



SRI VENKATESWARA COLLEGE
(UNIVERSITY OF DELHI)

EVENT REPORT

NAME OF THE EVENT: Seminar on Leveraging the synergy between omics and biology is key to trait modification and crop improvement at Inaugural Function			
DATE	DEPARTMENT	COMMITTEE/SOCIETY	COORDINATORS NAME
11 October 2023	Botany	Involucre	Prof. Shukla Saluja (Teacher-in-charge & Convenor) Co-convenors: Dr. Aditi Kothari Chhajer Dr. Pamil Tayal Dr. Sunita Yadav Dr. Pooja Gokhale Sinha Dr. Manoj Thakur Dr. Shweta Sharma
TIME	VENUE	NUMBER OF PARTICIPANTS	NATURE: Outdoor/Indoor; online/offline/hybrid
10:30 AM	Room no.- 57	101	Offline

BRIEF INFORMATION ABOUT THE ACTIVITY

TOPIC/SUBJECT OF THE ACTIVITY	Seminar on Leveraging the synergy between omics and biology is key to trait modification and crop improvement at Inaugural Function
OBJECTIVES	To make students know about new approaches in the field of botany to improve crop production. By studying genomics, proteomics, and other omics approaches, we gain insights into the molecular mechanisms underlying different traits in crops. This knowledge allows us to develop targeted strategies to modify these traits and enhance crop performance.
METHODOLOGY	The attendees were given a brief lecture about omics that it's all about combining the power of molecular biology with our understanding of biological systems.
INVITED SPEAKERS WITH AFFILIATION DETAILS (IF ANY)	Prof. Sandip Das, Department of Botany, University of Delhi
OUTCOMES	<ul style="list-style-type: none"> • All the attendees gained insights and knowledge of the use of omics in crop improvement. • How we can fulfill the food requirements of our country with modification of traits. • What is the contribution of molecular biology in the field of Botany.

PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):

1 Notice & Letters ✓	2 Number of Participants & Name of Participants ✓	3 Video clip ✓	4 Photos ✓	5 Feedback Form & analysis ✓
6 News clip with details	7 Sample Copy of the Certificate	8 Posters/ Invites ✓	9 Event report Attested by Event Coordinator & IQAC Coordinator	10 Any other document

IQAC Document No :IQAC/SVC/ 2023/ Botany/Offline/ 01	Criterion No:
Departmental file no: Botany/2023-2024/ Offline Activity/ Invlucre/01	IQAC file No: 2023-24

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
Prof. Shukla Saluja	Prof. Shukla Saluja	

For Reference

Criterion I	Curricular Aspects (planning & Implementation)	Criterion V	Student Support & Progression
Criterion II	Teaching Learning & Evaluation	Criterion VI	Governance
Criterion III	Research, Innovations & Extension	Criterion VII	Institutional Values & Best Practices
Criterion IV	Learning Resources and Infrastructure		

Activity Report

On 11th October 2023, the students of different semesters from B.Sc.(H.) Botany, B.Sc. (Prog.) Life Science, and B. Sc. (H.) Biological Sciences of Sri Venkateswara College had an opportunity to attend an informative lecture by Prof. Sandip Das, Department of Botany, University of Delhi on the topic of **'Leveraging the synergy between Omics and Biology is key to trait Modification and crop improvement'** at Inaugural Function of 'INVOLUCRE', the Botanical Society of the Department. The session commenced at 10:30 am in Room no. 57. The lecture was so informative, students learned about the advancement in the field of Botany and the magic that molecular biology can do by trait modification in crop enhancement. The event was also so special as the Department was celebrating its **'GOLDEN JUBILEE'**.



Opening Ceremony:



Compering of Event

The event started with Grace and Chandra Shekhar Chouhan, two students from second year of B. Sc. (Hons.) Botany, hosting the event. This was followed by Priyanshi Singh enchanting a soul-soothing and captivating Vandana that embarked a spiritual significance on each one of the attendees present over there while the hon'ble Guest of Honor- Prof. Sandip Das, respected Principal sir, Prof. K Chandramani Singh, former Vice-Principal Dr. Venkat Kumar, Teacher-in-Charge Prof. Shukla Saluja, and our dignitaries of the SVC family lighted the lamps to mark the onset of the event.



Lamp Lighting and Invocation

Speech Deliverance:

Lamp lighting was then followed by felicitation of saplings by Principal sir and TIC ma'am to the Guest of Honor. Later on, respected Principal sir and former Vice-Principal shared their blissful words of wisdom with students. They acknowledged the students about how vast the field of Botany spread around the world and wished the students success and motivated the students to perform to the best of their abilities.



