



UvA-DARE (Digital Academic Repository)

Shedding light on detritus: Interactions between invertebrates, bacteria and substrates in benthic habitats

Hunting, E.R.

Publication date
2013

[Link to publication](#)

Citation for published version (APA):

Hunting, E. R. (2013). *Shedding light on detritus: Interactions between invertebrates, bacteria and substrates in benthic habitats*.

General rights

It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations

If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: <https://uba.uva.nl/en/contact>, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.

Content

Chapter 1	<i>General Introduction</i>	9
	<i>Part I: Invertebrate-substrate interactions in soft bottom sediments</i>	
Chapter 2	<i>Invertebrate footprints on detritus processing, bacterial community structure, and spatiotemporal redox-profiles</i>	19
Chapter 3	<i>Effects of copper on invertebrate-sediment interactions</i>	33
Chapter 4	<i>DECOTAB – a multipurpose standard substrate to assess litter quality effects on microbial decomposition and invertebrate consumption</i>	43
Chapter 5	<i>Solar radiation shapes bacterial functional diversity in sediments</i>	53
Chapter 6	<i>Invertebrates as drivers for detritus processing, sediment mixing and bacterial communities: an outdoor mesocosm experiment</i>	61
	<i>Part II: Sponge-environment interactions in mangrove stands</i>	
Chapter 7	<i>Diversity and spatial heterogeneity of mangrove associated sponges of Curaçao and Aruba</i>	75
Chapter 8	<i>Mangrove-sponge associations: a possible role for tannins</i>	91
Chapter 9	<i>Degradation of mangrove-derived organic matter in mangrove associated sponges</i>	101
Chapter 10	<i>Substrate as a driver of sponge distributions in mangrove ecosystems</i>	111
Chapter 11	<i>Root-derived organic matter confines sponge community composition in mangrove ecosystems</i>	125
Chapter 12	<i>Concluding remarks</i>	131
	<i>References</i>	<i>140</i>
	<i>Summary / Samenvatting</i>	<i>157</i>
	<i>Acknowledgements</i>	<i>166</i>
	<i>Publications</i>	<i>168</i>