

2023-24

**SHRI LAL BAHADUR SHASTRI DEGREE COLLEGE
GONDA**

Department of Zoology



A One Day Workshop

Organized by
Department of Zoology
On

"Medical Entomology"

(December 12, 2023)

[WORKSHOP REPORT]

A one day workshop on "Medical Entomology".



SHRI LAL BHADUR SHASTRI DEGREE COLLEGE, GONDA
श्री लाल बहादुर शास्त्री डिग्री कॉलेज, गोण्डा
AN AFFILIATED COLLEGE OF DR RAMMANOHAR LOHIA AVADH UNIVERSITY, AYODHYA, (U.P)

Department of Zoology
One Day Workshop

(December 12, 2023)

On
Medical Entomology

Organized by
Department of Zoology, SLBSDC, Gonda

Keynote Speakers

Lecture 1 (11.30 am to 12.45 pm)	Lecture 2 (12.45 pm to 1.30 pm)	Lunch Break (1.30 pm To 02.00 pm)	Lecture 3 (2.00 pm to 02.45 pm)	Lecture 4 (2.45 pm to 03.30pm)
Prof. Mukul Sinha Former Head, Deptt. of Zoology SLBSDC, Gonda	Prof. Ashok Kumar Dept. of Zoology MLKPG College, Balrampur		Shishir Tripathi HOD, Zoology SLBSDC Gonda	Dr. Satish K Tiwari Dept. of Zoology SLBSDC Gonda

Report on One Day Workshop on "Medical Entomology"

Date: 12th December 2023

Venue: Zoology Lab, Science Campus, Sri L.B.S. Degree College, Gonda

Participants: M.Sc. Zoology Students

Organized by: Department of Zoology, Sri L.B.S. Degree College, Gonda

Overview

The Department of Zoology at Sri L.B.S. Degree College, Gonda, organized a one-day workshop on "Medical Entomology" on December 12, 2023. The event aimed to provide in-depth knowledge on the role of insects in medical science, particularly their relevance in the transmission of diseases and public health. The workshop was an enriching experience for the participants, who were M.Sc. Zoology students eager to enhance their understanding of medical entomology.

Chief Speaker

Professor Mukul Sinha, Former Head, Department of Zoology, Sri L.B.S. Degree College, Gonda, was the chief speaker at the workshop. He is a renowned figure in the field of zoology with a particular expertise in medical entomology. His extensive experience and research in the field made his session a valuable learning experience for the participants.

Other Speakers

The workshop also featured several prominent speakers who contributed their insights and expertise to the subject matter:

1. **Professor Ashok Kumar**, Head, Department of Zoology, MLK PG College, Balrampur – Professor Kumar highlighted the importance of studying entomology for the early detection and control of vector-borne diseases. He emphasized the role of various insects such as mosquitoes, flies, and fleas in transmitting diseases like malaria, dengue, chikungunya, and typhus.
2. **Dr. Satish Kumar Tiwari**, Assistant Professor, Department of Zoology, Sri L.B.S. Degree College, Gonda – Dr. Tiwari discussed the modern techniques used in the identification and control of insect vectors. He explained how advancements in molecular biology and bioinformatics are aiding in tracking and controlling the spread of diseases by these vectors.
3. **Mr. Shishir Tripathi**, Head, Department of Zoology, Sri L.B.S. Degree College, Gonda – Mr. Tripathi focused on the local and regional relevance of medical entomology. He provided insights into the prevalence of certain vector-borne

diseases in the Gonda and Balrampur regions and discussed effective strategies for public health management.

Key Topics Discussed

1. **Insects as Vectors of Disease:** The workshop began with a detailed explanation of how insects serve as vectors, transmitting pathogens that cause diseases in humans. Mosquitoes, which transmit malaria, dengue, and yellow fever, were extensively discussed.
2. **Life Cycles of Key Medical Insects:** The participants were introduced to the life cycles of various insects, such as mosquitoes (*Anopheles*, *Aedes*, *Culex*), ticks, and fleas, to understand how they propagate diseases. The discussion also involved how environmental factors influence these life cycles and contribute to disease outbreaks.
3. **Public Health and Disease Control:** Strategies for controlling insect populations and reducing the risk of disease transmission were explored. Speakers emphasized the role of insecticides, environmental management, and community health awareness campaigns.
4. **Role of Entomology in Research:** The importance of medical entomology in research, particularly in the development of vaccines and insect-resistant crops, was discussed. The speakers stressed the need for continuous research in this area to better understand disease vectors and control methods.
5. **Recent Advances in Medical Entomology:** The latest research and technological advancements in medical entomology, including the use of genetic engineering to control insect populations and the application of remote sensing technology to predict disease outbreaks, were shared with the audience.