Felicitation by Principal Sir and TIC Ma'am

Introduction of the Department:

Soon after the deliverance of speech, Prof. Shukla Saluja was Called upon the podium who gave a brief introduction about the Department of Botany at Sri Venkateswara College and every associated member who has been working hard for the department to flourish. She furthered called upon Prarthna Jain, a student from third year pursuing B. Sc. {Hons.} Botany and the president of the Departmental Society the ‘Involucre’. Prarthna Jain introduced the attendees to members of the society and how the society has played a major role in the department. This was followed by a group photo session of the event convenors and the Involucre.



Group Photo showing the event convenors and the members if the Involucre

Seminar Conduction:

Prof. Shukla Saluja then introduced the hon'ble speaker to the audience and invited him to the stage for conduction of seminar on **'Leveraging the synergy between Omics and Biology is key to trait Modification and crop improvement'** Sir discussed how water and other resources are not being used efficiently in the agricultural field when compared with other countries like USA and China, which further causes economic loss and failure due to imports of resources like edible

oils. Sir encouraged students to take an opportunity for improving plant cultivation by making use of omics. His insights into omics added a new dimension to the understanding of the attendees regarding this domain.



Prof. Sandeep Das conducting the seminar

Query Resolving:

Finally, a question and answer round was conducted where all the queries arising from the attendees and the faculties as well were resolved by Prof. Sandip Das. Attendees were very enthusiastic to learn more about omics and trait modification techniques.



Query resolving session

Vote of Thanks:

After such truly appreciating and invaluable knowledge shared by sir, Archiya Kumari from third year of B. Sc. (Hons.) Botany delivered a vote of thanks. She showed high gratitude towards the presence of hon'ble Guest Speaker, Principal sir and former Vice-Principal sir for marking the event remarkable. She also was grateful toward the event convenors and the Involucre members who arranged everything perfectly. Lastly, she thanked all the attendees for being so cooperative and attentive towards the seminar.

The event was thus concluded with a group photo session and High-Tea.

Conclusion:

This seminar was very informative, Prof. Sandip Das talked about the recent research going on in his lab and he also discussed when we combine omics and biology, we unlock the power to modify traits and improve crops. By studying the genes and proteins that drive these traits, we can develop targeted strategies for crop enhancement. It's an exciting approach that holds immense potential for advancing agriculture and ensuring food security. Add on to this, he talked about different techniques that are used in observing different reproductive structures of plants and how crops can be improved for the future.

Permissions and Letters



Tirumala Tirupati Devasthanams

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Sri Venkateswara College

(University of Delhi)

NAAC Grade A+

PERMISSION FOR ORGANIZATION OF EVENTS

NOTE: 1. Please ensure that the completion certificate of the event is physically signed by the Convener of the event, IQAC Coordinator and Principal after the event report is made.
2. Please ensure a pre booking of the venue before getting the permission letter signed.
3. A copy of this duly filled form signed by the TIC/ Convener and Principal shall be submitted to ICT sysadmin@svc.ac.in, Caretaker sandepluthra@svc.ac.in, IQAC Coordinator iqac@svc.ac.in, Dr. Arpita Kaul arpita@svc.ac.in for commerce, NSS, NCC, EOC, Empathise, Placement and Sports events, Dr. Urmi urmi.b@svc.ac.in for humanities events, Dr. P. Jayaraj jayaraj@svc.ac.in for sciences events. (Mails mentioned in SOP) and Dr. Nagendra Kumar Kalaparthy nkalaparthy@svc.ac.in, for IQAC/ NAAC criteria 1-7.

EVENT DETAILS

1. Name of the Department/Society /Association: Botany society - Involucere
2. Name of the TIC/Convener (if any): Prof./Dr./Mr./Ms. Prof. shukla saluja
3. Nature of Event: Seminar/Conference/Symposium/Workshop/FDP/Public or community outreach/ skill enhancement/others... Seminar
4. Participants: Student-centric /Faculty/Both
5. Event Type: Offline/Online/Hybrid; Indoor/Outdoor
6. Collaborating Agency /Organization: NIL
7. Proposed Title of the Event: Inaugural Lecture
8. Tentative List of Speakers with affiliations: Prof. sandeep Das,
Department of Botany, University of Delhi
9. Date, Time from to : 11th October '23 10:30 AM onwards
10. Financial Assistance/ Funding received (if any) ... Botany Society fund
11. Proposed Budget (please attach details in a separate enclosure):
Budget attached
12. Faculty responsible for Geo Tagged Pictures ... Dr. Aditi Kothari chhajee
13. Faculty responsible for Event Report ... Dr. PANIL TAYAL
14. ICT support required, if any (ICT Lab, Laptop, LCD projector) Laptop, Mike, Pointer, Lamp

15. Caretaker support required (tables, chairs, public addressing system, sanitation, manpower assistance)

16. Room requirement (Seminar/ any other) 57

Shukla Laluja 20.9.2023.
Name & Signature of TIC/Convenor
PROF. SHUKLA SALUJA.

