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Targeting new milestones

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Biotech Public Schools No 10

The department of biotechnology at NAAC "A" accredited Jamia Hamdard deemed university was established in 1997. The Department offers MSc and PhD courses in molecular biology and biotechnology.

The students are selected on basis of the national level admission test conducted by Jamia Hamdard. In the academic year 2011-12, the number of students enrolled for the post-graduate program stood at 38. The department has state-of-the-art facilities for gene cloning, delivery and expression in mammalian cell, insect cells, microbes, and plants.

The foundation course introduced for the MSc students provides basics of all the biological sciences and chemistry subjects, in addition to the biotechnology related subjects. The post-graduate students get placed in all the top ranked research institutes in India such as IISc, CCMB, CDFD, ICGEB, IGIB, and NII. The department prides in its fully equipped and dedicated laboratory facilities. The laboratories and class rooms are centrally air conditioned.

The faculty members of the department have been able to attract a large number of extramural funded research projects. At present the department has 18 ongoing research projects sponsored by DST, DBT, DRDO, AYUSH, CCRUM, CSIR, and ICMR. Since June 2000, close to 432 papers have been published in the international journals by the department. The nutrient management technology developed in the department for higher Artemisinin yield and 1000 tissue culture raised seedlings of Artemisia annua L. were transferred to Ipca Laboratories, Mumbai, in a consultancy program at an amount of Rs 6 lakh. A novel protein isolated from the outer membranes of S. typhi has been transferred to Oscar Medicare for evaluation as a diagnostic probe for typhoid for a token consultancy of Rs 19,500.

Based on its performance and potential, the department has been selected by UGC for a special assistance program (SAP) grant. A sum of Rs 50 lakh has been awarded for purchase of equipment under SAP. This is in addition to the grant for the routine equipments from the university.