



SRI G.V.G. VISALAKSHI COLLEGE FOR WOMEN

Autonomous & Affiliated to Bharathiar University
Accredited at A⁺ Grade by NAAC
Udumalpet – 642128, Tamil Nadu.

www.gvgvc.ac.in ; principal@gvgvc.ac.in,
Ph.04252-223019; Fax:04252-2233111



DEPARTMENT OF ZOOLOGY

Organizes a

Guest Lecture on

(Under the DBT Star Status Scheme)

“Drosophila melanogaster a Genetic Model: Axes and Pattern Formation.”



Sri G.V.G. Visalakshi College For Women
(Autonomous)
Affiliated to Bharathiyar University
A⁺ Grade By NAAC (4th Cycle)
An ISO 9001-2015*Certified Institution Udumalpet



Management System
ISO 9001:2015
www.iso.com
ID: 310000017



75
Azadi Ka
Amrit Mahotsav



DEPARTMENT OF ZOOLOGY
Government of India

ONLINE GUEST LECTURE
UNDER THE DBT STAR STATUS SCHEME

On

**“DROSOPHILA MELANOGASTER. A GENETIC
MODEL: AXES & PATTERN FORMATION”**



Organized by Department of Zoology

Resource Person



Dr.A.NAJITHA BANU M.Sc ., M,Phil., Ph.D
Assistant Professor
Department Of Zoology,
School Of Bio Sciences
Lovely Professional University
Punjab, India

Date : 16/12/2023
Time : 1:30- 3:30 Pm
Venue: Conference Hall -1

HEAD OF THE DEPARTMENT Dr.S.Kalaichelvi
DBT CO- ORDINATOR Dr.D.Abirami
PRINCIPAL Dr.N.Lakshmi i/c

ORGANIZING COMMITTEE
DR.S.BEULA AGNES
DR.K.MANIMEGALAI
DR.M.MOHANASUNDARI

Google Meet Link:
<https://meet.google.com/vou-xsvd-gpa>





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“BATS IN INDIAN SUBCONTINENT” Report - Minutes

23

Guest Lecture

ON.

*Drosophila Melano Gaeter. A Genetic Model:
Axes and Pattern formation*

Date: 16/12/2023

Time: 1:30 - 3:30 PM

Venue: Conference Hall 1.

Resource Person:

Dr. A. Najitha Banu

Assistant Professor

Department of Zoology

School of Bio-Sciences

Lovely Professional University

Punjab, India.

Beneficiaries: 118 students and 5 faculties

Resource person Dr. A. Najitha Banu

enlightened the audience about *Drosophila* - A genetic model. She explained the role of genes in development of *drosophila* includes blastoderm, syncytial blastoderm, cellular blastoderm, segment identity and life cycle of *drosophila*.

Outcome:

Students were highly motivated by her speech and they intend to continue their studies and research in the near future.

Signature of the
DBT Coordinator

Signature of the
HOD

Signature of the
Principal

PRINCIPAL i/c
SRI G.V.G. VISALAKSHI COLLEGE
FOR WOMEN (AUTONOMOUS)
VENKATESA MILLS (POST),
UDUMALPET - 642 128.

1. Sreelakshmi
2. K. L. G.

S. M. Mohan



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List of Beneficiaries - 118



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Fax: 04252-2233111



Online Guest Lecture On

“*Drosophila melanogaster* a Genetic Model: Axes and Pattern Formation”

Department of Zoology – List of Beneficiaries

Date: 16.12.2023

Venue: Conference Hall I

S. No	Reg.No	Name of the Student	Signature
1.	23BZ1366	DEVASMITA.D	Devasmita D
2.	23BZ1367	DHARANI.K	K. Dharani
3.	23BZ1368	DHARSHINI.K	K.D. Dharsini
4.	23BZ1369	FATHIMA.H	H. Fathima
5.	23BZ1370	GOKILAVANLP	P. Gokilavani
6.	23BZ1371	HARSATHA.J	Harsatha J
7.	23BZ1372	JANANI.A	A. Janani
8.	23BZ1373	PADMAABIRAMLS	Padma abirami S
9.	23BZ1374	PONNARASLM	M. Ponnarasli
10.	23BZ1375	PRAVEENA.G	G. Praveena
11.	23BZ1376	PREETHI.P	Preethi P
12.	23BZ1377	PRIYADARSHINI.G	G. Priyadarshini
13.	23BZ1378	PRIYADHARSHINI.S	Priyadharshini S
14.	23BZ1379	RAMYA.S	S. Ramya
15.	23BZ1380	SANGAVIK	K. Sangavi
16.	23BZ1381	SOUNDHARYA.V	V. Soundharya
17.	23BZ1382	SRIPRASANNA.M	M. Sri Prasanna
18.	23BZ1383	SUBIKSHA.N	N. Subiksha

S. No.	Reg. Nu	Name of the Student	Signature
19.	22BP0755	SIVARANJANI M	M. Sivaranjani
20.	22BZ0771	ABINANDHANA K	K. Abin
21.	22BZ0772	ABINAYA V	V. Abinaya
22.	22BZ0773	AMUTHA BHARATHI T	T. Amutha Bharathi
23.	22BZ0774	ASHIKA ALMAS N	N. Ashika Almas
24.	22BZ0775	DHARANI G	G. Dharaani
25.	22BZ0776	GOWSALYA V	V. Gowsalya
26.	22BZ0777	KARTHIKA S	S. Karthika
27.	22BZ0778	KARTHIKAUDHAYADHARSHINI R	R. Karthika Udhaya Dharshini
28.	22BZ0779	KAVIYA B	B. Kaviya
29.	22BZ0780	KAVYA G	G. Kavya
30.	22BZ0781	KIRUTHIKA D	D. Kiruthika
31.	22BZ0782	KOKILA S	S. Kokila
32.	22BZ0783	KOWSALYA DEVI T	T. Kowsalya Devi
33.	22BZ0784	NANDHINI E	E. Nandhini
34.	22BZ0785	NANDHINI K	- Absent -
35.	22BZ0786	NIVETHA S	S. Nivetha
36.	22BZ0787	PRIYADHARSHINI K	K. Priyadharshini
37.	22BZ0788	SHAKTHI T	T. Shakthi
38.	22BZ0790	SRINITHI R	R. Srinithi
39.	22BZ0791	SRINITHYA M	M. Srinithya
40.	22BZ0792	SUJITHRA S	S. Sujithra
41.	22BZ0793	SURYA R	R. Surya
42.	22BZ1206	JAYASRI S	S. Jayasri

S.No	Register No	Name of the Student	Signature
43.	21BZ0162	G. AARTHI	G. Arathi
44.	21BZ0163	N. AVILA	N. Avila
45.	21BZ0165	S. BHUVANESWARI	Long Absent
46.	21BZ0166	P. DHARSHINI	P. Dharshini
47.	21BZ0167	S. DHIVYA	S. Dhivya
48.	21BZ0168	S. DHIVYA MARIYAMMAL	S. Dhivya Mariyammal
49.	21BZ0169	A. JANANY	A. Janany
50.	21BZ0170	S. KALAIVANI	S. Kalavani
51.	21BZ0171	M. KOKILA	M. Kokila
52.	21BZ0172	K. MANIMEKALA	K. Manimekala
53.	21BZ0173	V. NIROJA	V. Niroja
54.	21BZ0174	S. PAVITHNA	S. Pavithna
55.	21BZ0175	M. ROSHIYA	M. Roshiya
56.	21BZ0176	S. SANGEETHA	S. Sangeetha
57.	21BZ0177	M. SARANYA	M. Saranya
58.	21BZ0178	S. SATHYAROOBHA	S. Sathyarobha
59.	21BZ0179	S. SHRILEKHA	S. Shrilekha
60.	21BZ0180	G. SIVAPRIYADHARSHINI	G. Sivapriyadharshini
61.	21BZ0181	K. SUJITHA	K. Sujitha
62.	21BZ0182	S. THOWLATH	S. Thowlath
63.	21BZ0183	T. VINOETHA	T. Vinotha
64.	19BZR8309	K.SARANYA	K. Saranya

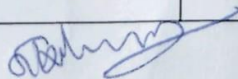
S.No	Register No	Name of the Student	Signature
65.	23MZ1791	ASHA FATHIMA. A	Asha fathima A
66.	23MZ1792	BARANLP	Barani P
67.	23MZ1793	DEEKSHITHA.S	Deekshitha .S.
68.	23MZ1794	HARSHADA BANU.H	Harshada Banu .H
69.	23MZ1795	KAVIPRABHA .T	Kaviprabha .T
70.	23MZ1796	NIVETHA.S	Nivetha .S
71.	23MZ1797	RENUGA.R	Renuga .R
72.	23MZ1798	SAI KIRTHANNA.S.G	Sai Kirthanna S.G.
73.	23MZ1799	SELVARANI A	- Absent -
74.	23MZ1800	SHOBANA.M	- Absent -
75.	23MZ1801	VANLR	R.Vani.
76.	22MZ1194	JAYA SUBHA SNEKA B	B.Jay.
77.	22MZ1196	REVATHY S	S. Revathy .
78.	22MZ1197	SANGEETHA V	- absent -
79.	22MZ1198	SHEELA J	J.Sheela

Program: Guest lecture.

Date: 15-12-2023.

S.No	Register No	Name of the Student	Department	Signature
80	23BC1342	K. Anugharshini	Ist chemistry	K. Anugharshini
81	23BC1345	P. Hemalatha	Ist chemistry	P. Hemalatha
82	23BC1341	L. Abana	Ist chemistry	L. Abana
83	23BC1361	G. Rashika	Ist chemistry	G. Rashika
84	23BC1343	S. Duraiyammal	Ist chemistry	S. Duraiyammal
85	23BC1363	S. Sathya	Ist chemistry	S. Sathya
86	23BC1352	M. Madhumitha	Ist chemistry	M. Madhumitha
87	23BC1356	K. Priyadharsini	Ist chemistry	K. Priyadharsini
88	23BC1362	V. Sasmitha	I-B.Sc Chemistry	V. Sasmitha
89	23BC1350	S. Kiruthika	I-B.Sc Chemistry	S. Kiruthika
90	23BC1359	S. Ramya	I-B.Sc chemistry	S. Ramya
91	23BC1346	A. Ilakkiya	I-B.Sc Chemistry	A. Ilakkiya
92	23BC1347	S. Jesima	I-B.Sc Chemistry	S. Jesima
93	23BC1353	A. Nila	I-B.Sc Chemistry	A. Nila
94	23BC1354	S. Priyadharsini	I-B.Sc Chemistry	S. Priyadharsini
95	23BC1351	A. Koushika	I-B.Sc chemist	A. Koushika
96	23BC1349	K. Keerthana	I-B.Sc chemistry	K. Keerthana
97	23BP1335	A. Sabana Banu	I-B.Sc Physics	A. Sabana Banu
98	23BP1336	S. Sabana	I-B.Sc Physics	S. Sabana
99	23BP1332	K. Priyatha	I-B.Sc Physics	K. Priyatha
100	23BP1331	E. Manoranjitham	I-B.Sc Physics	E. Manoranjitham
101	23BP1340	R. Vaishali	I-B.Sc Physics	R. Vaishali
102	23BP1339	M. Subasika	I-B.Sc Physics	M. Subasika
103	23BP1329	R. Harini Devi	I-B.Sc physics	R. Harini Devi
104	23BP1337	S. Salma mahjabeen	I BSC physics	S. Salma mahjabeen

