Record Nr. UNINA9910350359003321 Ciliate Atlas: Species Found in the South China Sea / / edited by **Titolo** Xiaozhong Hu, Xiaofeng Lin, Weibo Song Pubbl/distr/stampa Singapore:,: Springer Singapore:,: Imprint: Springer,, 2019 **ISBN** 981-13-5901-6 Edizione [1st ed. 2019.] Descrizione fisica 1 online resource (XVII, 936 p. 627 illus. in color.) Disciplina 577.6 577.7 Soggetti Aquatic ecology Microbial ecology **Biodiversity** Marine sciences Freshwater Freshwater & Marine Ecology Microbial Ecology Marine & Freshwater Sciences Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Chapter 1. Class Mesodiniea Chen et al., 2015 -- Chapter 2. Class Karyorelictea Corliss, 1974 -- Chapter 3. Class Heterotrichea Stein, 1859 -- Chapter 4. Class Armophorea Lynn, 2004 -- Chapter 5. Class Litostomatea Small & Lynn, 1981 -- Chapter 6. Class Nassophorea Small & Lynn, 1981 -- Chapter 7. Class Phyllopharyngea de Puytorac et al., 1974 -- Chapter 8. Class Prostomatea Schewiakoff, 1896 --Chapter 9. Class Oligohymenophorea de Puytorac et al., 1974 --Chapter 10. Class Protocruziea Gao et al., 2016 -- Chapter 11. Class Spirotrichea Bütschli, 1889. . This atlas aims to provide a 'one-stop' reference source of basic data Sommario/riassunto on tropical marine ciliates that should be used for researchers worldwide. As one of main components, ciliates play vital roles in the

microbial food web. Studies of ciliate diversity are, however, constrained by a lack of modern monographs and guides for the

identification of tropical marine ciliates. Therefore, an image-rich guide or atlas like this book will undoubtedly be of great benefit for those who are not trained in ciliate taxonomy but who encounter ciliates in disciplines such as ecology, environmental biology, aquaculture and other related fields. We have carried out in-depth studies on ciliates along the coastal area of South China Sea for more than ten years and got a lot of 'first-hand' data. This atlas will assemble diagrams and photomicrographs of 315 free-living species of ciliate that have been found in the coastal area of the South China Sea. To be reader-friendly, habitats, ecological features and key references as well systematics will be provided for every species.