R. ni 21/9/23
Signature of Principal

Date: 20.9.2023.

Date:

Imp 2
20-9-23

Posters/Invites



INVOLUCRE

Department of Botany
Sri Venkateswara College

Invites you for

SEMINAR

ON

***Leveraging the synergy between omics and
biology is key to trait modification and crop
improvement***

October, 11 2023

10:30 AM

Room No. 57

Invited speaker for Inaugural Session 2023



Prof. Sandip Das
Department of Botany
University of Delhi

Principal
Prof. K.Chandramani Singh

Convener & Teacher-in-charge
Prof. Shukla Saluja

Co-Conveners

**Dr. Aditi Kothari Chhajer, Dr. Pamil Tayal, Dr. Pooja Gokhale Sinha,
Dr. Sunita Yadav, Dr. Manoj Thakur, Dr. Shweta Sharma**

No. of Participants & Name of Participants

(All attendees are affiliated with Sri Venkateswara College)

SEMINAR ATTENDANCE		DATE 11/10/2023	
No.	NAME	ROLL No.	COURSE
1	Anoushka Tiwari	1422016	B.Sc (Hons.) BOTANY
2	Anoushka	1421013	" " III year
3	Anshu	1421011	" "
4	Archya	1421014	" "
5	Prasthna	141032	" "
6	Nidita Ghosh	1421036	" "
7	Nikita Ghosh	1422010	" " II year
8	Mahar Singh	1422035	" "
9	Mansi Mansi	1422008	" "
10	Rupam Singh	1422011	" "
11	Yamini	1422024	" "
12	Priyanshu Chakraborty	1421039	III Botany III
13	Shruti Thakur	1423010	" I-year/1 year
14	Rishika Singh	1423055	Bsc. Hons Botany 1st year
15	Tarita Divesh	1423039	Bsc. Hons Botany 1st yr
16	Sreelekshmi S	1423054	Bsc. Hons Botany I Yr.
17	Nivisha V	1423038	Bsc. Botany (Hons) I year
18	Dikshita Borca	1423050	Bsc. Botany (Hons) I year
19	Sukruti Sitaraman	1423053	Bsc. (Hons) Biological Sciences I st yr
20	Samridhi Choudhary	1422043	Bsc Botany (Hons) II nd year
21	Kaitika	1422002	"
22	Mounisha	1422013	"
23	Shouya	1422041	"
24	Gurujita	1422001	"
25	Bansha	1423002	Bsc Botany Hons I year
26	ARsh	1423053	Bsc. Botany Hons. 1st yr
27	Gami Thakur	1423023	Bsc. Botany Hons. First year
28	Anjali	1423025	Bsc. Botany Hons. First Year
29	Anushka Goel	1423008	BSC Botany Hons First y

2.	Nimisha Pratihast	1323070	B.Sc (H) Biological Sciences, 1 st year
3.	Adarsh Singh	1323066	B.Sc (H) Biological Sciences, 1 st year
1.	Dakshita Mishra	1323059	B.Sc (H) Biological Sciences, 1 st year
30	Ankita Padiya	1423012	B.Sc. Botany (Hons) 1 st year
31	Sakshi Kumari	1423035	B.Sc Botany (Hons) 1 st year
32	Neeraj Kumar	1423019	B.Sc. Botany (Hons) 1 st year
33	Sweeta Choudhary	1423045	B.Sc Botany (Hons) 1 st year
34	Fatima Ansari	1323027	B.Sc (H) Biological Sciences 1 st year
39	Sushant C	1422019	B.Sc (H) Botany Hons 2 nd
36	Ranek Rathod	1323020	B.Sc (H) Biological Science 1 st year
37	Aryan K.	1423013	B.Sc (H) Botany 1 st year
38.	Sahil Raj	1423049	B.Sc (H) Botany 1 st year
39.	Aman Singh	1423037	B.Sc (H) Botany 1 st year
40.	Atul K. Surya	1423006	B.Sc (H) Botany 1 st year
41.	Deepak Dutt	1423040	B.Sc (H) Botany 1 st year
42.	Rishab	1422007	B.Sc (H) Stats 2 nd year
43	Ayush Ayushman	1421012	B.Sc (H) Botany 5 th yr
44	Janhavi Sharma	1323038	B.Sc (H) Biological Sciences
45	Mishal Riniha	1323033	B.Sc - (H) Biological sciences
46	Pavithri Chauhan	1322004	B.Sc (Hons) Biological Sciences
47	Sudha Arshak	1322002	B.Sc. (H) Biological Sciences, II
48	Anisha Siddiqui	1322013	B.Sc (H) Biological Sciences, II
49	Suzmita Verma	1322034	B.Sc. (H) Biological Sciences
50	Kunchak Madan	1323054	B.Sc (H) Bioscience (I)
51	Niharika	1323047	B.Sc (H) Biological Sciences (1 st)
52	Pragati Gupta	1423046	B.Sc (H) Botany 1 st yr.
53	Pragati Sharda	1423048	B.Sc (H) Botany 1 st yr
54	Soniya Meena	1423030	B.Sc (H) Botany 1 st yr.
55	Kumari Riya	1423051	B.Sc (H) Botany 1 st yr.
56	Srishti Rathore	1423026	B.Sc. Life Science, 2 nd year
57	Anisha Kumari	1122902	B.Sc Life Science, 2 nd yr.
58	Anisha Kumari	1122138	B.Sc Biological Sciences.
59	Priya Singh	1323017	B.Sc Biological Sciences 1 st year
60	Anash Shaikh	1323068	B.Sc Biological Sciences 1 st year
61	Pink	1323072	

