal into Conjugated Poly-ynes**, Masnun Naher, Shawon Shahriar Mehdi, **Md. Kausar Ahmed**, Md. Mostafijur Rahman and Muhammad Younus\*, *International Conference on Material Chemistry*, Shahjalal University of Science and Technology, Bangladesh.
- **Synthesis and Identification of Biphenylene Containing Liquid Crystalline Compounds**, Kazi Shakawat Hossain, Salhed Ahmed, **Md. Kausar Ahmed**, Mohammad Mizanur Rahman Khan and Muhammad Younus\*, *International Conference on Material Chemistry*, Shahjalal University of Science and Technology, Bangladesh.

## Award and Scholarship

- Shahjalal University of Science and Technology Merit Grand for academic result in **1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>** and **4<sup>th</sup>** year BSc (Hons) Examination
- Shahjalal University of Science and Technology Merit Grand for BSc (Hons) result (2012)

## Training and Workshop Summary

Training/Workshop Title	Topic	Duration	Institute
Chemical Analysis and Quality Control	Quality control & productivity, Industrial application of classical analysis, Analysis of industrial water, Quality testing methods in food & pharmaceutical industries, Spectrometric methods of analysis, Chromatographic methods of analysis, Quality analysis methods in process industries	March, 2014(one month)	Training Institute of Chemical Industries( <b>TICI</b> ), Polash, Narsingdi
Instrumental Training	Gel permeation chromatography(GPC)	17 June-18 June, 2015	Shahjalal University of Science and Technology, Sylhet
	FTIR, UV-Visible spectrophotometer	17 June-18 June, 2015	
	Polarized optical microscope (POM), Differential scanning calorimeter (DSC), Thermogravimetric analyzer(TGA)	27 May-28 May, 2015	
Workshop	Gaussian 9 for Computation in Chemistry	06 October-07 October, 2015	Shahjalal University of Science and Technology, Sylhet
	Photoluminescence Measurements of Conjugated Materials	05 September-06 September, 2015	
	Liquid Crystal Phase Identification	25 May-26 May, 2015	
	Elucidation of the Structure of Materials by Spectroscopic Techniques	01 April-03 April, 2014	
Field work(Industrial Tour)	Ammonia plant, Fertilizer production, Gas chromatography.	May, 2011 (one day)	Natural Gas Fertilizer Factory Ltd., Fenchuganj, Sylhet

## Instrumental Skills

- High performance liquid chromatography (HPLC)
- Gel permeation chromatography (GPC)
- FTIR
- UV-Visible spectrophotometer
- Fluorescent Spectrophotometer
- Thermo gravimetric analyzer (TGA)
- Differential scanning calorimetry (DSC)

## Specialization

Field of Specialization	Description
<ul style="list-style-type: none"><li>Scientific Research</li></ul>	2.5 years research experience in the field of " <b>Material Chemistry</b> " (synthesize and characterization of polymers) in synthetic chemistry research laboratory, Dept. of Chemistry, Shahjalal University of Science and Technology, Sylhet.

## Language Proficiency

Language	Reading	Writing	Speaking
English	High	Medium	Medium
Bangla	High	Medium	High

## Personal Details

Father's Name : MD. ABDUS SATTAR  
Mother's Name : RAUSONARA KHATUN  
Date of Birth : May 12, 1990  
Gender : Male  
Marital Status : Single  
Nationality : Bangladeshi  
National Id No. : 19906119419000182  
Religion : Islam  
Permanent Address : Village: Beara, Post Office: Aulianagar, Police Station: Trishal, District: Mymensingh  
Current Location : Sylhet

## Reference

Name : **Professor Muhammad Younus**  
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