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NAAC ACCREDITED 'A++' GRADE COLLEGE

2023-24

Title of the event: Seminar on '*Brassica* Genomes and Their Breeding Implications'

Name of the Society: Botanique, The Botanical Society of Hansraj College

Venue: Ramdeo Misra Laboratory No.3, Department of Botany, Hansraj College

Date: 7th February 2024

Number of Participants = 29

Coordinators: Dr. Savita and Dr. Pooja Jha Maity

This seminar was organized on 7th February 2024. The seminar's keynote speaker was Professor Dr. Deepak Pental, Former Vice-Chancellor of the University of Delhi and Emeritus Senior Scientist at the International Centre for Genetic Engineering and Biotechnology, New Delhi. His presentation centered on '*Brassica* Genomes and Their Breeding Implications'. He provided insights into the historical and future trajectory of agriculture, tracing human migrations from Africa to Asia and the domestication of plants at the conclusion of the glacial period. Additionally, he discussed the evolution of agriculture in relation to major famines, advancements in fertilizers, mechanization, plant breeding, and management techniques. Professor Pental emphasized the significance of embracing computer sciences to handle vast amounts of data efficiently, particularly in fields like agriculture. He elucidated the breeding process of Indica Rice IR64 and highlighted genetic mapping efforts in *B. juncea* biparental lines, focusing on glycol-resistance in major mustard pests. The session concluded with discussions on the editing of glucosinolate transporters (GTR) and the potential of GM mustard in agricultural practices.

Encl.: Photos from the event, Attendance Sheet





List of Participants (Event: Seminar on *Brassica* Genomes; Date: 7th February 2024)

SR NO	NAME	COURSE	YEAR	ROLL NO
1.	Saurabh Awasthi	BSc (H) Botany	3rd	3107
2.	Ashi Verma	BSc (H) Botany	2nd	8172
3.	Kamal Kanojia	BSc (H) Botany	1st	13149
4.	Khwaish Itkaan	BSc (H) Botany	1st	13153
5.	Mohit Sarwan	BSc (H) Botany	1st	13116
6.	Nidhi	BSc (H) Botany	1st	13166
7.	Kanak Chaturvedi	BSc (H) Botany	1st	13141
8.	Kritika Singh	BSc (H) Botany	1st	13137
9.	Khushi Yadav	BSc (H) Botany	1st	13152
10.	Kavyanjali Joshi	BSc (H) Botany	1st	13136

11.	Khushi Garg	BSc (H) Botany	1st	13129
12.	Mohd. Anas	BSc (H) Botany	1st	13112
13.	Lalit Kumar	BSc (H) Botany	1st	13157
14.	Aditya	BSc Life Science	1st	14287
15.	Himani Singh	BSc Life Science	1st	14204
16.	Archie	BSc Life Science	1st	14292
17.	Diksha Pallavi	BSc Life Science	1st	14211
18.	Aditi Nigam	BSc Life Science	1st	14216
19.	Harsh	BSc Life Science	1st	14201
20.	Abhay	BSc Life Science	1st	14219
21.	Kanica	BSc Life Science	1st	14257
22.	Jyoti	BSc Life Science	1st	14202
23.	Ayushi	BSc Life Science	1st	14268
24.	Arpit	BSc Life Science	1st	14208
25.	Danishta	BSc Life Science	1st	14215
26.	Jiya Verma	BSc Life Science	1st	14282
27.	Chetana Swain	BSc Life Science	1st	14259
28.	Hrishikesh	BSc Life Science	1st	14248
29.	Chhavi Lakhotiya	BSc Life Science	1st	14270