

Contents

Volume 2

Introduction	3
Stanislav Gorb	

Part I Adhesion Enhancement

1 The Echinoderm Tube Foot and its Role in Temporary Underwater Adhesion	9
Romana Santos, Elise Hennebert, Ana Varela Coelho and Patrick Flammang	
2 Mechanisms and Principles Underlying Temporary Adhesion, Surface Exploration and Settlement Site Selection by Barnacle Cyprids: A Short Review	43
Nicolas Aldred and Anthony S. Clare	
3 Alternative Tasks of the Insect Arolium with Special Reference to Hymenoptera	67
Dmytro Gladun, Stanislav N. Gorb and Leonid I. Frantsevich	
4 Organs of Adhesion in Some Mountain-stream Teleosts of India: Structure-Function Relationship	105
Debasish Das and Tapas C. Nag	
5 Surface Characteristics of Locomotor Substrata and Their Relationship to Gekkonid Adhesion: A Case Study of <i>Rhoptropus cf biporosus</i>	123
Megan Johnson, Anthony Russell and Sonia Delannoy	

Part II Adhesion Reduction

6	Variable Attachment to Plant Surface Waxes by Predatory Insects ...	157
	Sanford D. Eigenbrode, William E. Snyder, Garrett Clevenger, Hongjian Ding and Stanislav N. Gorb	
7	The Waxy Surface in <i>Nepenthes</i> Pitcher Plants: Variability, Adaptive Significance and Developmental Evolution	183
	Bruno Di Giusto, Michaël Guérout, Nick Rowe and Laurence Gaume	
8	Functional Surfaces in the Pitcher of the Carnivorous Plant <i>Nepenthes alata</i>: A Cryo-Sem Approach	205
	Elena V. Gorb and Stanislav N. Gorb	
	Color Plates	239
	Index	261