

# Department of Biochemistry Faculty of Science, Jamia Hamdard

<http://www.jamiahamdard.edu/biochem.asp>

## Biochemistry: Scope and opportunities

**Biochemistry** is the study and application of substances, reactions and processes in animals, plants, bacteria and viruses. Biochemists work in hospitals, industry, drug design and development, environmental sciences, forestry, agriculture, dietetics, hormone production, vaccine research, virology, immunology, microbiology, toxicology, food science, plant science and associated areas, and in areas from marine biology to entomology not just to carry out R&D work and develop new products but also to monitor the production, quality and safety of the product. Biochemists provide diagnostic service, carrying out tests on blood, urine and other body fluids, while researching the underlying causes of disease and methods of treatment. They find jobs in pharmaceutical and agrochemical companies, food brewing and biotechnology industry. The postgraduate degree in Biochemistry also provides opportunity for advanced teaching in universities, colleges, medical, dental and veterinary schools, and consulting or allied work. Observational, organizational, computational skills, planning and team work are important for biochemists.

## Courses offered

1. **MSc Biochemistry** (Four semesters, over two years)
2. **MSc Bioelectronics and Instrumentation** (Four semesters, over 2 years)
3. **PhD Biochemistry**

# Eligibility conditions for MSc Biochemistry

**Candidates** desirous of admission to the course must have:

- i. Passed BSc in Biochemistry or equivalent examination in Biological Sciences with Biochemistry or Chemistry as one of the subjects securing at least 55% marks in aggregate
- ii. Appeared in the Entrance Test conducted by Jamia Hamdard

## Alumni

**O**ur students are working in public and private sectors, research institutions and in higher education sector in India and abroad as scientists, academicians, executives in multinational companies, laboratories, hospitals, educational and research institutions, pharmaceutical companies, biotechnology industry, IPR firms and publishing houses. Over a period of time, hundreds of students of this department have been awarded various fellowships including the national level fellowships and post-doctoral fellowships. Several students have opted to work abroad in USA, UK and other countries as post-doctoral fellows and in various capacities.

## Please visit

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## Contact

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