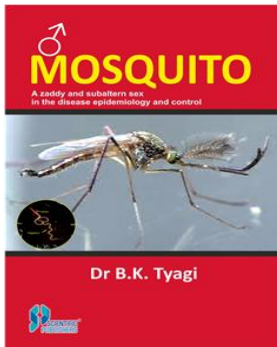


## MALE MOSQUITO : A Zaddy and subaltern sex in the disease epidemiology and control

[B. K. Tyagi](#)



ISBN	: 9789394645783	Book Format	: Book & eBook
Language	: English	Binding	: Hard Bound
Imprint	: Scientific Publishers	Edition	: 1
Pages	: 232	© Year	: 2023
Weight	: 512 Gms	Trim Size	: 6.50 x 9.50 x 0.50
Sub-Title	: A Zaddy and subaltern sex in the disease epidemiology and control		
Book Type	: Reference Book <input type="checkbox"/>		

**Print Book** : ₹3,295.00 ~~₹2,964.95~~ 10.01%Off

### Blurb

The '*Male Mosquito*' is a unique subject; thought-provoking and innovative. The male mosquitoes, which are generally considered of little or no use to humankind, directly or indirectly, are dealt with in great details to dig out their practical utility in controlling the deadly and incapacitating mosquito-borne diseases. In turn, male mosquitoes have emerged as a highly dependable tool in eliminating their far more obnoxious counterparts, the female mosquitoes. In fact, a great degree of biological knowledge about the female mosquitoes originate from the male mosquitoes only. The evolutionary development of genitalia, retention for long enough through millions of years their vegetative feeding as well as their experimental use as a carrier of lethal gene (RIDL) or bio-tool agent (*Wolbachia* spp.) are some of the new pieces of knowledge gained via male mosquitoes. Male mosquitoes are also pharmacologically important as their saliva contain anesthetic elements which may be exploited in future for man's own benefit.

In brief, female mosquito's own identity is due to their counterparts, the male mosquitoes which have specific genitalia traits. Generally, mosquitoes have a  $2n=6$  chromosome complement, with male mosquitoes being heterogametic. Thus, males are differing from females in having a Y-chromosome, in addition to an X chromosome which is common to both sexes (Females have two XX). Recently identification of male genes in the Y-chromosome has further opened up a new chapter in questing for novel genetically advanced vector control mechanisms and processes.

The book, '*Male Mosquito*', a unique treatment of its kind ever, is full of novel information which make it an interesting read, almost a *vade mecum* for a serious researcher. Reading the book one will feel growing *au fait* about the mosquito biology – a subject so vital to innovate vector control methodologies and technologies. Here, the author offers his yet another *magnum opus* in as far as a healthy food for thoughts is concerned.

### Table of Contents

#### Preface

#### Foreword

#### Dedication

#### Acknowledgement

#### Prologue

1. The Mosquito
2. Mosquito Biology: Males v/s Females
3. Taxonomy, Zoogeography, and Biology
4. Mouthparts of Mosquitoes: Males vs Females
5. Salivary Glands and Saliva Characteristics: Males vs Female Mosquitoes
6. Antennal Sensorial Organs in Mosquitoes: Males vs Females
7. Genitalia of Mosquitoes: Males vs Females
8. Reproductive Behaviour of the Male Mosquito
9. Food and Feeding Mechanisms of Mosquitoes: Males vs Females
10. Mosquitoes' Sex Determining Mechanisms: Males vs Females

11. Gut Microbiota of Mosquitoes and Phylosymbiosis: Males vs Females
12. Male Mosquito Hormones: Male vs Females
13. Sexing Out Males and Females
14. Male-Specific Genome: The Sequence of a Region Containing the Sex Determination Switch in *Aedes Aegypti*
15. Male Mosquito-Based Applied Biomedical Significance Including Vector Control Strategies

References

This is computer generated document and does not require signature

Scientific Publishers

Date :- Sat Feb 08 2025