BioSpectrum the business of Bio & Health Sciences

4. Jamia Hamdard University, New Delhi

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The syllabus of the masters in biotechnology and molecular biology program of Jamia Hamdard has a number of add-on topics to the minimum syllabus prescribed for the course by the UGC. It is reviewed and revised every year by the board of studies that has external experts also in addition to the senior faculty members. As a result of high ranking given to programme by the peers in the field, the post-graduate students get placement in all the top ranked research institutes in India, such as Indian Institute of Science, Centre for Cellular and Molecular Biology, Centre for DNA Fingerprinting and Diagnostics, International Centre for Genetic Engineering and Biotechnology, Institute of Genomics and Integrative Biology, National Institute of Immunology and other institutes in India as well as placements abroad.

The university selects its students on the basis of annual national level admission test. In the year 2012-13, the number of students enrolled for the post graduate program stood at 38. The department does not employ any part time or visiting faculty. The core faculty members have expertise to teach all the subjects and cover entire syllabus. However, for the benefit of the students, experts and senior faculty members from other institutions are invited to deliver series of lectures on specific topics as and when required. Also, the university has introduced a unique "Foundation Course" for the MSc students that provides basics of all the biological science and chemistry subjects to PG students, in addition to the biotechnology related subjects. The department has fully equipped dedicated laboratories for MSc students. The class rooms have multimedia facilities including the interactive digital board and are centrally air conditioned. Each post-graduate student delivers a series of seminars, survey the lecture and submits a review article and undertakes one semester project as part of the syllabus.

The faculty members of the department have been able to attract a large number of extramurally funded research projects. The nutrient management technology developed in the department for higher artemisinin yield and 1,000 tissue culture raised seedlings of Artemisia annua L. were transferred to Ipca Laboratories, Mumbai. Also, a novel protein isolated from the outer membranes of S. typhi has been transferred to Oscar Medicare for evaluation as diagnostic probe for typhoid.