

Chantal De Ridder – List of publications, reports and talks

ARTICLES IN SCIENTIFIC JOURNALS or IN CONFERENCE PROCEEDINGS

2021 – 2026

- Pascal P.-Y., Reynaud Y., Poulin E., **De Ridder C.**, Saucède T. **2021**. Feeding in spatangoids: the case of *Abatus Cordatus* in the Kerguelen Islands (Southern Ocean). *Polar Biol.*, <https://doi.org/10.1007/s00300-021-02841-4>

2016 – 2020

- Jossart Q., Terrana L., **De Ridder C.**, Eeckhaut I., Monteyne D., Caulier G. **2019**. To see or to smell: the role of vision in host-recognition by an ectoparasitic crab. *Symbiosis*: <https://doi.org/10.1007/s13199-019-00657-9>
- Féral J.-P., E. Poulin, **C. De Ridder**, T. Saucède **2019**. A field guide to coastal echinoderms of the Kerguelen Islands. In: Oji T., Motokawa T., Fujita T., Komatsu M., Agatsuma Y. & Kanzawa (Eds), *Proceedings of the 16th Echinoderm Conf. 2018*, Nagoya Japan, *Zoosystema* 15 (1): 33-43, doi: 10.11646/zoosymposia.15.1.6.
- Dubois P., Agüera A., Améziane N., Collard M., Danis B., David B., Dehairs F., De Ridder C., Di Giglio S., Eléaume M., Féral J.-P., Fournier J., Gallut C., Gonthier-Maurin M., Jane P., Marschal C., Michel L., Motreuil S., Pasotti F., Sahade R., Saucède T. & Vanreusel A. (2019) Acid-base physiology of Antarctic and Sub-Antarctic sea urchins and their resilience to ocean acidification. In: Oji T., Motokawa T., Fujita T., Komatsu M., Agatsuma Y. & Kanazawa K. (Eds), *Proceedings of the 16th International Echinoderms Conference*, 2018 May 28-June 1, Nagoya, Japan.
- Saucède T., Guillaumot, C., Michel L. N., Fabri-Ruiz S., Bazin A., Cabessut M., García-Berro A., Mateos A., Mathieu O., **De Ridder C.**, Dubois P., Danis B., David B., Díaz, A., Lepoint G., Motreuil S., Poulin E., Féral J.-P. **2019**. Modeling species response to climate change in sub-Antarctic islands - Echinoids as a case study for the Kerguelen Plateau. DOI: 10.5281/Zenodo.3251680. In: *The Kerguelen Plateau: marine ecosystem and fisheries. Proceedings of the Second Symposium*, Australian Antarctic Division, Kingston, Tasmania, Australia, pp. 95-116 (978-1-876934-30-9).
- Préat A., **De Ridder C.**, Gillan D. **2018**. Bacterial origin of the red pigmentation of Phanerozoic carbonate rocks: an integrated study of geology-biology-chemistry (*Ernest Van den Broeck medallist lecture 2017*). *Geologica Belgica* 21/3-4: 167-175.
- Féral J.-P., Saucède T., Poulin E., Gonzales-Wevar C.A., **De Ridder C.** **2017**. Kerguelen islands MPA (Southern Ocean) as a sentinel of the effects of climate change in the Sub-Antarctic region. The submarine monitoring program PROTEKER. *Proceedings 4th International marine protected areas Congress (IMPAC 4)*, La Serena, Chile. DOI : 10.13140/RG.2.2.28074.11201.
- De Bruyn C., B. David, S. Motreuil, G. Caulier, Q. Jossart, T. Rigaud, **C. De Ridder** **2016**. Should I stay or should I go? Causes and dynamics of host desertion by a parasitic crab living on echinoids. *Marine Ecology Progress Series* 546: 163–171, doi: 10.3354/meps11616

- Michel L., David B., Dubois Ph., Lepoint G., **De Ridder C.** 2016. Trophic plasticity of Antarctic echinoids under contrasted environmental conditions. *Polar Biology* 39:913–923. DOI 10.1007/s00300-015-1873-y
- David B., Saucède T., Chenuil A., Steimetz E., **De Ridder C.** 2016. The taxonomic challenge posed by the Antarctic echinoids *Abatus bidens* and *Abatus cavernosus* (Schizasteridae, Echinoidea). *Polar Biology* 39: 897-912. DOI 10.1007/s00300-015-1842-5
- Gutt J., M. C. Alvaro, A. Barco, A. Böhmer, A. Bracher, B. David, **C. De Ridder**, B. Dorschel, M. Eléaume, D. Janussen, D. Kersken, P. J. Lopez-González, I. Martinez-Baraldés, M. Schröder, A. Segelken-Voigt, N. Teixido 2016. Macroepibenthic communities at the tip of the Antarctic Peninsula, an ecological survey at different spatial scales. *Polar Biology* 39:829–849. DOI: 10.1007/s00300-015-1797-6

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- Q. Jossart, B. David, C. De Bruyn, **C. De Ridder**, T. Rigaud, R. A. Wattier 2013. No evidence for host specialization in a parasitic crab exploiting two echinoid hosts. *Marine Ecology Progress Series* - 475: 167–176, doi: 10.3354/meps10131
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- Lecointre, G., Ameziane, N., Boisselier, M.C., Bonillo, C., Busson, F., Causse, R., Chenuil, A., Couloux, A., Coutanceau, J.P., Cruaud, C., d’Udekem d’Acoz, **C., De Ridder**, C., Denys, G., Dettai, A., Duhamel, G., Eléaume, M., Féral, J.P., Gallut, C., Havermans, C., Held, C., Hemery, L., Lautredou, A.C., Martin, P., ozouf-Costaz, C., Pierrat B., Pruvost, P., Puillandre, N., Samadi, S., Saucède, T., Schubart, C., and B. David. 2013. Is the Species Flock Concept Operational? The Antarctic Shelf Case. *PLoS ONE* 8(8): e68787. doi: 10.1371/journal.pone.0068787.
- **De Ridder C.**, Ph. Dubois, I. George, B. Danis, B. David & T. Saucède, 2013. Benthos op het continentale plat van de Zuidelijke IJszee bij wisselende ijsomstandigheden. Maatstaf voor de gevolgen van klimaatverandering: bijdrage van Echinoidea. *Science connection – Antarctica* 41: 34-36
- Catarino A.I., V. Guibourt, C. Moureaux, **C. De Ridder**, Ph. Compère, and Ph. Dubois. 2013. Antarctic urchin *Ctenocidaris speciosa* spines: lessons from the deep. *Cah. Biol. Mar.* 54:649-655
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2010 - 2006

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- Gomes da Silva S., D. Gillan, N. Dubilier & **C. De Ridder, 2006**. Characterization by 16S rRNA gene analysis and *in situ* hybridization of bacteria living in the hindgut of a deposit-feeding echinoid (Echinodermata). *J. Mar. Biol. Ass. U.K.* 86: 1209-1213.

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1985 - 1981

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- **De Ridder C., 1980.** Etude des populations de deux espèces de *Veleroxia* (Décapoda, Pontoniinae) associées aux Gorgonacea (Cnidaria, Octocorallia) de l'Archipel des Galapagos. *Cah. Biol. mar.* 21: 181-199.
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CHAPTERS IN BOOKS

- **De Ridder C. & T. Saucède. 2020.** Chapter 20 - *Echinocardium cordatum*. In: Sea urchins: Biology and Ecology (J.M. Lawrence ed.), Developments in Aquaculture and Fisheries Science (Elsevier Publ.) 43: 337-357, doi: 10.1016/B978-0-12-819570-3.00020-2
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