



M.Sc. **AGRICULTURE** in Genetics and Plant Breeding

Division of Genetics and Plant Breeding in Karunya

'Food' is one of the thematic intervention areas of KITS and the Master's program in Genetics and Plant Breeding was initiated in the year 2021 to promote research and advanced studies in the field of crop improvement. The courses and curriculum are designed as per the Indian Council of Agricultural Research (ICAR) Fifth Deans' committee recommendation. Plant Breeding is a multi-dimensional discipline of agriculture that exploits classical and modern breeding approaches to develop new crop varieties and hybrids. Our first batch of students have successfully completed the post graduate degree program with high accolades, placements and eligibility for higher studies.

Our Mission

Graduates achieve academic and professional excellence, through research and multidisciplinary collaborations with national and international Institutions, Government Organizations and Industries in providing innovative and sustainable agricultural solutions by developing new crop varieties and hybrids.

ADMISSIONS 2023

Post Graduate Program

M.Sc. (Agri.) in Genetics and Plant Breeding

Eligibility

B.Sc. (Agri.)/ B.Sc. (Horti.)/ B.Sc. (Forestry) degree from a recognized university, with a minimum OGPA of 6.00 out of 10.00

Duration

Two years



Program highlights

Curriculum imparts knowledge and skill on various aspects of breeding in both conventional and modern breeding approaches. It includes heterosis, stress, quality, marker assisted selection, transgenic plant technology, micropropagation, bioinformatics etc.

- Impart knowledge on germplasm collections, biodiversity hotspots and National Gene Banks.
- State-of-the-art laboratories in molecular breeding, cell biology and tissue culture
- 300-acre instructional cum research farm and poly-house facilities.
- Collaborations with National and International research Institutions for higher education and advanced research.
- Enhancing competency in research methodology, technical writing skills, patents and publications.

Pedagogy

- Class room lectures with audio-visual aids
- Group exercises and discussions
- Invited guest lectures in the field of specialization
- Laboratory experiments and analytical procedures
- Field projects and experiments
- Research guidance from experienced professors
- Institutional/ Industry visits
- Data analysis and documentation

Why choose KITS for your Masters?

- Highly qualified academicians from renowned State Agricultural Universities (SAUs) and ICAR Institutions with vast experience and accomplishments.
- State of art facilities for carrying out research in laboratories and instructional cum research farm.



Career Opportunities

- Research Scientists, subject matter specialists and data analysts in R & D organizations of public and private sectors
- Seed Certification Officers in public sector institutions
- Expert consultants on crop and bio-metric data analysis in national and international research organizations
- Agricultural development officers in banking sectors

The Campus

- Situated serenely in the Western Ghats of Coimbatore, Tamil Nadu in 300 acres of natural flora and fauna
- Sophisticated smart classrooms and seminar halls equipped with multimedia facilities and interactive displays
- World-class auditorium, sports complex, library, cafeteria and recreational facilities
- Amicable and professional ambience

Contact:



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