Record Nr. UNINA9910826186103321 Gastrotricha, Cycloneuralia and Gnathifera. Volume 3 Gastrotricha and **Titolo** Gnathifera / / edited by Andreas Schmidt-Rhaesa Pubbl/distr/stampa Berlin, [Germany];; Munich, [Germany];; Boston, [Massachusetts]:,: Walter de Gruyter GmbH., 2015 ©2015 **ISBN** 3-11-027427-2 3-11-038556-2 Descrizione fisica 1 online resource (366 p.) Handbook of Zoology, , 2193-4231 Collana 592.3 Disciplina Worms - Phylogeny Soggetti Worms - Morphology Lingua di pubblicazione Tedesco **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Includes index. Front matter -- Introduction -- Contents -- List of contributing Nota di contenuto authors -- 1. Gastrotricha -- 2. Phylum Gnathostomulida -- 3. Micrognathozoa -- 4. Rotifera -- 5. Acanthocephala: functional morphology -- 6. Acanthocephala -- 7. Ecology of the Acanthocephala -- Index This section of the Handbook of Zoology is intended as a Sommario/riassunto comprehensive and exhaustive account of the biology of the taxa Gastrotricha, Nematoda, Nematomorpha, Priapulida, Kinorhyncha, Loricifera, Gnathostomulida, Micrognathozoa, Rotifera, Seisonida and Acanthocephala, covering all relevant topics such as morphology, ecology, phylogeny and diversity. The series is intended to be a detailed and up-to-date account of these taxa. As was the case with the first edition, the Handbook is intended to serve as a reliable resource for decades. Many of the taxa of this volume are comparatively unknown to many biologists, despite their diversity and importance for example in meiofaunal communities (Gastrotricha. Rotifera, Gnathostomulida), their fascinating recent discoveries (Loricifera and Micrognathozoa), their importance as parasites (many

nematodes, Nematomorpha, Acanthocephala) and their importance for evolutionary questions (e.g. Priapulida, Gastrotricha). The groups

covered range from those poor in species (such as Micrognathozoa with 2 known species) to the species-rich and diverse Nematoda and their ca. 20.000 described species. While each taxon is covered by one chapter, nematodes are treated in several chapters dedicated to their structural, taxonomic and ecological diversity.