

CATFISHES

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ABOUT THE BOOK

Catfishes is a landmark publication containing 26 scientific chapters dealing with diverse information on fossil and modern siluriform fishes, providing an overview of knowledge, current research, and scientific disagreements yet to be solved concerning siluriforms. The book is a synthesis of specialized articles that present the current state of knowledge of different aspects of catfish biology, each supplemented with extensive lists of literature.

The book is divided in two volumes. Volume 1 includes sixteen chapters on the anatomy, function and functional morphology, and the phylogenetic relationships among siluriforms and systematics of certain catfishes groups. Volume 2 includes ten chapters on the fossil record and paleodistribution, ecology and ethology, development and sensory biology.

READERSHIP

The book will be useful to ichthyologists and students.

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Part I: Anatomy

- Catfish Head Skeleton. An Overview—*Gloria Arratia*
- Review of Superficial Cranial Musculature of Catfishes, with Comments on Plesiomorphic States—*Rui Diogo and Pierre Vandewalle*
- Weberian Apparatus in Catfish—*Michel Chardon, Eric Parmentier and Pierre Vandewalle*
- The Siluriform Postcranial Skeleton. An Overview—*Gloria Arratia*
- Internal Anatomy—*B.G. Kapoor, B. Khanna, R. Diogo, E. Parmentier and M. Chardon*
- The Skin of Catfishes—*Gloria Arratia*

Part II: Function and Functional Morphology

- Functional Morphology of Catfishes: Movements of Barbels—*Rui Diogo, Michel Chardon and Pierre Vandewalle*
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- Higher Level Phylogeny of Siluriformes (Teleostei: Ostariophysii): An Overview—*Rui Diogo*

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