



MADURAI KAMARAJ UNIVERSITY

(University with Potential for Excellence)

(Re-accredited by NAAC with 'A++' Grade in the 4th Cycle)

MADURAI - 625 021, TAMIL NADU



RUSA - Skill Course on “Techniques for Algal biomolecules separation & its Analysis” 19th – 21st August, 2026

Applications are invited from post-graduates and research scholars in various disciplines of life sciences from Indian Universities/Colleges/Research Institutes for the upcoming Skill Course on “Techniques for Algal biomolecules separation & its Analysis” to be held from 19th to 21st August, 2026.

ABOUT RUSA

The Rashtriya Uchchatar Shiksha Abhiyan (RUSA), the National Higher Education Mission, is a holistic, centrally sponsored scheme by the Ministry of Education, Government of India, designed to provide strategic funding and support for transformative reforms across state universities. At Madurai Kamaraj University, RUSA Phase II serves as a vital catalyst for institutional excellence under its "Research, Innovation & Quality Improvement" initiative. MKU-RUSA actively bridges the gap between academic theory and real-world application, empowering students with the internships and skill courses required to excel globally..

ABOUT MADURAI KAMARAJ UNIVERSITY

Madurai Kamaraj University (MKU) stands as a distinguished fortress of higher education and pioneering research, deeply rooted in a legacy of academic excellence. Established in 1965 as Madurai University and subsequently renamed in 1978 to honor the visionary statesman Karmaveerar K. Kamaraj, the institution has relentlessly pushed the boundaries of multi-disciplinary learning. Today, as a premier University recognized for its Global Standards, MKU comprises 20 specialized Schools encompassing 77 diverse Departments - ranging from Advanced Sciences to Humanities - all dedicated to nurturing world-class talent, fostering impactful research, and empowering generations to compete on an international stage.

ABOUT SCHOOL OF BIOTECHNOLOGY

The School of Biotechnology, Madurai Kamaraj University, established as an independent School in 1994, is a nationally recognised centre of excellence in biotechnology education and research. With a strong faculty team and advanced research infrastructure, the School has secured major funding from agencies such as DBT, DST, SERB, ICMR, CSIR, BRNS, MoES and UGC. Its research focuses on genetic engineering, molecular diagnostics, vaccine development, plant-microbe interactions, biofuels, nutraceuticals, and molecular cardiology. Equipped with specialized national research facilities, the School actively contributes to innovation in genomics, proteomics, and biotechnology.

ABOUT THE SKILL COURSE

Algal Biotechnology is an emerging field that harnesses the potential of macroalgae and microalgae as sustainable sources of bioactive compounds for applications in healthcare, pharmaceuticals, nutraceuticals, cosmetics, energy, and biotechnology. This Skill Course provides theoretical knowledge and hands-on training in algal cultivation, molecular identification, extraction, purification, and bioactivity evaluation of algal metabolites. Participants will gain practical experience in DNA/RNA isolation, 18S rRNA-based identification, lipid and pigment extraction, TLC-based purification, and isolation of compounds such as fucoidans, phlorotannins, and carotenoids. The course also introduces *Caenorhabditis elegans* as a model organism for bioactivity assessment..

APPLICATION & SELECTION PROCEDURE

Interested candidates are requested to submit the ‘Registration Form’ via the given link on or before 15th August, 2026. No registration fee is required. The candidates will be selected based on their qualifications and research interests. The selected candidates will be informed through e-mail on 17th August, 2026. No TA/DA will be provided for attending the skill course. No accommodation will be arranged.

ELIGIBILITY

Applicants must be Postgraduate students or Research Scholars from diverse disciplines within the Life Sciences, affiliated with recognized Universities, Colleges, or Research Institutes across India. Preference will be accorded to candidates currently engaged in, or intending to pursue, algal research as a significant component of their academic or research endeavours.

Scan me for
Registration



Registration link- <https://forms.gle/4YE9ENjpFt4YeimT6>

Contact

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