

# Manual of AFROTROPICAL DIPTERA

# Volume 3

True flies, or Diptera, constitute one of the largest orders of insects in the biosphere, with over 160,000 described species worldwide, more than 20,000 of which occur in the Afrotropical Region. They are as diverse morphologically and biologically as they are numerous and many groups have evolved spectacular structural adaptations that are commensurate with their environment and biology. During their long evolutionary history, virtually every terrestrial niche has been occupied by the Diptera, making them one of the most successful groups of organisms on Earth. Many have co-evolved in association with other organisms and become highly specialised parasites or parasitoids of a range of disparate groups of plants and animals. Whether focusing on their systematics, biology, biogeography, conservation, or the more applied aspects, the Diptera remain a fascinating and intriguing group. This four volume book, a collaboration of over 90 international experts on Diptera, is the first-ever synopsis of the 108 families of flies known from the Afrotropical Region and includes discussions on biology and immature stages, economic importance, classification, identification to the genus level, as well as a synopsis of each genus. This work provides the basics for understanding the diversity of a major order of insects in a large tropical and sub-tropical region and is the first such synopsis of its kind for any major insect order occurring in the Afrotropics. Volume 1 of the *Manual*, which included introductory chapters and keys to Diptera families and Volume 2, which included families chapters for the nematocerous Diptera and lower Brachycera were published in 2017.



















# Manual of AFROTROPICAL DIPTERA Volume 3 Edited by Ashley H. Kirk-Spriggs & Bradley J. Sinclair With photographs by Stephen A. Marshall SURICATA X

## VOLUME 3

Volume 3 is published in full colour and comprises 1,032 printed pages. The volume includes family chapters by the world's leading experts, dealing with 51 of the 108 families of flies that occur in the region and covers the Brachycera—Cyclorrhapha, excluding Calyptratae (sometimes termed the higher Diptera). Each chapter includes a diagnosis of the family, sections dealing with biology and immature stages, economic significance, classification and identification, an identification key to genera (if two or more) and a synopsis of the fauna section, arranged genus by genus alphabetically. The text is richly illustrated with over 3,440 illustrations, including 1,746 colour and 101 black and white images and 1,600 line drawings of flies.

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