

विज्ञान एवं प्रौद्योगिकी विभाग DEPARTMENT OF **SCIENCE & TECHNOLOGY**







7 Days Hands-on Training Program on ORCHID CULTIVATION, MICROPROPAGATION & CLONAL FIDELITY TESTING

Under DST Sponsored

'Synergistic Training program Utilizing the Scientific and Technological Infrastructure' (STUTI)

Dated: 10 - 16 October, 2022

ORGANIZED BY

DEPARTMENT OF BOTANY

Rono Hills, Doimukh-791112, Arunachal Pradesh

In collaboration with NATIONAL INSTITUTE OF TECHNOLOGY Agartala, Tripura

> **Registration Closing Date: 1st October 2022** Registration link: https://forms.gle/ZqE9XHW63SXHZTKN7

ABOUT DEPARTMENT OF BOTANY, RAJIV GANDHI UNIVERSITY

Rajiv Gandhi University (RGU), founded in 1984, is a Central University located at Doimukh, Papum Pare District, Arunachal Pradesh. The Department of Botany established in 1997 is a DST- FIST and UGC-CPEB funded and conducts research in the field of Plant Taxonomy, Ethnobotany, Phytochemistry, Microbiology, Mycology, Orchid tissue culture and Agroforestry. The department has received several extramural research funding from various National Agencies including UGC, DST, DBT, CSIR, MoEF and DRDO. The department offers M.Sc. and Ph.D. courses and so far 65 scholars have been awarded Ph.D. degrees.

ABOUT NATIONAL INSTITUTE OF TECHNOLOGY, AGARTALA

National Institute of Technology, Agartala (NITA) (formerly Tripura Engineering College, 1965), was established on 2006 by the Ministry of Human Resource Development Government of India in Agartala. The institute provides various technology-oriented higher education such as B. Sc, M. Sc, B. Tech, M. Tech, MCA, MBA and Ph.D. programs. The aim of this institute is to produce young qualified engineers, scientists and management professionals for the betterment of the country.

ABOUT TRAINING PROGRAM

The seven-days Hands-on training program on "Orchid Cultivation, Micropropagation and Clonal fidelity testing" will be organized NITA at the Department of Botany, RGU under the Department of Science and Technology (DST) sponsored 'Synergistic Training Program Utilizing the Scientific & Technological Infrastructure (STUTI)', Govt. of India. The content of the training program will provide basic knowledge on Orchid Cultivation, Micropropagation and Clonal fidelity testing that will be understandable for all branches of Life Science and Agricultural science. There will be lectures as well as hands-on training using various equipment for a better understanding of the same.

ACTIVITY	EQUIPMENT TO BE USED	DELIVERABLES
Vegetative	Minor agricultural tools	All activities would
propagation		ha productive for
Preparation of	Minor agricultural tools	
potting mixture		budding orchid
Micropropagation	Laminar air flow, Autoclave, Oven,	enthusiasts,
	Stereomicroscope (Carl Zeiss Stemi 305/508) & Compound	floriculturists,
	microscope (Carl Zeiss Axio Lab.	horticulturists,
	A1) Plant growth chamber	entrepreneurs and
Clonal fidelity testing	Centrifuge, Nanodrop	researchers in
	(spectrophotometer), Thermal Cycler, Gel Electrophoresis, Gel	terms of plant
	Documentation system, UV-	genetics
	Transilluminator, -20 Freezer, Icemaker, Water bath, Lyophilizer	conservation and
		revenue generation

CONTACT PERSONS



Prof. R. K. Singh

Coordinator Email: rajiv.singh@rgu.ac.in Tel: 9436253354

Dr. Arnab Ghosh

Program Coordinator Email: <u>arnab.ghosh@rgu.ac.in</u> Tel: 9064847741

Prof. Sumpam Tangjang

Co-coordinator Email: <u>sumpam@rgu.ac.in</u> Tel: 7005026532

Dr. Niranjan, M.

Tel:8015235547

Program Co-coordinator

Email: neeru436@gmail.com

Dr. Tonlong Wangpan

Program Coordinator Email: <u>twangpan@rgu.ac.in</u> Tel: 9863266876

Program Co-coordinator Email: <u>mamubengia@gmail.com</u> Tel: 8974338661

Ms. Bengia Mamu

Dr. Gunjan Kumar Saurav

Program Coordinator Email: <u>gunjan.saurav@rgu.ac.in</u> Tel: 95558 68650

Ms. Tadu Yaniya

Tel: 8414918800

Program Co-coordinator

Email: taduyaniya@gmail.com