



LUMS

Create  
your own Future

# SYED BABAR ALI SCHOOL OF SCIENCE AND ENGINEERING (SBASSE)



**CHEMISTRY**

#MERITMATTERS



## WHY CHEMISTRY?

An outstanding academic environment at the Department of Chemistry upholds Chemistry as an integrated subject sans the traditional boundaries. The diverse group of research-active faculty members at the department, in addition to traditional areas of chemical sciences, work on interdisciplinary research projects interfacing Chemistry with various fields, including Biology, Medicine, Physics, Environmental and Material Science and Engineering.

Our ethos is to produce world-class and socially responsible individuals by providing them an excellent academic environment that combines high-quality, innovative and intellectually challenging curriculum, research, scholarship and service to the society.

## PROGRAMMES OFFERED

- MS
- PhD

## RESEARCH OPPORTUNITIES

- MS & PhD students are exposed to a research environment supported by international collaborations with prominent national and international research groups in USA, UK, Germany, Switzerland, Turkey, China and Saudi Arabia
- Extensive research programmes in the fields of Nanoscience & Nanomedicine, Cancer Therapeutics, Drug Discovery & Delivery, Synthetic Organic Chemistry, Green Chemistry & Catalysis, Renewable Energy, Polymers & Nanocomposites, Organometallic Chemistry, Electronic Materials, Natural Product Chemistry, Biomass Conversion and Environmental Chemistry
- Students work closely with faculty who have published research articles in highly prestigious and high impact international journals including Nature, Nature Materials, Advanced Materials, Angewandte Chemie Int. Ed., Journal of the American Chemical Society, Nano Letters, ACS Journal of Medicinal Chemistry etc.





## Generous Tuition Fee Waivers for all MS Basic Sciences Students

- 45% for new students
- 50% for returning students

100% scholarship for PhD students



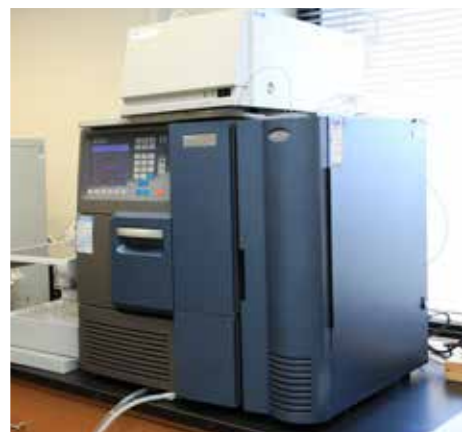
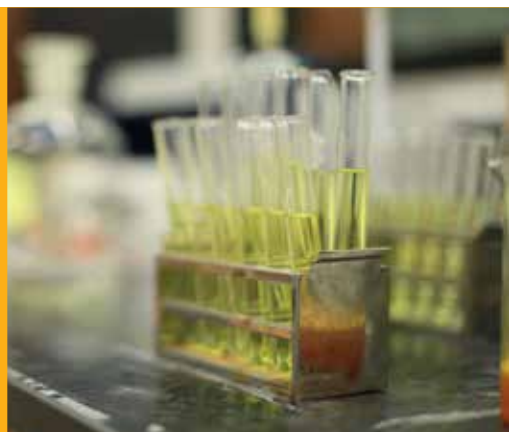
## FACILITIES

- State-of-the-art labs include latest experimental facilities and equipment
- Labs include a vast collection of equipment including spectroscopic, structural and materials characterisation tools
- Students have access to advanced technology platforms and high-tech equipment, currently unavailable anywhere else in Pakistan



## CAREER OPPORTUNITIES

- Our graduates of 2016 have been accepted in fully funded PhD programmes at top International Universities
- Our graduates are in high demand in the academic sector of Pakistan



**Muhammad  
Abdullah**  
MS Chemistry,  
2015



*“LUMS gave me the freedom to explore various avenues of intellectual pursuit. Its well-furnished, fully equipped labs are testament to the thriving research culture at the Chemistry Department. All this is supported by a great campus life and a dedicated world-class faculty.”*

**Fiaz Ahmed**  
MS Chemistry,  
2015



*“I had always dreamt of getting higher education from the world's best institutes and my MS degree in Chemistry from LUMS has paved the path for this dream to become a reality. I now have offers for fully funded PhD programmes from a couple of top ranked universities of USA.”*

## ADMISSION CRITERIA

Admission is purely merit-based and rests solely on the following criteria:

- Academic record
- GRE or LUMS Graduate Admission Test Performance\*
- Interview performance (if and where applicable)
- Completed online application form along with all supporting documents

\* For admission test details, visit: <https://admission.lums.edu.pk/graduate-programmes>

## FINANCIAL SUPPORT

- Loan Options
- Merit Scholarships
- External Scholarships (if available)
- Teaching Assistantships
- 45% Tuition Fee waiver for all new MS students in the Basic Sciences
- 50% Tuition Fee waiver for returning students
- 100% Scholarship for PhD students

For details, visit:

<https://financial-aid.lums.edu.pk>

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