




Stable isotope ratios of C and N in benthic macrofauna from Mediterranean seagrass litter accumulations from Calvi Bay in 2011-2012

Citable as data publication

Michel, L.; Remy, F.; Mascart, T.; De Troch, M.; Lepoint, G.; (2021): Stable isotope ratios of C and N in benthic macrofauna from Mediterranean seagrass litter accumulations from Calvi Bay in 2011-2012. Marine Data Archive. <https://doi.org/10.14284/454>

[Download Data](#)

Contact: [Lepoint, Gilles](#) ; [Michel, Loïc](#)

Availability:  This dataset is licensed under a [Creative Commons Attribution 4.0 International License](#).

Description

Measurements of trophic markers performed in benthic macrofauna sampled in seagrass litter accumulations from Calvi Bay (Corsica, France) in 2011-2012. [more](#)

Scope

Themes: Biology > Benthos > Macrobenthos

Keywords: Marine, Food webs, Mediterranean, Phytodetritus, Seagrass, Stable isotopes, Trophic markers, MED, Corso-Ligurian Basin, MED, France, Corsica, Calvi Bay, Actinopterygii, *Apanthura corsica* Amar, 1953, *Athanas nitescens* (Leach, 1814 [in Leach, 1813-1815]), *Bittium reticulatum* (da Costa, 1778), Crustacea, *Gammarella fucicola* (Leach, 1814), *Gammarus aequicauda* (Martynov, 1931), *Gammarus insensibilis* Stock, 1966, Gobiidae Cuvier, 1816, *Hippolyte leptocerus* (Heller, 1863), *Idotea balthica* (Pallas, 1772), *Liocarcinus holsatus* (Fabricius, 1798), *Liocarcinus navigator* (Herbst, 1794), *Macropodia* Leach, 1814 [in Leach, 1813-1815], *Melita hergensis* Reid, 1939, Mollusca, *Nebalia strausi* Risso, 1826, Nemertea, *Nototropis guttatus* (A. Costa, 1851), *Palaemon xiphias* Risso, 1816, Polychaeta, *Posidonia oceanica* (Linnaeus) Delile, 1813, *Processa edulis* (Risso, 1816), *Stenosoma appendiculatum* (Risso, 1826)

Geographical coverage

MED, Corso-Ligurian Basin [\[Marine Regions\]](#)

MED, France, Corsica, Calvi Bay [\[Marine Regions\]](#)

Temporal coverage

19 August 2011 - 25 May 2012

Seasonally

Taxonomic coverage

Actinopterygii [\[WoRMS\]](#)

Apanthura corsica Amar, 1953 [\[WoRMS\]](#)

Athanas nitescens (Leach, 1814 [in Leach, 1813-1815]) [\[WoRMS\]](#)

Bittium reticulatum (da Costa, 1778) [\[WoRMS\]](#)

Crustacea [\[WoRMS\]](#)

Gammarella fucicola (Leach, 1814) [\[WoRMS\]](#)

Gammarus aequicauda (Martynov, 1931) [\[WoRMS\]](#)

Gammarus insensibilis Stock, 1966 [\[WoRMS\]](#)

Gobiidae Cuvier, 1816 [\[WoRMS\]](#)

Hippolyte leptocerus (Heller, 1863) [\[WoRMS\]](#)

Idotea balthica (Pallas, 1772) [\[WoRMS\]](#)

Liocarcinus holsatus (Fabricius, 1798) [\[WoRMS\]](#)

Liocarcinus navigator (Herbst, 1794) [\[WoRMS\]](#)

Macropodia Leach, 1814 [in Leach, 1813-1815] [\[WoRMS\]](#)

Melita hergensis Reid, 1939 [\[WoRMS\]](#)

Mollusca [\[WoRMS\]](#)

Nebalia strausi Risso, 1826 [\[WoRMS\]](#)

Nemertea [\[WoRMS\]](#)

Nototropis guttatus (A. Costa, 1851) [\[WoRMS\]](#)

Palaemon xiphias Risso, 1816 [WoRMS]
Polychaeta [WoRMS]
Posidonia oceanica (Linnaeus) Delile, 1813 [WoRMS]
Processa edulis (Risso, 1816) [WoRMS]
Stenosoma appendiculatum (Risso, 1826) [WoRMS]

Parameters

Stable isotope ratios of carbon [Methodology](#) , Stable isotope ratios of nitrogen [Methodology](#)

Contributors

Institut Français de Recherche pour l'Exploitation de la Mer; Laboratoire Environnement Profond (LEP), data creator

[Michel, Loïc](#)

Université de Liège; Faculté des Sciences; Département de Biologie, Ecologie et Evolution; Laboratoire d'Océanologie, data creator

[Lepoint, Gilles](#)

[Mascart, Thibaud](#)

[Michel, Loïc](#)

[Remy, François](#)

Universiteit Gent; Faculteit Wetenschappen; Vakgroep Biologie; Onderzoeksgroep Mariene Biologie (MARBIOL), data creator

[De Troch, Marleen](#)

[Mascart, Thibaud](#)

Publication

Based on this dataset

Remy, F. (2016). Characterization, dynamics and trophic ecology of macrofauna associated to seagrass macrophytodetritus accumulations (Calvi Bay, Mediterranean Sea). PhD Thesis. University of Liège: Liège. xi, 285 pp., [more](#)

Remy, F. et al. (2018). Seagrass organic matter transfer in *Posidonia oceanica* macrophytodetritus accumulations. *Est., Coast. and Shelf Sci.* 212: 73-79. <https://hdl.handle.net/10.1016/j.ecss.2018.07.001>, [more](#)

Dataset status: Completed

Data type: Data

Data origin: Research: field survey

Metadata record created: 2021-02-22

Information last updated: 2021-02-22

All data in the *Integrated Marine Information System* (IMIS) is subject to the [VLIZ privacy policy](#)