



Science Academies Refresher Course on “Phytoengineering: Hands-on training workshop on Genetic Engineering methods towards plant transgenics development”

at

Departments of Biotechnology and Genetics, and Microbiology and Botany, School of Sciences, JAIN (Deemed-to-be University), Bengaluru – 560 027, Karnataka.

19 February – 06 March 2024

Sponsored by

**Indian Academy of Sciences, Bengaluru
Indian National Science Academy, New Delhi
The National Academy of Sciences, India, Prayagraj**

A Refresher Course on “Phytoengineering: Hands-on training workshop on Genetic Engineering methods towards plant transgenics development” will be organized at the Departments of Biotechnology and Genetics, and Microbiology and Botany, School of Sciences, JAIN (Deemed-to-be University), Bengaluru, for 15 days **during 19 February to 06 March 2024**. The refresher course includes technical lectures and hands-on training sessions encompassing topics like transient expression, knock-down of gene(s) to understand gene functionality, foreign gene overexpression *in planta*, and developing transgenic plants. This course is sponsored by the Indian Academy of Sciences, Bengaluru, Indian National Science Academy, New Delhi, and The National Academy of Sciences, India, Prayagraj.

The objective of this Refresher Course is to foster essential skills in plant genetic engineering (like cloning, development of transgenic crops, and transgene expression analyses) through offline hands-on training sessions. The Director of the Course is **Professor P. B. Kavi Kishor**, FNASc, FNAAS, Emeritus Professor, Department of Genetics, Osmania University, Hyderabad. Email: pbkavi@yahoo.com. The Coordinators of the Course are **Dr. S. A. Sheshadri**, **Dr. G. Jawahar**, **Dr. Altaf Ali**, and **Dr. Ashwini N.**, Departments of Biotechnology and Genetics, and Microbiology and Botany, School of Sciences, JAIN (Deemed-to-be University), Bengaluru, e-mails: sa.sheshadri@jainuniversity.ac.in; g.jawahar@jainuniversity.ac.in; a.altaf@jainuniversity.ac.in.

Resource Persons: **Dr. Dinesh Nagegowda** (FNASc, Chief Scientist & Professor, CSIR-Central Institute of Medicinal and Aromatic Plants Research Center, Bengaluru); **Dr. P. V. Shivaprasad** (FASc, FNA, FNASc, Associate Professor, National Center for Biological Sciences, Bengaluru); **Dr. G. A. Ravishankar** (FIAFoST (Canada), FIFST (UK), FNAAS, FNASc, Vice President-R&D (Life Sciences), Dayanand Sagar Institutions, Bengaluru); **Dr. Senthil Kumar Muthappa** (FNASc, FNAAS, Staff Scientist-V, National Institute of Plant Genome Research, New Delhi); **Prof. P. B. Kavi Kishor** (FNASc, FNAAS, Emeritus Professor, Department of Genetics, Osmania University, Hyderabad); **Prof. K. V. Rao** (FNA, FNASc, Professor, Center for Plant Molecular Biology, Osmania University, Hyderabad); **Dr. Prashant Singam** (Assistant Professor, Department of Genetics, Osmania University, Hyderabad); **Dr. Bhairab Mondal** (Director and Designated Partner Shankaranarayana Life Sciences LLP, Bommasandra, Bengaluru); **Dr. S. A. Sheshadri** (Assistant Professor, Department of Biotechnology and Genetics, School of Sciences, JAIN (Deemed-to-be University), Bengaluru); **Dr. G. Jawahar** (Assistant Professor, Department of Biotechnology and Genetics, School of Sciences, JAIN (Deemed-to-be University), Bengaluru); **Dr. Altaf Ali** (Assistant Professor, Department of Biotechnology and Genetics, School of Sciences, JAIN (Deemed-to-be University), Bengaluru)

Applications for attending the Refresher Course are invited from teachers with experience in teaching UG and/or PG Courses in Life Sciences. The organizers may consider selecting a few interested Research Scholars & M.Sc. students too. 35 participants will be accepted (Outstation = 25 & Local = 10) for the course. Selected participants will be provided with roundtrip bus/train (two-tier AC) fare by the shortest route and local hospitality during the course, in addition to course materials

Interested applicants must submit their application to the following email address:

A printed copy of the application approved by the Head of the Institution should be sent by post to the Course Coordinator, at the address given below. In case of teachers, the form must also be signed and stamped by the Head of the applicant’s Institution stating that leave will be sanctioned if the applicant is selected for the course. A recommendation letter from a teacher is essential for student applicants along with bonafide certificates of the Institute. Scanned copies of the duly signed documents sent by e-mail will also be accepted.

Address for Communication: **Dr. S. A. Sheshadri**, Course Coordinator, Assistant Professor, Department of Biotechnology and Genetics, School of Sciences, JAIN (Deemed-to-be University), #34, 1st Cross, JC Road, Sampangi Rama Nagar, Sudhama Nagar, Bengaluru – 560 027. Email: sa.sheshadri@jainuniversity.ac.in, ashwini.n@jainuniversity.ac.in Phone: +91 9481373162 / +91-7868872935 / +91-9448938237.

Last date for receipt of applications: 10.02.2024

Selected participants will be informed by: 12.02.2024
