

PREFACE

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The International Centre of Insect Physiology and Ecology (ICIPE) has felt it important to undertake an in-depth review of its Tsetse Research Programme from time to time within the context of an international study workshop. In this context, it convened a workshop on "Parasite-Vector Relationships (Tsetse)" jointly with the Rockefeller Foundation in 1973 at Villa Serbelloni, in Bellagio, Italy at the beginning of the Centre's functional life; it organized a second workshop on, "Epidemiology of African Trypanosomiasis" in 1979 at the ICIPE Research Centre, Chiromo, Nairobi. The *Proceedings* of this latter workshop were published in the first and inaugural issue of *Insect Science and its Application* (1980). The third international study workshop devoted to "Tsetse Behaviour and Population Ecology", was held at ICIPE's Duduville International Guest Centre; and its *Proceedings* published in a special issue of *Insect Science and its Application* (1984).

The last and fourth workshop in this series, "The International Study Workshop on Tsetse Population and Behaviour", was held at ICIPE's New World Headquarters at Duduville, Nairobi, from 6th to 11th August 1989. Its *Proceedings* are being presented in this special issue of *Insect Science and its Application*.

The fourth Tsetse International Study Workshop brought together scientists who are actively engaged in research on population dynamics and behaviour in relation to tsetse control, in order to review the recent advances in these fields; to discuss the current status of their research and related

application aspects; and to determine the priorities for future research. With these objectives in mind, presentations and extensive discussions focussed on tsetse population dynamics, tsetse behaviour and physiology, disease transmission and control technology was revisited. The workshop was well attended by 42 official participants. Altogether, 39 presentations were made. These *Proceedings* record 23 of these presentations. We are confident that tsetse specialists, and others concerned with the tsetse problem in Africa, will find this special issue a most notable publishing event.

We believe ICIPE's policy to have these periodical reviews offers a major window through which the scientific community and those responsible for tsetse and trypanosomiasis control can gauge the critical scientific advances being made, as well as the potential technological developments that may arise from them.

We wish to warmly acknowledge the work of the Guest Editors, Drs R. K. Saini and L. H. Otieno, and that of the Scientific Editor, Mrs Serah W. Mwanycky, for their hard work in editorially bringing into shape the original manuscripts. The responsibility for published opinions, and facts presented, however, rests entirely with the authors for each contribution.

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