

HANDS ON WORKSHOP ON Molecular Fingerprinting techniques

(II)

TIME	DETAILS
DAY 1	<p style="text-align: center;">Theoretical part</p> <p>Lecture: Introduction to Molecular Biology and Nucleic Acid extraction (DNA/RNA) methods Lecture: DNA Quantification, dilution and calculations Lecture: PCR-Introduction, principle, types and calculations Lecture: RAPD and ISSR as fingerprinting techniques Lecture: Restriction Enzymes, Digestion and RFLP Electrophoresis, and Gel documentation.</p>
DAY 2 and 3	<p style="text-align: center;">Practical part</p> <p>Lab: DNA Isolation Lab: DNA Quantification and Dilution Lab: PCR calculations, Master mix preparation, PCR setup and programming Lab: RAPD and ISSR hand on. Lab: Restriction Digestion, RFLP, Electrophoresis and Gel documentation Lab: Restriction Digestion, RFLP, Electrophoresis and Gel documentation</p>
DAY 4	<p style="text-align: center;">Data analysis</p> <p>Data formats. Editing different software analysis. Genetic similarity calculation. Phyllogenetic tree construction.</p>

Coast: 1500 LE