

Scorpions of Brazil

WILSON R. LOURENÇO

MUSEUM NATIONAL D'HISTOIRE NATURELLE, PARIS

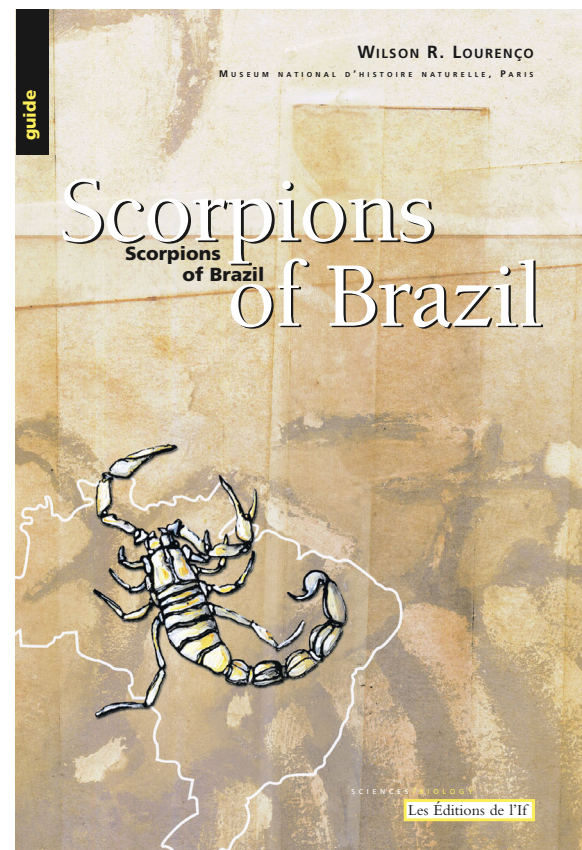
FORMAT	140 x 210 mm
PAGES	308 pages
ILLUSTRATIONS	570 illustrations
TEXT	English
DATE OF PUBLICATION	August 2002
PUBLIC PRICE	45€ + shipping cost
ISBN	2-914449-03-8

PREFACE BY JOHN L. CLOUDSLEY-THOMPSON
EMERITUS PROFESSOR
UNIVERSITY COLLEGE, LONDON

AVAILABLE THROUGH THE PUBLISHING HOUSE

Les Éditions de l'If

SCIENCES / BIOLOGY



guide

book contents

This book is the first comprehensive treatment of the Brazilian scorpion fauna since Mello-Leitão 1945' monograph on South American scorpions.

The scorpions of Brazil are comparatively well known thanks largely to the voluminous and thorough research of Dr. Wilson Lourenço himself. In the present lavishly illustrated guide, not only does the author provide keys to, and detailed descriptions of, the known scorpion fauna of Brazil, but he gives accounts of various aspects of scorpion ecology and biogeography which place the Brazilian species in a worldwide context. At the same time, he shows why certain species have recently become extinct while others are endangered throughout Tropical South America.

This book is far more than a guide to the identification of Brazilian scorpions. It is a stimulating introduction to the study of scorpions in general and well deserves the attention of all arachnologists, ecologists and research workers in the field of zoogeography.

WILSON R. LOURENÇO

Dr. Wilson Lourenço is a research fellow at the National Museum of Natural History in Paris, acting mainly on the fields of taxonomy, biology, ecology and biogeography of scorpions. He has published over 300 papers, and several monographs and books since 1974 when he started his research activities.

A field biologist, he collaborates with South American teams and is sought after for his vast expertise by various European institutions. He participates in inventory missions in Madagascar under the aegis of the WWF in collaboration with the Museum of Natural History in Chicago.

He is considered an authority on Tropical scorpions.

PLEASE SEND US THE ORDER FORM FILLED OUT WITH YOUR PAIEMENT (INCLUDING SHIPPING COST)

ORDERING

Name _____ First name _____
 adress _____
 tél. / fax _____ e-mail _____

order copies of the book "Scorpions of Brazil"

45 € (euros) PUBLIC PRICE + € (euros) SHIPPING COST of each book

for a TOTAL : € (euros).

