



THE

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Genetic
Engineering
Association

Department of
Genetic
Engineering

WEEKLY CHROMOSOME CONFERENCE EDITION

The Genetic Engineering Association of the Department of Genetic Engineering, SRMIST, conducted the National Conference on Recent Trends in Genetic Engineering and Biotechnology, with enormous pride and grandeur, on the 23rd and 24th of February, 2023.



400+ PARTICIPANTS

75 PAPER
PRESENTATIONS

35 INSTITUTES

20 ORAL PRESENTATIONS

11 INVITED TALKS

9 SPECIAL LECTURES

5 PRE- & POST-
CONFERENCE
WORKSHOPS

4 SESSIONS

2 DAYS

1 CONFERENCE

RTGEB 2023



The Department of Genetic Engineering conducted a National Conference on Recent Trends in Genetic Engineering and Biotechnology (RTGEB-23) on 23.2.23 and 24.2.23 at Mini Hall-1 in Dr. T. P. Ganesan Auditorium. Prof. M. Ramya was the convenor and Dr. Satish Ramalingam was the organizing secretary of the event.

RTGEB-23 was funded by Department of Biotechnology, Govt. of India and SRMIST. Around 400 participants from 35 institutes in 7 States of India and 3 delegates from Germany attended the conference which had series of special lectures, scientific posters, paper presentations, and quiz competition based on four main themes of research fields - Plant Biotechnology, Animal Sciences, Microbiology and Bioinformatics.

The Plenary talk was delivered during the inaugural session by the Chief guest Dr. K. J. Sreeram, Director, CSIR-CLRI and a special address was delivered by Prof. M. Vairamani, Dean - School of Bioengineering. This was followed by 10 invited special lectures from various higher educational and research institutes from India and abroad.

The conference attracted private sponsors like Southern India scientific

company, SRL, Synergy Scientific, ILECO, SVS, SLV, Aura and Gravity Genomics. Medi Analytica was the silver sponsor, a company of our alumnus Mr. Aditya.

75 posters were displayed and scientific ideas were exchanged through them. The winners of the competition were felicitated with prizes to encourage mutual inspiration and fruitful debate among researchers. Through this conference we have received 50 articles as submissions and are expecting more than 30 publications across the three journals namely Journal of Applied Biology and Biotechnology, Journal of Pharmaceutical sciences and ESPR.

Other than the scientific discussions, students and scholars demonstrated their extracurricular activities through fun-filled cultural events. The valedictory function was graced by the presence of Mr. Naveed, Founder & Director, SynerHeal Pharmaceuticals Pvt. Ltd., Chennai, who discussed about the tricks of becoming a successful entrepreneur.

At the end of the valedictory function Prof. M. Ramya, Head of the Department of Genetic Engineering announced that the event will be organized as an international edition in 2024 in a grander manner.



WINNERS

Best Poster Presentation

Animal Sciences:

Shreya Sriratsan, S. Bhargavi, Lizha Mary, Ravi Gor, Chandrasndan Ramamurthy for "Targeting Colorectal Cancer Cells Using Conjugated Arsenic trioxide encapsulated-folate nanoparticles."

Microbiology:

Shivani Shivakumar for "Development of polymicrobial biofilm model systems for evaluation of antimicrobial compound against infectious diseases."

Bioinformatics:

Rajalakshmi E, Evangeline Seles, Archana Vishwakarma for "In-silico analysis of cell surface aptamer for controlling biofilm formation in P. mirabilis."

Plant Sciences:

Manoj Kumar B for "Functional evaluation of artemia sodium potassium ATPase & ClC genes in eucalyptus composite transgenic plants for enhancing salt tolerance."



Best Oral Presentation

Animal Sciences:

Gautham C for "Exposure to Di-phthalate during gestational and lactational period impairs the bone remodelling in F1 female progeny rates."

Microbiology:

Dhivya Dharshika for "Optimization of growth media for model dual species biofilm systems."

Bioinformatics:

Himaja Kuppachi for "In-silico screening of bioactive compounds of Saraca asoca against ovarian steroidogenesis pathway by molecular docking, DFT, and ADMET studies."

Plant Sciences:

Meenu Nair for "Physiological and enzymatic responses of Saltol QTL and Sub1 gene introgressed lines of the elite rice variety Aiswarya improved through marker-assisted backcross breeding."

