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Nota di contenuto	Acknowledges -- Preface -- Introduction -- 1. Genetic Resources: What are genetic resources and their importance for food production? -- 1.1. About biological diversity -- 1.2. What are biological resources, genetic resources, and genetic heritage? -- 1.3. Genetic resources and food production -- 1.4. Animal genetic resources -- 1.5. Genetic resources of freshwater fishes in the world -- 1.6. Genetic resources for aquaculture species -- 1.7. Biogeography of fishes globally -- 1.8. Biogeography of fishes in the Neotropical region -- 1.9. Fish genetic resources in the Neotropical countries -- 1.10. Threats to FiGR -- 1.10.1. Damming -- 1.10.2. Fish introductions and hybridizations -- 2. Characterization of Genetic Resources -- 2.1. The genetic structure of populations -- 2.2. Population and stock concepts for FiGR

Sommario/riassunto

The aim of this book is to systematize and discuss population genetic studies of freshwater fish in a region that harbors the greatest diversity of species among all inland water ecosystems. This volume explores the genetic evaluation for a number of orders, families and species of Neotropical fishes, and provides an overview on genetic resources and diversity and their relationships with fish domestication, breeding, and food production.