WAY OF PAYMENT : Credit card

SHIPPING COST	FRANCE	3,00	€ euros
	EUROPE	3,60	€ euros
	NORTH AMERICA	4,50	€ euros
	SOUTH AMERICA	6,50	€ euros
	ASIA	6,50	€ euros
	AUSTRALIA	7,50	€ euros

Scorpions of Brazil

WILSON R. LOURENÇO

MUSEUM NATIONAL D'HISTOIRE NATURELLE, PARIS

PREFACE BY JOHN L. CLOUDSLEY-THOMPSON
EMERITUS PROFESSOR
UNIVERSITY COLLEGE, LONDON

Les Éditions de l'If

SCIENCES / BIOLOGY

BOOK CONTENTS

SECTION 1

Taxonomy

- a. Coloration and pigmentation
- b. Shape of the sternum
- c. Chelicerae
- d. Trichobothria
- e. Leg spination
- f. Carinal structure
- g. Disposition of the granulation and dentition of pedipalp-chela fingers
- h. Structure of the pectines
- i. Shape of book lung spiracles
- j. Structure of the tarsi
- k. Structure of the hemispermatophore

Checklist

Key

TO THE FAMILIES AND GENERA

Short diagnosis

TO THE GENERA AND SPECIES

Family Bothriuridae
 Family Buthidae
 Family Chactidae
 Family Ischnuridae

SECTION 2

Ecology

General aspects of the ecology OF BRAZILIAN SCORPIONS

Aspects of evolutionary ecology APPLIED TO BRAZILIAN AND SOUTH AMERICAN SCORPIONS

- a. The reproductive biology
- b. Correlation between reproductive and adaptative strategies

Selected examples

FROM BRAZILIAN SPECIES

- a. The case of two phylogenetically associated species of the family Buthidae which show different ecological requirements
 1. *Tityus fasciolatus* from Central Brazil
 2. *Tityus bahiensis* from Southeast Brazil, Paraguay and North of Argentina
- b. Ecological factors regarding the appearance of unisexual populations in the complex *Tityus stigmurus*
- c. The case of *Opisthacanthus cayaporum* : a typical equilibrium species

SECTION 3

Biogeography

The geographical distribution OF BRAZILIAN FAMILIES GENERA AND SPECIES

Biogeographic patterns PRESENTED BY BRAZILIAN AND SOUTH AMERICAN SCORPIONS

Major patterns of distribution and differentiation OF BRAZILIAN AND TROPICAL SOUTH AMERICAN SCORPIONS

- a. Some examples of monomorphic species
- b. Examples of polymorphic species with a clinal gradient in the South East region of Brazil
- c. The case of a mosaic polymorphic species in the Atlantic forest of Brazil
- d. The particular example of the pattern of polymorphism in the complex of forms " *Tityus stigmurus* "
- e. The geographical distribution of sexuals vs. unisexuals
- f. Some examples of polymorphic species in the Amazon and Guayana regions
- g. Some cases of disrupted distributions of genera and species in forest and savanna formations

This book contents also : A TAXONOMIC INDEX AND A BIBLIOGRAPHY.

Saturday, September 21st, 2019. Allianz Parque. SÃ£o Paulo. Brazil. Tickets. Monday, September 23rd, 2019. Arena Sabiazinho. UberlÃ¢ndia. Brazil. Tickets. Wednesday, September 25th, 2019.Â Brazil. Tickets. Tuesday, October 1st, 2019. GinÃ¡sio Gigantinho. Porto Alegre. Brazil. Tickets. Friday, October 4th, 2019. Rock in Rio. The Scorpions vs. Spiders event was an August 2014 Combat Arms event. During the event, players would work for one of the factions according to the day. You can collect Spiders and Scorpions Tags by logging in and doing Daily Jobs. Each day, you will work for one of the Factions. Days Spider: 14/08, 16/08, 18/08, 20/08, 22/08, 24/08, 26/08, 28/08, 30/08, 01/09, 03/09. Days Scorpion: 15/08, 17/08, 19/08, 21/08, 23/08, 25/08, 27/08, 29/08, 31/08, 02/09.