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Interactions between species in coastal lagoons: Predation on recent brackish ostracod populations of the Lagoon of Venice (NE Italy)

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Abstract

This chapter analyzes the first evidences of predation observed on recent brackish ostracod populations of the Lagoon of Venice. The study of ninety-nine samples and almost 1300 specimens allowed extraction of 12 bored valves. The bioerosion structures (*Oichnus simplex* Bromley) are concentrated in the central area of the valves. Borehole diameter shows a negative but not significant correlation with the dimensions of the predated valves, whereas the number of bored shells is significantly correlated with the ostracod density. Predation affects the most abundant species of this environment (mainly adults and the last juvenile instars). © 2013 Nova Science Publishers, Inc. All rights reserved.

References

- Albani, A.D., Serandrei-Barbero, R., Donnici, S.
Foraminifera as ecological indicators in Lagoon of Venice, Italy
(2007) *Ecol. Indic.*, 7, pp. 239-253.
- Albani, A.D., Donnici, S., Serandrei-Barbero, R.
Seabed sediments and foraminifera over the Lido Inlet: Comparison between 1983 and 2006 distribution patterns
(2010) *Cont. Shelf Res.*, 30, pp. 847-858.
- Aranki, J.F.
Marine Lower Pliocene Ostracoda of southern Spain with notes on the Recent fauna
(1987) *Pub. Palaeont. Inst. Univ. Uppsala*, 13, pp. 1-134.
- Berto, D., Giani, M., Covelli, S., Boscolo, R., Cornello, M., Macchia, S., Massironi, M.
Mercury in sediments and *Nassarius reticulatus* (Gastropoda, Prosobranchia) in the southern Venice Lagoon

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COPE

- Berto, D., Giani, M., Boscolo, R., Covelli, S., Giovannardi, O., Massironi, M., Grassia, L.
Organotins (TBT and DBT) in water, sediments and gastropods of the southern Venice lagoon (Italy)
(2007) *Mar. Poll. Bull.*, 55, pp. 425-435.
- Bhatia, B., Sirjana, S., Sunila, B.
Predation by gastropod drills on Early Lutetian ostracods from Kutch, Western India

- (1989) *Geobios*, 22, pp. 387-394.
- Carriker, M.R.
Critical review of biology and control of oyster drills *Urosalpinx* and *Eupleura*
(1955) *U.S. Dept. Interior Fish and Wildlife Serv., Spec. Sci. Rep.-Fisheries*, 148, pp. 1-150.
 - Cavaleri, L.
Sediment transport in shallow lagoons
(1980) *Nuovo Cimento*, 3 C (5), pp. 527-540.
 - Coccioni, R., Frontalini, F., Marsili, A., Mana, D.
Benthic foraminifera and trace element distribution: A case study from the heavily polluted lagoon of Venice (Italy)
(2009) *Mar. Poll. Bull.*, 59, pp. 257-267.
 - Colbath, S.L.
Gastropod predation and depositional environments of two molluscan communities from the Miocene Astoria Formation at Beverly beach state park, Oregon
(1985) *J. Paleont.*, 59, pp. 849-869.
 - Donazzolo, R., Orio, A.A., Pavoni, B., Perin, G.
Heavy metals in sediments of the Venice lagoon
(1984) *Oceanol. Acta*, 7, pp. 25-32.
 - Donovan, S.K., Pickerill, R.K.
Traces of cassid snails upon the echinoids from the Middle Miocene of Poland: Comments on Ceranka and Zlotik (2003)
(2004) *Acta Palaeont. Pol.*, 49, pp. 483-484.
 - Elewa, A.M.T.
(2007) *Predation due to changes in environment: Ostracod provinciality at the Paleocene-Eocene thermal maximum in North and West Africa and the Middle East*,
Predation in organisms-A Distinct Phenomenon, pp. 7-26.
Elewa, A. M. T. (ed.), Springer Verlag, Berlin and Heidelberg
 - Gacic, M., Kovacevic, V., Mancero Mosquera, I., Mazzoldi, A., Cosoli, S.
Water fluxes between the Venice Lagoon and the Adriatic Sea
(2005) *Flooding and Environmental Problems of Venice and Venice Lagoon: State of Knowledge*, pp. 431-444.
Fletcher, C. A., Spencer, D. T. (eds.), Cambridge University Press, Cambridge
 - Leal, J.H.
A remarkable new genus of carnivorous, sessile bivalves (Mollusca: Anomalodesmata: Poromyidae) with descriptions of two new species
(2008) *Zootaxa*, 1764, pp. 1-18.
 - Maddocks, R.F.

