

"Jai Sri Gaurdev"

Sri Adichunchanagiri First Grade College.  
Channarayapatna - 573116.

ACHIEVER  
Date: / /

Date: 20/03/2024

Department of Zoology  
Circular



Hereby, it is informed to the students of II, IV and VI Semester that, on 26<sup>th</sup> March 2024 Special lecture Programme has been organized by department of Zoology and IAAC.

There will be lecture on "Mosquito borne diseases and its control by using Botanical Compounds". All students should assemble in 201 Seminar hall by 11am. Compulsorily

Dr. Nisipama M. Drip

Radhamma Km Km

Inform to II & IV Semester Zoology Students Km  
Inform to VI Semester Zoology Students Drip

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Principal  
Sri Adichunchanagiri First Grade College  
Channarayapatna.



|| Jai Sri Gurude ||

**Sri Adichunchanagiri First Grade College**

**Channarayapatna-573116**



**Department of Zoology**

**in Collaboration with IQAC**



*Special lecture Programme on*

**“Mosquito Borne Diseases and Its Control by Using Botanical Compounds”**

**Date: 26-03-2024,**

**Time: 11 AM**

**Venue: Seminar Hall**

**Divine Blessings**

**His Holiness Paramapoojya Jagadguru Padmabhushana  
Sri Sri Sri Dr. Balagangadharanatha Mahaswamiji**

**Gracious Blessings**

**Sri Sri Sri Dr. Nirmalanandanatha Mahaswamiji  
Poojya Sri Sri Shambhunatha Swamiji**

**Prayer : Kum. Apoorv M S., I B.Sc.,**

**Welcome Speech : Kum. Shivani, II B. Sc.,**

**Introductory Speech: Dr. Nirupama M, HOD of Zoology, SAFG College**

**Resource persons : Dr. T. K Mohan Kumar, M . Sc., Ph.D, Assistant Professor  
in Zoology, Department of Studies in Zoology, University of  
Mysore, Mysuru.**

**Presidential Speech : Dr. M.K. Manjunatha, Principal, SAFG College**

**Vote of Thanks : Mrs. Radhamma K M, Assistant Professor, Zoology Dept.,**

**Anchoring : Kum. Subha S L, III B. Sc.,**

**Cordially invite the Students and Staff from  
SAFG College, Channarayapatna**

# **Sri Adichunchanagiri First Grade College,**

**Channarayapatna-573116**

## **Department of Zoology**

### **Report on Special Lecture programme on “Mosquito borne diseases and its control by Botanical Compounds”**

**Date: 26.03.2024**

On Tuesday, March 26, 2024, the Department of Zoology and IQAC collaborated to host a special lecture programme on the topic of "Mosquito borne diseases and its control by botanical compounds."

Student Kum. Subha S L. served as the program's anchors, and student Mr. Praveen, III B. Sc. sang the invocation song at the beginning. The programme began at 11.00 AM. The main guests watered the plant while Kum. Shivani, II B. Sc., welcomed and introduced each dignitary. Dr. Nirupama M., HOD of Zoology, SAFGC introduce the chief guest and also discussed about the importance of special lecture programme to know about vector borne diseases and their control measures by using bioactive compounds.

During the special lecture, "Mosquito borne disease and its Control by Botanical compounds," Dr. Mohan Kumar T. K., an assistant professor in the Department of Studies in Zoology at Manasagangotri, University of Mysore, was the chief guest. He describes the route of transmission as occurring when a mosquito feeds on blood and ingests any viruses or parasites present in the blood. By its saliva, the mosquito can spread these viruses and parasites to the next person it bites. Any disease that is spread in this way from mosquito to human (or animal) is known as a 'mosquito-borne disease'. Common types of mosquito-borne diseases include malaria, dengue, West Nile virus, chikungunya, yellow fever and Zika. He also talks about life cycle of mosquito which includes egg, larva, pupae and adults and types of mosquito and their causing diseases. What are the differences between them and how do we identify the different species and what are the diseases caused by each species. The Centres for Disease Control and Prevention (CDC) note that major mosquito-borne diseases in the United States trace back to just three primary mosquito categories: Aedes, Culex and Anopheles mosquitoes.