Interactive Sessions

The workshop featured interactive sessions where students engaged with the speakers in question-and-answer sessions. This allowed participants to clarify doubts and expand on their understanding of specific topics. The interaction between students and experts fostered a productive learning environment, encouraging critical thinking and research-oriented discussion.

Conclusion

The one-day workshop on Medical Entomology proved to be a highly informative event. The sessions provided participants with a comprehensive understanding of the role of insects in disease transmission and public health, while also introducing them to the latest research and technological advancements in the field. The presence of distinguished experts, such as Professor Mukul Sinha and other eminent speakers, made the event intellectually enriching. It was well-received by the M.Sc. Zoology students, who left with valuable knowledge and inspiration for future research in the field of medical entomology.



List of Participants (M.Sc. Zoology)

S.No.	ROLL NO.	STUDENT NAME	FATHER NAME
1	23040200111201	ABHISHEK KUMAR	HAJARI LAL
2	23040200111202	ALOK MISHRA	RAJ KARAN MISHRA
3	23040200111204	NARAYAN DUTT SONKAR	RAM BHAWAN SONKAR
4	23040200111205	SUMIT	PINNU
5	23040200111206	AFZA SIDDIQUI	MABOOD AHMAD SIDDIQUI
6	23040200111207	ANANYA MISHRA	ANAND KUMAR MISHRA
7	23040200111208	ANSHIKA RASTOGI	ASHOK RASTOGI
8	23040200111209	ANTIMA SINGH	SURJAN SINGH
9	23040200111210	ANUSHKA	SANTOSH KUMAR
10	23040200111211	AYUSHI SINGH	SANTOSH KUMAR SINGH
11	23040200111212	BEENU TIWARI	ASHOK KUMAR TIWARI
12	23040200111213	DEEPTI	SURYA LAL
13	23040200111214	DIVYANSHI PANDEY	DHEERAJ KUMAR PANDEY
14	23040200111215	DIVYANSHI SINGH	SURENDRA BAHADUR SINGH
15	23040200111216	FIZA SALMANI	MOHD SHARIF SALMANI
16	23040200111217	HANIFA ISLAM	IZHAR KHAN
17	23040200111218	JAYA PANDEY	SHESH NARAYAN PANDEY
18	23040200111219	KAJAL PANDAY	RAJESH KUMAR PANDAY
19	23040200111220	KOMAL	BANWARI LAL
20	23040200111221	MANSI	JAI PRAKASH
21	23040200111222	MUSKAN JAISWAL	BACHCHA PRASAD JAISWAL
22	23040200111223	PRAGATI TIWARI	PAWAN KUMAR TIWARI
23	23040200111224	PREETI KANAUJIYA	PRAKASH CHANDRA KANAUJIYA
24	23040200111225	PRIYANKA SHUKLA	SATYADEV SHUKLA
25	23040200111226	RAJNI SHARMA	INDRA BHAN SHARMA
26	23040200111227	ROLI MISHRA	KANHAIYA LAL MISHRA
27	23040200111228	SADIYA SIDDIQUI	MUJIBUR RAHMAN SIDDIQUI
28	23040200111229	SAKSHI GUPTA	LALJI GUPTA
29	23040200111230	SANA	ASHRAF ALI
30	23040200111231	SAUMYA SINGH	DINESH BAHADUR SINGH
31	23040200111232	SAVITA KUMARI	NAGENDRA PRASAD
32	23040200111233	SHALINI GIRI	MAHESH KUMAR GIRI
33	23040200111234	SHANTI KASHYAP	SHIV SHANKER KASHYAP
34	23040200111235	SHUBHANGI MISHRA	RAKESH KUMAR MISHRA
35	23040200111236	TOSHI YAGYASENI	ANOOP KUMAR YAGYASENI
36	23040200111237	VAATIKA SINGH	LALJI SINGH
37	23040200111238	VISHAKHA DUBEY	NARENDRA KUMAR DUBEY