

COASTAL FISHES OF THE WESTERN INDIAN OCEAN:

A Longstanding Vision Realized



SAIAB
South African Institute
for Aquatic Biodiversity

South African Institute for Aquatic Biodiversity

Somerset Street, Private Bag 1015, Grahamstown,
Eastern Province, South Africa, www.saiab.ac.za

email: WIO@saiab.ac.za

Tel: +27 (0) 46 603 5800

Fax: +27 (0) 46 622 2403

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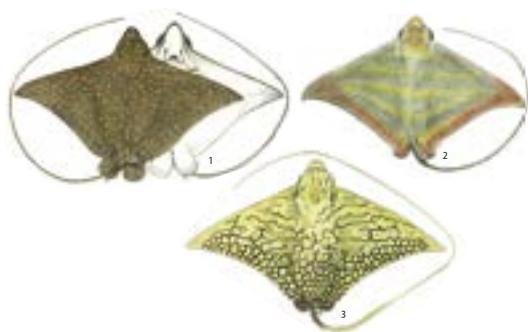
A Longstanding Vision Realized

Origins

In 1949, not long after the publication of *The Sea Fishes of Southern Africa*, JLB Smith was offered the directorship of the Natal Museum in Pietermaritzburg. He turned the offer down, as he wanted to focus on a book on the fishes of the Western Indian Ocean, which he said would take him a year or two. The vision was never fulfilled.

In 1986, the final successor to *The Sea Fishes of Southern Africa*, Margaret Smith and Phil Heemstra's *Smiths' Sea Fishes*, was published. Margaret died in 1987. Some 10 years later, Phil resurrected JLB's idea of a book on the fishes of the Western Indian Ocean. And now, 20 years after the re-birth of JLB Smith's idea, this is about to become a reality.

The Western Indian Ocean (WIO) is home to one of the richest biotas of marine fishes on the planet, comprising some 3600 species, or about 20% of the world's marine fish fauna. Although the WIO region is the site for most of the earliest scientifically valid descriptions of Indo-Pacific fishes, the extent of its fish fauna is still poorly known. Despite considerable effort by ichthyologists over the past two centuries, many new species of fishes are described each year: of the 329 new marine species described between 2002 and 2012, 140 were from the WIO.



Who put the book together?

Coastal Fishes of the Western Indian Ocean, with main editors Philip Heemstra, Elaine Heemstra, David Ebert, Wouter Holleman and John Randall, is to be published early in 2018. It is the culmination of the work of more than 100 authors, photographers and illustrators, of editors, proofreaders, reviewers and others, over a period of more than 20 years. Amongst the major contributors are Phil Heemstra, Dave Ebert, Dave Smith, Bruce Collette, Stuart Poss, Jack Randall, Gerry Allen, Helen Larson, Danny Hensley and Kunio Amaoka, Eric Anderson and Keiichi Matsuura.

Coverage and contents

The resulting publication, far more substantial than JLB Smith could have imagined, arranged in six volumes, covers species that occur in waters generally shallower than 200 m. In this work, the Western Indian Ocean includes the Red Sea and Persian Gulf and extends to Cape Point, South Africa, and Kanyakumari, the southernmost tip of India. Some authors have included fishes from the Gulf of Mannar and wider Sri Lanka.

- Volume 1** Introductory chapters which include the oceanography of the WIO, the origins of coral reefs, an account of the people who laid the foundations of our knowledge of the WIO's fishes, and more. The remainder of the volume covers the agnathans and condrichthyans of the area.
- Volume 2** This volume includes a brief overview of the evolution of bony fishes, their anatomy and a key to the orders. Then follows accounts of families of the Orders Elopiformes to Mugiliformes.
- Volume 3** The remainder of the non-perciforms teleosts, from the Atheriniformes to the Scorpaeniformes.
- Volume 4** A key to the families of Perciformes, and the families Latidae to Chaetodontidae
- Volume 5** The key to the families, and the families Oplegnathidae to Draconettidae.
- Volume 6** The key to the families, and the families Gobiidae to Molidae, and the Latimeriidae.

Each taxon has its appropriate keys and, for several of the families, a glossary of terms used in the account has been included. The volumes are well illustrated, with black-and-white illustration in keys and for species, where appropriate, and colour plates of the species. The inside back and front covers of each volume will have various maps of the Western Indian Ocean.

Format and cost

The book will measure about 220mm wide x 280mm deep. Consideration is being given to both hard-cover and soft-cover binding. The cost for a hard-cover will be in the region of R3500 per set (\$270, €240) and soft-cover R2000 (\$150, €130).

Expression of interest

If you are interested in this publication, please **1) access the reply form on our website** <http://www.saiab.ac.za/coastal-fishes-of-the-western-indian-ocean.htm> and complete the online form, **OR 2) complete the form below**, scan and mail it to WIO@saiab.ac.za, **OR 3) post it to:**

WIO Fishes – Expression of Interest, SAIAB, Private Bag 1015, Grahamstown, 6140, South Africa
This will help assess the number of copies to have printed.

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