A seminar on **"Advanced Cytogenetic Techniques"** was organized on 14/12/2024, by the Department of Botany and was led by **Dr. Sobhakumari V. P.**, Principal Scientist at the ICAR Sugarcane Breeding Station, Coimbatore, Tamilnadu. The session offered participants in-depth insights into cytogenetic methods used in plant breeding and genetic research. She also explored advanced tools like fluorescence in situ hybridization (FISH) and genomic in situ hybridization (GISH), highlighting their role in understanding chromosome behavior and gene mapping.Dr. Sobhakumari elaborated on the practical applications of these techniques in improving sugarcane varieties, emphasizing their importance in enhancing crop traits such as yield, disease resistance, and stress tolerance.

Participants gained valuable knowledge in how cytogenetics contributes to addressing agricultural challenges, including food security and climate resilience. The presentation also included case studies and real-world examples, making the concepts relatable and engaging. Students were appreciated the clarity and relevance of the topics covered, which fostered a deeper interest in plant genetics and breeding technologies. The session encouraged researchers and students to explore innovative approaches to crop improvement through cytogenetics.

SEMINAR ON ADVANCED CYTOGENETIC TECHNIQUES

14/12/2023

RESOURCE PERSON : Dr. SOBHA KUMARI I, PRINCIPAL SCIENTIST ICAR, SIB, CBE

S. No	Name	Class	Ph. No	Signature
1	Akhila. M.	II MSc Bioinf		Akhi
2	Akshaya. T. P	"		Akshaya
3	Akshaya. N	"		
4	Anjana. O	"		
5	Ajana. K	"		
6	Aysha Sana	"		
7	Devika. J	"		
8	Fathima Saja. K. M.	"		
9	Fathima Subeida	"		
10	Jinya Nahvin.	"		
11	Kavya Chandran	"		
12	Liya. J. Y	"		
13	Snehasree. S	"		
14	Shyama. K.	"		
15	Adheena Raj	III BSc Biotech		
16	Adhithya G	"		
17	Amrutha Prasad. T	"		
18	Anjana. P	"		
19	Arya Ramesh	"		
20	Athmara. B	"		
21	Ayana Rajeesh	"		
22	Balkeesh. K	"		
23	Devika. Girish	"		
24	Hajeeja Sherin K. P	"		
25	Sovita Maria Libera.	"		
26	Krishnaja. K.	"		