One hundred million years of predation on ostracods

(1988) *Evolutionary biology of Ostracoda*, pp. 637-657.

Hanai, T. T., Ikeya, N., Ishizaki, K. (eds.), Elsevier, Amsterdam

- Marangon, L.
(1996) *Studio dei diversi ambienti lagunari tramite l'integrazione di osservazioni sui sedimenti e campionamenti delle acque con modelli idrodinamici diffusivi*,
Tesi di laurea, Università Ca'Foscari degli studi di Venezia, Venezia, Italy
- Molinaroli, E., Guerzoni, S., Sarretta, A., Masiol, M., Pistolato, M.
Thirty-year changes (1970-2000) in bathymetry and sediment texture recorded in the lagoon of Venice sub-basins, Italy
(2009) *Mar. Geol.*, 258, pp. 115-125.
- Reyment, R.A.
Studies on Nigerian Upper Cretaceous and Lower Tertiary Ostracoda, part 2: Danian, Paleocene and Eocene ostracods
(1963) *Stockholm Cont. Geol*, 10, pp. 1-28.
- Reyment, R.A.
Preliminary observations on gastropod predation in the western Niger delta
(1966) *Palaeogeog., Palaeoclimatol., Palaeoecol.*, 2, pp. 81-102.
- Reyment, R.A., Honigstein, A.
Predation by boring gastropods on Late Cretaceous and Early Palaeocene ostracods
(1987) *Cret. Res.*, 8, pp. 189-209.
- Ruiz, F., González-Regalado, M.L.
Bioerosión en ostrácodos
(1990) *Geogaceta*, 6, pp. 87-90.
- Ruiz, F., González-Regalado, M.L., Baceta, J.I., Menegazzo-Vitturi, L., Pistolato, M., Rampazzo, G., Molinaroli, E.
Los ostrácodos actuales de la laguna de Venecia (NE de Italia)
(2000) *Geobios*, 33, pp. 447-454.
- Ruiz, F., Abad, M., González-Regalado, M.L., Civis, J., González-Delgado, J.A., García, E.X., Toscano, A.
Predation on Neogene ostracods of southwestern Spain
(2009) *Riv. Ital. Paleont. Stratig.*, 116, pp. 149-157.
- Ruiz, F., Abad, M., González-Regalado, M.L., Toscano, A., Rodríguez Vidal, J., Cáceres, L.M., Pozo, M., García, E.X.
Evidencias de depredación en ostrácodos holocenos del Parque Nacional de Doñana (SO de España)
(2010) *Rev. Esp. Micropaleont*, 42, pp. 267-273.
- Ruiz, F., Abad, M., González-Regalado, M.L., Tosquella, J., García, E.X., Toscano, A., Muñoz, A., Pendón, J.G.
Predation on Recent marine ostracod populations of southwestern Spain
(2011) *Ameghiniana*, 48, pp. 113-121.

- Sarretta, A., Pillon, S., Molinaroli, E., Guerzoni, S., Fontolan, G.
Sediment budget in the Lagoon of Venice, Italy
(2010) *Cont. Shelf Res.*, 30, pp. 34-949.
- Serandrei-Barbero, R., Albani, A.D., Donnici, S.
(2008) *Atlante dei Foraminiferi della Laguna di Venezia*,
Istituto Veneto di Scienze, Lettere ed Arti, Venezia
- Solidoro, C., Canu, D., Cucco, A., Umgiesser, G.
A partition of the Venice Lagoon based on physical properties and analysis of general circulation
(2004) *J. Mar. Syst.*, 51, pp. 147-160.
- Vaske Júnior, T.R., Lessa, R.P., Barbosa, T.M., Tolotti, M.T., Ribeiro, C.B.
Stomach contents of the Caribbean pomfret *Brama caribbea* (Mead, 1972) from stomach contents of great pelagic predators from southwestern equatorial Atlantic
(2008) *Bol. Inst. Pesca*, 34, pp. 241-249.
- