



MMK & SDM MAHILA MAHAVIDYALAYA

KRISHNAMURTHY PURAM, MYSORE

Department of Biochemistry

REPORT ON

One day workshop on

'Drosophila as a model for research in biology'

2022

DATE: 03/01/2022

TIME: 9.30 am to 5.30 pm

CONVENER FROM MMK & SDM MMV: Dr. Wethroe Kapfo, Department of Biochemistry

CONVENER FROM PBMMEC: Dr. Girish, Department of Biochemistry

INAGURATER: Prof. Sainath Malligemadu, Principal

VENUE: Pooja Bhagavat Memorial Mahajana Education Centre, PG wing of SBRR Mahajana FGC, Metagalli, Mysuru

BENEFICIARIES: 31 II B.Sc (BMBt) students of MMK & SDM Mahila Maha Vidyalaya, Krishnamurthy Puram, Mysuru


PRINCIPAL
MMK & SDM Mahila Mahavidyalaya
Krishnamurthy Puram, Mysore-570 004

Workshop Objectives

- Providing a hands-on experience to students on handling, culturing and maintaining drosophila in the laboratory
- Educating students about the life cycle and genetic makeup of drosophila
- Educating students on using drosophila as a model organism for research in biology

Proceedings of the workshop

1. Practical sessions:

- a. Detailed practical session on preparation of media, culturing, anesthetizing, and identifying male and female drosophila, was conducted.
- b. The effect of rotenone on the antioxidant levels and protein levels in drosophila was estimated by performing glutathione and Lowry's assay

2. Theory sessions:

- a. Detailed lectures on the importance and possibilities of using drosophila as a model organism was delivered by experts in the field

3. Question and answer session:

- a. An interactive and informative question-answer session enabled students to obtain clarity on the subject and gain newer insights into the biology of drosophila

Workshop Outcome

1. The students got a hands-on experience in identifying, handling and experimenting with drosophila
2. They learnt to perform biochemical assays following treatment with a specific drug or chemical in an *in vivo* model
3. They gained an in-depth knowledge about the life cycle and genetics of drosophila
4. The students learnt extensively about the various possible areas of research in which drosophila can be used as a model organism

Conclusion

The workshop provided a hands-on experience in handling and culturing drosophila under laboratory conditions. The workshop not only provided extensive practical and theoretical knowledge about drosophila, but it was also successful in inculcating a scientific and research bent of mind in students. The interactive sessions with the experts in the field enabled students to gain newer insights into the biology of drosophila.



PRINCIPAL

MMK & SDM Mahila Vishwavidyalaya
Krishnamurthypuram, Mysuru-570001

Photo Gallery

One day workshop on 'Drosophila as a model for research in biology'
conducted on 03-01-2022



Mysuru, Karnataka, India
Unnamed Road, Metagalli, Mysuru, Karnataka 570003, India
Lat 12.362969°
Long 76.62922°
03/01/22 01:40 PM



Mysuru, Karnataka, India
Unnamed Road, Metagalli, Mysuru, Karnataka 570003, India
Lat 12.362984°
Long 76.629212°
03/01/22 01:40 PM



Mysuru, Karnataka, India
9J7H+2C7, Metagalli, Mysuru, Karnataka 570003, India
Lat 12.362996°
Long 76.628978°
03/01/22 04:46 PM



Mysuru, Karnataka, India
9J7H+2C7, Metagalli, Mysuru, Karnataka 570003, India
Lat 12.362959°
Long 76.628982°
03/01/22 04:44 PM



Mysuru, Karnataka, India
Unnamed Road, Metagalli, Mysuru, Karnataka 570003, India
Lat 12.362968°
Long 76.629192°
03/01/22 11:49 AM


PRINCIPAL

MMK & SDM Mahila Maha Vidyalaya
Krishnamurthyapuram, Mysuru-570003

M.M.K.**&****SHRI DHARMASTHALA MANJUNATHESHWARA MAHILA MAHAVIDYALAYA**

(Affiliated to University of Mysuru)

Krishnamurthypuram, Mysuru - 570 004

☎ : Principal : 0821 - 2330039 Mob. : 9886166750 Off. : 0821 - 2332865 Fax : 0821 - 2331431

www.sdmmmkmysore.inEmail : principal@sdmmmkmysore.in, sai_malligemadu@sdmmmkmysore.in(Managed by : **SDME Society (R.), Ujire**)PRESIDENT : **Dr. D. VEERENDRA HEGGADE**, Shri Kshetra Dharmasthala**Prof. Sainath Malligemadu**
Principal

Office of the Principal

Ref. No.: MMK & SDM / MMV / 394 / 20 21 20 22

To,

Director
Pooja Bhagavat Memorial Mahajana Education Centre
Metagalli
Mysuru- 11

Date : 28-12-2021

Sub: Request to conduct Workshop on "Utilization of *Drosophila* as a model for biological research" under MOU activities- Reg.

Dear Sir

Greetings of the day.

Regarding the subject, as we have signed the MOU with your esteemed institution recently, we would like to execute the same by conducting a workshop on "**Utilization of *Drosophila* as a model for biological research**" organised by Dept. of Biochemistry, MMK & SDM MMV and DOS in Biochemistry, PBMMEC at your laboratory for our II BSc. Students on 3rd January, 2022. We are aware of your laboratory facilities and wish to provide the opportunity to our students to be exposed to such techniques.

I, therefore, request you to kindly oblige and do the needful.

With Regards

Prof. Sainath Malligemadu

PRINCIPALMMK & SDM Mahila Maha Vidyalaya
Krishnamurthypuram, Mysuru-570004

o/c

27. Anusha. D. V

28. Sona. G. M

29. Supriya. H. P

30. Vaishnavee. P. J.

31. Anusha. S

January 9. M.

Supriya. H. P

Vaishnavee. P. J.

Anusha. S

PRINCIPALMMK & SDM Mahila Maha Vidyalaya
Krishnamurthypuram, Mysuru-570004

DROSOPHILLA WORKSHOP CERTIFICATE

Date / /

Page

SPLASH

03.01.2022

Signature

1.	Ananya R. Bhatta	Ananya Bhatta	rtwre
2.	Ananya S	Ananya S	uho
3.	Bhoomika D. R	Bhoomika D.R	
4.	Chaithanya A.P	Chaithanya	
5.	Chandana S	Chandana S	S.T
6.	Chinmaye Balakrishna	Chinmaye B.	
7.	G. Deepshikha	G. Deepshikha	
8.	Harshitha H	Harshitha H	
9.	Jagruthi Jain	Jagruthi Jain	
10.	Kavitha N	Kavitha N	
11.	Kumudini H. D	Kumudini	
12.	Kusuma S	Kusuma S	
13.	M. Shanmuga Priya	M. Shanmuga Priya	
14.	Nayana J	Nayana J	
15.	Nisarga C	Nisarga C	
16.	Nisha Varshini V	Nisha Varshini V	
17.	Pranohika M	Pranohika M	
18.	Priyanka Pradhan	Priyanka	
19.	R. M. Bhuvana	R. M. Bhuvana	
20.	Rakshitha R	Rakshitha	
21.	Risha Bopanna C	Risha Bopanna C	
22.	Sahana G	Sahana G	
23.	Sahana N. Bhat	Sahana N. Bhat	
24.	Shreetha N. S	Shreetha N. S	
25.	Shruthi Kumari Singh	Shruthi	
26.	Sinchana S	Sinchana S	
27.	Sruha B. S	Sruha B. S	
28.	Sona G. M	Sona G. M	
29.	Supriya H. P	Supriya H. P	
30.	Valshnavee P.J.	Valshnavee P.J.	
31.	Anusha S	Anusha S	

PRINCIPAL

MMK & SDM Mahila Maha Vidyalaya
Krishnamarthyapuram, Mysuru-570003



Department of Studies in Biochemistry

ಪೂಜಾಭಾಗವತ ಸ್ಮಾರಕ ಮಹಾಜನ ಸ್ಮಾರಕೋತ್ತರ ಶಿಕ್ಷಣ ಸಂಸ್ಥೆ, ಮೈಸೂರು

Pooja Bhagavat Memorial Mahajana Education Centre

PG Wing of SBRR Mahajana First Grade College (Autonomous)

Metagalli, Mysuru-570016

and

Mysore Makkala Koota & Shri Dharmasthala Manjunatheshwara Mahila Mahavidyalaya

Krishnamurthypuram, Mysuru-57004

Jointly present

First One day workshop on

"Drosophila : An Ideal model for Research in Biology"



Certificate



This is to certify that

Ms. **RM BHUVANA**.....

has successfully participated in a one day workshop on 3rd January 2022

organized by Department of Studies in

Biochemistry, Pooja Bhagavat Memorial Mahajana Education Centre,

PG Wing of SBRR Mahajana First Grade College (Autonomous)

Metagalli, Mysuru

Dr. Girish Chandran
Organizing Secretary
Coordinator Biochemistry
PBMMEC, Mysuru

Dr. Raghavendra Hegdekatte
Assistant Professor
DoS in Biochemistry
PBMMEC, Mysuru

Dr. S.R. Ramesh
Chief Scientist
Life Sciences
PBMMEC, Mysuru

Dr. Wethade Kapfo
Assistant Professor and Head
Dept. of Biochemistry
MMK SDM MM, Mysuru

Dr. Sainath Malligemadu
Principal
MMK SDM MM
Mysuru

Dr. C.K. Renukarya
Director
PBMMEC, Mysuru