

CMPR permits UG and PG students from various academic institutions/UG and PG course completed students to carry out multi-disciplinary training programmes in areas like Botany, Pharmacognosy, Plant tissue culture, Molecular biology, and Phytochemistry for 10 days, as per the module given below. It is intended for a maximum of 20 students at a time. The training will be conducted during the months of December, April and May. The proposed fee for the training programme per student is Rs. 5900/- including 18% GST. Applications can be submitted by E-mail to **trainingcmpr@gmail.com**. Last date for receipt of application is 15<sup>th</sup> November (for December batch), 15<sup>th</sup> March (for April batch) and 15<sup>th</sup> April (for May batch) every year.

Subject	Module	No. of days
Botany & Anatomy (Pharmacognosy)	Taxonomic plant identification, Herbarium techniques, Botanical Micro techniques, Raw drug identification, Macro and microscopic characterization of medicinal plants, Histochemical localization, Powder microscopic characterization, Familiarizing market samples of Ayurvedic raw drugs, Adulteration checking for marketed drugs. Hands-on training on various microscopes.	3
Plant Tissue Culture and Molecular Biology	Plant Tissue Culture (media preparation, <i>in vitro</i> culture techniques, hardening, etc) and Molecular Biology laboratory techniques (DNA isolation, PCR (RAPD& DNA barcoding), Agarose gel electrophoresis, PCR product purification, Bioinformatics (Editing sanger sequencing results, submission of DNA sequence to NCBI database, DNA Barcode sequence analysis: raw material authentication)	4
Phytochemistry	Basic extraction techniques and Phytochemical screening. Demonstration on UV-Visible spectroscopy and HPTLC	3

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