

# JAWAHARLAL NEHRU UNIVERSITY NEW DELHI-110067

## ADDENDUM

Admission.No/3(ii)/2019

18.03.2019

Reference: **The e-Prospectus of CEEB- 2019-20 (M.Sc. Biotechnology) uploaded on the website of the University, [www.jnu.ac.in](http://www.jnu.ac.in).**

With reference to the subject mentioned above, it is hereby notified that following participating University has been included in the e-prospectus of M.Sc. Biotechnology as given under:

### **33. Madurai Kamaraj University, Madurai (25 seats) \***

Madurai Kamaraj University was started as Madurai University at 1965. It is a statutory University, funded by the Government of Tamilnadu and the University Grants Commission. This University is one of the fifteen universities in India with a status of University with Potential for Excellence. The M.Sc Biotechnology programme is a two year (4 semesters) course offered by the School of Biotechnology (SBT) based on Choice Based Credit System (CBCS) of Madurai Kamaraj University. The Course comprises core and elective papers to impart the knowledge on basic and applied aspects of biotechnology. The uniqueness of this programme is that the students have the freedom to have option to select Soft Skill Course offered by other Schools of Science and Language in two levels (basic & advanced) to empower the students for effective communication, personality and professional competency through effective teaching and learning. The SBT which offer this course has three core Departments (Department of Genetic Engineering, Department of Molecular Microbiology and Department of Plant Biotechnology) with two centres (Centre for Excellence in Bioinformatics, Centre for Excellence in Innovative Biotechnology) being supported by DBT.

A team of 12 faculty members with wide range of experiences in different fields of biotechnology with adequate exposure from National and International laboratories are the added values to this programme. Besides the core faculty, the expertise from School of Biological Sciences, Chemistry, Physics and Mathematics are being utilized for the teaching program. The curriculum for M.Sc Biotechnology is value added with economics and social sciences by involving the experienced faculty. The School facilitates summer project in Biotech companies, National Laboratories and other Premier Institutions in India for 6 weeks for the interested students after the completion of II semester. The School also facilitates campus Interview upon the need and request of the biotech companies. Imparting training to the students for hands on experience in research through intensive practical classes and project works are the key strength of this School as evidenced by placement of considerable number of students at National and International Institutes/Universities leading to Ph.D degree. Many alumni of this course were able to clear several competitive exams like CSIR-UGC NET, DBT JRF, GATE etc.

The School has all the necessary major facilities for diverse research programmes in the areas of microbial, animal and plant biotechnology.

- Facility for clinical proteomics.
- Facility for Plant Molecular Biology
- Bioinformatics Facility
- High Resolution Graphics
- Facility for Molecular Microbiology
- Facility for Functional Genomics
- Macromolecular X-ray diffraction systems
- Plant Tissue Culture and Green House

Major research programmes of the School of Biotechnology are:

- Plant Genetic Engineering
- Stress response in plants
- Heterologous gene expression in fungi
- Molecular Biology, Immunology and *Genome Analysis of M. leprae and M. tuberculosis*
- Development of vaccines
- Molecular Biology of communicable and non communicable diseases
- Immunochemistry and biodegradation of toxic chemicals

- Protein crystallography and Structural biology
- Bioinformatics
- Comparative genomics of microorganisms
- Clinical Proteomics
- Industrial collaborative projects
- Nanobiotechnology
- Biodiesel
- Phytochemicals for therapeutic values

**Fees to be paid at the time of Admission:** Rs.25000/- (including Hostel fees approximately).

**Contact Address:**

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