Serious dengue symptoms frequently appear after the fever has subsided: severe stomach ache, nausea that doesn't go away, fast breathing, nose or gum bleeding, lassitude and agitation. Globally, controlling mosquitoes has become a top issue for public health. He discusses the use of plants and animals as biological controllers. Using fish that are predators and feed on mosquito larvae is one of the oldest biological strategies for managing larval habitats and suppressing mosquito larvae. Worldwide, mosquito control has been a top goal for public health. He discusses the biological control mechanisms used by plants and animals. One of the first biological strategies for managing larval habitats and suppressing mosquito populations is the employment of predatory fish that eat mosquito larvae. There is a wide variety of mosquito-repelling plants that you can use to drive away adult insects, such as:

- aromatic herbs including basil, lemon balm, mint, tansy, and thyme.
- ornamentals such as ageratum, marigolds, catnip, geraniums, and bee balm.
- shrubs such as lavender and rosemary.

It has been observed that phytochemicals such as terpenoids, steroids, and alkaloids have insecticidal properties. It was noted that phytochemicals with no negative effects on species other than the target are readily biodegradable. There are no reports on the emergence of plant-based resistance. Then also he talks about the methods of isolation of bioactive compounds from different plants by using Soxlet apparatus and Structural elucidation by IR, UV, and NMR.

Finally, A vote of gratitude is given to each and every gathering by Mrs. Radhamma K M Assistant Professor, Department of Zoology. More than 80 students took part in and used this programme. The program was concluded by distributing snacks to the students.



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*Divya*  
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*Me. Jeevathamma K*  
Principal  
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Channarayapatna-573 116



# Special Lecture programme on "Mosquito borne diseases and its control by Botanical Compounds" Date:26-03-2024



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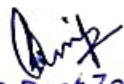
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# "Masquito Borne disease and its control

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by using Botanical



01	Bhanath Gowda KM	II Sem	Bhanath	
02	Bhavona	II Sem	Bhavona	Informative
03	Sncha	II Sem	Sncha	Informative
04	Sharifa B	II Sem	Sharifa	Informative
05	Musina Suvar	II Sem	Musina	Excellent
06	Direkhan	II Sem		Nice
07	Tejaswini	II Sem		Good
08	Rakshitha. A.M	II Sem	Rakshitha	Excellent
09	Bhavona. P.R	II Sem	Bhavona	Excellent
10	Dinya. M.S.	II Sem	Dinya. M.S.	Excellent
11	Bhavona	II Sem	Bhavona	Nice
12	Nischitha. T.M	II Sem	Nischitha.	Nice
13	Apoorva. M.S.	II Sem		Nice
14	Shobhank. S.G	II Sem		Good
15	Sathish. M	II Sem	Sathish. M	Good
16	UMESHA. S.D	II Sem	UMESHA S.D	Good
17	Chardana. A.C	II Sem		Good
18	Harekitha. D.S	II Sem		Good
19	Mythi.S	II Sem	Mythi.S	Good
20	Priyanka. B.B	II Sem	Priyanka. B.B	Good
21	Sarobhagya. K.S	II Sem	Sarobhagya. K.S	Nice
22	Anushree. K.S.	II Sem	Anushree. K.S.	Fine
23	Ruksha. J	II Sem	Ruksha. J	Good
24	Rashmitha	II Sem	Rash	Fine
25	Sheetal	II Sem	Sheetal	Fine
26	Shambhavi. Y.S	VI Sem	Shambhavi	Good
27	Nisariga. M.R	VI Sem	Nisariga	Informative
28	Suchithra. K.R	VI Sem	Suchithra. K.R	Good
29	Bindu. K	VI Sem		Good
30	Nischitha. B.S	VI Sem	Nischitha	Good
31	SANA. B.N	VI Sem	Sana. B.N	V. Good



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32.	Sindhuvree . S	VI sem	Sindhuvree S	
33.	Anvutha. H. S	VI sem	Anu	Good
34.	Sushmitha. K. R	VI sem	Sush	Nice
35)	Janjay. B	6 <sup>th</sup> Sem	Janjay B	Fine
36)	Komal. G. K	VI sem	Komal G	Infostat
37)	SUHAS. S. L	VI SEM	Suhas	Good
38)	ABHILASHA. CM	VI Sem	Abhilasha CM	Trig Notic.
39)	Jayalakshmi A. g	VI sem	Jaya	V. Good
40)	Swathi. M. M	VI sem	Swathi	Good
41)	Saraswathi - C. N	VI sem	Saraswathi	Good
42)	Ranjitha. CN	VI sem	Ran	Good
43)	Spandana. K &	VI sem	Spandana	Good
44)	pooja H. K	VI Sem	Pooja	Good

*[Signature]*

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