

COMBIGS INAUGURATION CUM KLF

COMBIGS inauguration

The COMBIGS (Computational Biology Group at SASTRA - Students association of Bioinformatics) was inaugurated on February 15, 2022 in online mode. The elected office bearers were introduced and each one of them assured to discharge their duties to their best.

The new office bearers of the COMBIGS team included Nandhakumar (Chairman), Nishanth (Deputy chairman), Brintha (Treasurer), Akshaya (Vice chairman), Yogeshwaran (Joint secretary) took their oath of administration. The newly elected chairman of COMBIGS, Nandhakumar spoke in great detail about the main motive and the activity of the COMBIGS team. Dr.A.Sathya & Dr.L.Ramya, the faculty coordinators encouraged the new office bearers and coordinated the event.

KLF lecture

Following the inauguration a KLF was conducted by the COMBIGS, in which Dr.J.Ramalingam, Professor, Department of Biotechnology, TNAU highlighted about various undergraduate, postgraduate programs and research conducted in the Centre for Plant Molecular Biology and Biotechnology, TNAU Coimbatore. He focused on various approaches to develop genetically modified crops with high quality characteristics like drought tolerance, disease and insect resistance. His talk also shed lights on various other applications of Bioinformatics in agriculture including database development and genome sequencing.

Q and A session was interactive and informative. The entire programme was enlightening & enthusiastically about 80 students from B.Tech & M.Tech programmes participated in it.



SASTRA
ENGINEERING · MANAGEMENT · LAW · SCIENCES · HUMANITIES · EDUCATION
DEEMED TO BE UNIVERSITY
(U/S 3 OF THE UGC ACT, 1956)



*On behalf of students, staff and the management,
COMBIFS cordially invites you to the Knowledge Leadership Forum Lecture
on*



Bioinformatics in Agriculture

by

Dr. J. Ramalingam

*(Professor, Dept. of Biotechnology), Tamil Nadu
Agricultural University, Coimbatore.*

on FRIDAY 18th FEB, 2022 bet 04.00 -5.00 pm, G Meet link - <https://meet.google.com/kpo-nzxc-ocu>



REC J Ramalingam is presenting

J Ramalingam

4:30 PM | kpo-nzxc-ocu


Dr. SATHYA. A

65 others

69

REC J Ramalingam is presenting

Specific/Unique features ADT 55



- ✓ Short duration culture-115 days
- ✓ Developed through **Marker Assisted Breeding for BB resistance**
- ✓ Carrying *xa5*, *xa13* and *Xa21* genes-**Gene pyramided line**
- ✓ Parentage –ADT 43/ IRBB 60
- ✓ Season – Kar/Kuruvai and Summer
- ✓ Average yield-**5929 kg/ha** (10.1 % higher yield than ADT 43)
- ✓ Potential Yield - **9206 kg/ha**(13.7% higher than ADT 43)
- ✓ AICRIP-ICAR- IET 26770 -4907 (**8.3 %** over national check, Co 51)
- ✓ Medium slender grain, white rice with good quality characteristics on par with ADT 43 and CO 51
- ✓ High head rice recovery
- ✓ **Highly resistant to all pa**
- ✓ Moderately resistant to blast, sheath rot and leaf folder

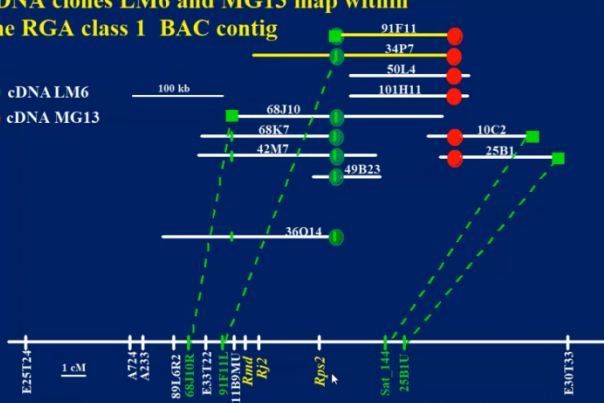
4:29 PM | kpo-nzxc-ocu

72

REC J Ramalingam is presenting

(Graham et al 2002)

cDNA clones LM6 and MG13 map within the RGA class 1 BAC contig



4:32 PM | kpo-nzxc-ocu

68