S.No	Register No	Name of the Student	Department	Signature
105	23BP1328	Hajira Banu .J	IB&physics	Haji
106	23BP1333	Radhalakshmi .S	IB&physics	Rd
107	23BP1327	G. Davelath nisha .	I-BS&physics.	B. Davelath nisha
108	23BP1338	Sangavi .S	I-BS&physics.	Sangavi S.
109	22MM1139	S. Bhavadharini	Mathematics	S. Bhavadharini
110	22MM1145	K. Padmapriya	Mathematics	K. Padmapriya
111	22MM1138	D. Bala Esuari	Mathematics	D. Bala Esuari
112	22MM1137	A. Anushi	Mathematics	A. Anushi
113	22MM1143	L. Lishalini	Mathematics	L. Lishalini
114	22MM1147	I. Safrin Fatima.	Mathematics.	I. Safrin Fatima.
115	22MM1140	R. Dharani shree	Mathematics	R. Dharani shree
116	22MM1141	D. Kavi shree	Mathematics	D. Kavi shree
117	22MM1142	T. Kiruthika	Mathematics	T. Kiruthika.
118	22MM1146	B. Ramya	Mathematics	B. Ramya.


 Signature of HOD
 (Dr. Kalachelvi.S)



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Photos

The screenshot shows a Google Meet window with a presentation slide titled "WHO & MI". The slide features a photograph of a hedgehog on the left and a diagram of a hedgehog's body on the right. The diagram is labeled with "Naked outflow", "Segment", and "Denticles". Below the diagram are three panels labeled A, B, and C, showing different views of the hedgehog's body segments. The Meet interface includes a video feed of the presenter, "Najitha Banu", and a list of participants. The system tray at the bottom shows the time as 2:12 PM and the date as 12/16/2023.

The screenshot shows a Google Meet window with a presentation slide about fly anatomy. The slide features a diagram of a fly's body with color-coded segments. Above the diagram are two gene clusters: "Antennapedia cluster" (containing lab, Dfd, Scr, Antp) and "bithorax cluster" (containing Ubx, abdA, AbdB). The diagram is divided into three regions: "Head", "Thorax (T1-T3)", and "Abdomen (A1-A8)". Three numbered boxes provide information: 1. "Genes...", 2. "...are expressed in the embryo...", and 3. "...and determine segments in the adult fly." The Meet interface includes a video feed of the presenter, "Najitha Banu", and a list of participants. The system tray at the bottom shows the time as 2:22 PM and the date as 12/16/2023.



Feed back - guest lectures - gvg x Meet - vou-xsvd-gpa x +

meet.google.com/vou-xsvd-gpa?pli=1

n najitha 21553 (Presenting)

MUTATION CASE

Antenna

Leg in place of antenna

Haltere

Zoology Zoology (gvgzoolog...)

2:29 PM | vou-xsvd-gpa

27°C Haze 2:29 PM 12/16/2023

GPS Map Camera

Udumalaipettai, Tamil Nadu, India
 H7H8+992, Udumalaipettai, Tamil Nadu 642128, India
 Lat 10.577921°
 Long 77.265601°
 16/12/23 02:11 PM GMT +05:30

Google



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Feedback

Feed back

Drosophila melanogaster - Axes and Patterns
- Najitha Banu. A

This session was very useful to know about the interesting facts of *Drosophila melanogaster*. She clearly explained about the body structures. It will be useful for our future studies and for research purpose. Thanks for giving this wonderful opportunity to know about *Drosophila*. Once again I thank our department faculties to organize this program.

By

S. Parithra

iii - B.Sc Zoology

20/12/22.

Feedback.

Drosophila Melanogaster:-

I enjoyed this session very much. We gained lots of information about Drosophila Melanogaster. Thanks to Najitha mam for spending their precious time for us. Thanks to manimegalai mam for arranging this knowledgeable session. This is very useful for our higher studies.

J. Harsatha
I-BSc Zoology.