S.No.	Name	Roll No.	Course
65.	Sreka		
66.	Bhanti	1323040	BSc (H) Biological Science
67	Shruti Singh	1323019	BSc (H) Biological Science
68		1323044	BSc (H) Biological Science
69	Drishti Sethi	1323031	BSc (H) Biological Science
70	Ayali Verma	1322053	BSc (H) Biological Science
71	Aditi Kumari	1322031	BSc (H) Biological Science
72	Aprajita	1322018	BSc (H) Biological Science
73.	Nitin	1322035	BSc (H) Biological Science
74.	Sushant	1322063	"
75	Shubhang	1322061	"
76.	Haash	1322026	"
77.	Arshdeep Kaur	1322040	"
78	Arjun	1322001	"
79	Tanya (S) Sedharth	1322009	BSc (H) Biological Science
80	Kritika Chaturvedi	1323035	"
81	Aditi Gaur	1323058	"
82	Mohd. Tahoor	1323042	"
83.	Aditya Kr	1323063	"
84.	Shiv Kumar Maurya	1323052	"
85	Ujjwal Kr.	1323023	"
86	Elvin	1323015	"
87.	Abhimanyu	1323002	"
88	Gaurav Khajuria	1323073	"
89	DEEPANSHU	1122125	B.Sc. Life Sciences
90	Danish Babaria	1423042	B.Sc (Hons) - Botany
91	Bhumnika Sagar	1323049	BSc (H) Biological Science
92	Ayushi Singh	1323045	BSc (H) Biological Science
93	Aayushi Nain	1423001	BSc (H) Botany (I)
94	Suhani Yadav	1423015	BSc (H) Botany (I)
94	Vanshika	1323061	BSc (H) Biological Science

TOPIC		DATE	
S No	Name	Roll No.	Course
95	Kanchan Rawat	1122051	Bsc Life Science (II)
96	Priyanshi Gupta	1323069	Bsc Biological science
97	Alka	1423011	Bsc (Hons) Botany (I)
98	Kritika	1422047	Bsc (Hons) Botany
99	Chandika Shekhar Chauhan	1422059	"
100	Geetika	1422058	"
101	Geeta Gupta	1322049	Bsc (H) Biological science

Event Convenor and Teacher-in-charge:

Prof. Shukla Saluja (Professor, Department of Botany)

Event Co- Convenor(s):

Dr. Aditi Kothari Chhajer (Assistant Professor, Department of Botany)

Dr. Pamil Tayal (Assistant Professor, Department of Botany)

Dr. Pooja Gokhale Sinha (Assistant Professor, Department of Botany)

Dr. Sunita Yadav (Assistant Professor, Department of Botany)

Dr. Manoj Thakur (Assistant Professor, Department of Botany)

Dr. Shweta Sharma (Assistant Professor, Department of Botany)



Tirumala Tirupati Devasthanams

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Sri Venkateswara College
(University of Delhi)

NAAC Grade A+

CERTIFICATE

This is to certify that the Seminar on Leveraging the synergy between omics and biology is key to trait modification and crop improvement at Inaugural function was successfully conducted on 11th October, 2023 from 10:30 AM to 12:30 PM by the 'INVOLUCRE' Department of Botany in the Offline mode and its event report has been submitted to IQAC for records.

Shukla Saluja
Event In-Charge

(Prof. Shukla Saluja)

Swarn Singh
IQAC Coordinator

(Prof. Swarn Singh)
Coordinator, IQAC
Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110021

K Chandramani
Principal

(Prof. K Chandramani)
PRINCIPAL (Acting)
Sri Venkateswara College
(University of Delhi)
Dhaura Kuan, New Delhi-110021