

CONTENTS

1. The Role of Natural History in Understanding the Diversity of Lifestyles in Crustaceans • 1
Les Watling and Martin Thiel
2. Diversity of Lifestyles, Sexual Systems, and Larval Development Patterns in Sessile Crustaceans • 14
Benny K.K. Chan and Jens T. Høeg
3. The Tube-dwelling Lifestyle in Crustaceans and Its Relation to Feeding • 35
P. Geoffrey Moore and Lucas B. Eastman
4. Burrow Dwelling in Crustacea • 78
R. James A. Atkinson and Lucas B. Eastman
5. Crustaceans Inhabiting Domiciles Excavated from Macrophytes and Stone • 118
Barbara A. Mejaes, Alistair G.B. Poore, and Martin Thiel
6. Crustaceans in Mobile Homes • 145
Patsy A. McLaughlin
7. Crustaceans as Symbionts: An Overview of Their Diversity, Host Use, and Lifestyles • 163
J. Antonio Baeza
8. Predator Adaptations of Decapods • 190
Kari L. Lavalli and Ehud Spanier
9. Small Free-living Crustaceans • 229
Richard B. Taylor

10. Planktonic Crustaceans: Lifestyles in the Water Column • 262
Rubén Escribano and Ramiro Riquelme-Bugueño
11. Lifestyles of the Species-rich and Fabulous: The Deep-sea Crustaceans • 279
George D.F. Wilson and Shane T. Ah Yong
12. Lifestyles of Terrestrial Crustaceans • 299
Alastair Richardson and Paula Beatriz Araujo
13. Freshwater Crustaceans: Adaptations to Complex Inland Habitats and Species Interactions • 337
Alan P. Covich
14. Crustaceans of Extreme Environments • 379
Chiara Benvenuto, Brenton Knott, and Stephen C. Weeks
15. Filter-feeding Mechanisms in Crustaceans • 418
Hans Ulrik Riisgård
16. Deposit Feeding: Obtaining Nutrition from Sediment • 464
Les Watling
17. Lifestyles of Detritus-feeding Crustaceans • 479
Sven Hammann and Martin Zimmer
18. Grazers of Macroalgae and Higher Plants • 502
Veijo Jormalainen
19. Foraging Behavior of Crustacean Predators and Scavengers • 535
Lucas B. Eastman and Martin Thiel
- Index • 557