

Publication Record – Carsten Thoms

Articles in Scientific Journals

- Rahaweman AC, Pamungkas J, Madduppa H, **Thoms C**, Tarman K (2016). Screening of Endophytic Fungi from Chlorophyta and Phaeophyta for Antibacterial Activity. IOP Conference Series: Earth and Environmental Science 31: 012026. [\[Link to PDF\]](#)
- Madduppa H, Schupp PJ, Faisal MR, Sastria MY, **Thoms C*** (2015). Persistent outbreaks of the “black disease” sponge *Terpios hoshinota* in Indonesian coral reefs. *Mar Biodiv*, doi: 10.1007/s12526-015-0426-5 (*corresponding author) [\[Link to PDF\]](#)
- Steinert G, Whitfield S, Taylor MW, **Thoms C**, Schupp PJ (2014) Application of diffusion growth chambers for the cultivation of marine sponge-associated bacteria. *Mar Biotechnol* **16**: 594-603. [\[Link to PDF\]](#)
- **Thoms C***, Hentschel U, Schmitt S, Schupp PJ* (2008) Rapid tissue reduction and recovery in the sponge *Aplysinella rhax*. *Mar Biol* **156**: 141-153. (*corresponding authors) [\[Link to PDF\]](#)
- **Thoms C***, Schupp PJ* (2008) Activated chemical defense in marine sponges – a case study on *Aplysinella rhax*. *J Chem Ecol* **34**: 1242-15252. (*corresponding authors) [\[Link to PDF\]](#)
- Ortlepp S, Sjögren M, Dahlström M, Weber H, Ebel R, Edrada R, **Thoms, C**, Schupp PJ, Bohlin L, Proksch P (2007) Antifouling activity of bromotyrosine-derived sponge metabolites and synthetic analogues. *Mar Biotechnol* **9** 776-785. [\[Link to PDF\]](#)
- **Thoms C**, Ebel R, Proksch P (2006) Activated chemical defense in *Aplysina* sponges revisited. *J Chem Ecol* **32**: 97-123. [\[Link to PDF\]](#)
- **Thoms C**, Wolff M, Padmakumar K, Ebel R, Proksch P (2004) Chemical defense of Mediterranean sponges *Aplysina cavernicola* and *Aplysina aerophoba*. *Z Naturforsch* **59c**: 113-122. [\[Link to PDF\]](#)
- **Thoms C**, Horn M, Wagner M, Hentschel U, Proksch P (2003) Monitoring microbial diversity and natural product profiles of the sponge *Aplysina cavernicola* following transplantation. *Mar Biol* **142**: 685-692. [\[Link to PDF\]](#)
- **Thoms C**, Ebel R, Hentschel U, Proksch P (2003) Sequestration of dietary alkaloids by the spongivorous marine mollusc *Tyrodina perversa*. *Z Naturforsch* **58c**: 426-432. [\[Link to PDF\]](#)

Reviews & Book Chapters

- **Thoms C***, Schupp PJ* (2007) Chemical defense strategies in sponges. In: Custódio MR, Hajdu E, Lôbo-Hajdu G, Muricy G (Eds.) *Porifera Research: Biodiversity, Innovation & Sustainability*. Museo Nacional, Rio de Janeiro, Brazil. pp. 627-637 (*corresponding authors) [\[Link to PDF\]](#)
- **Thoms C**, Ebel R, Proksch P (2006) Sequestration and possible role of dietary alkaloids in the sponge-feeding mollusk *Tyrodina perversa*. In: Cimino, G.; Gavagnin, M. (Eds.) *Progress in Molecular and Subcellular Biology* **43: Molluscs**. Springer Verlag, Berlin, Heidelberg. pp. 261-275. [\[Link to PDF\]](#)
- **Thoms C**, Schupp PJ (2005) Biotechnological potential of marine sponges and their associated bacteria as producers of new pharmaceuticals (part I). *J Internat Biotechnol Law* **2 (5)**: 217-220. [\[Link to PDF\]](#)
- Thoms C, Schupp PJ (2005) Biotechnological potential of marine sponges and their associated bacteria as producers of new pharmaceuticals (part II). *J Internat Biotechnol Law* **2 (6)**: 257-264. [\[Link to PDF\]](#)

Theses

- **Thoms C** (2004) Alkaloide in marinen Schwämmen der Gattung *Aplysina* – chemische Ökologie und assoziierte Bakterien. PhD thesis, Heinrich Heine University Düsseldorf. [\[Link to PDF\]](#)
- **Thoms C** (2000) Untersuchungen zur fraßhemmenden Aktivität von Schwamminhaltsstoffen gegenüber Fischen. MSc (Diplom) thesis, University Bremen.