



# Ancient & Population Genomics

## SEP 23-26, 2026

### Skill Workshop

#### MKU-RUSA Supported



The Department of Genetics, Madurai Kamaraj University (MKU), is organising, MKU-RUSA supported skill workshop on the methods of Ancient Genomics and Population Genomics at the MKU.

Register in the link  
before **10<sup>th</sup> SEP.**

Registration Link:

<https://forms.gle/o3ZuA78ugybdg3Mk9>

### LEARNING TARGETS / EXPERIMENTS

In the workshop, participants will be exposed to:

1. Ancient DNA (aDNA) and Clean-Lab Practices
2. Archaeological DNA (aDNA) Extraction
3. aDNA Preservation Assessment
4. aDNA - NGS Library Preparation Methods
5. NGS - Quality Control
6. Read Mapping & Authentication
7. SNP Calling & Genotyping
8. Genome-wide Variant Calling
9. Mitochondrial Genomes & Haplogroups
10. Reference Genomic Datasets
11. PCA & ADMIXTURE Analysis
12. IBD & Kinship Analysis
13. Population History Inference

There is no fee for the participants. This is a RUSA-supported Skill workshop. Travel & accommodation charges are to be borne by the participants. On prior request, accommodation will be arranged at MKU hostels/Trainee's Hostel.

COURSE COORDINATOR:

**Prof.G.Kumaresan**

Head, Dept. of Genetics, School of Biological Sciences, Madurai Kamaraj University, Madurai

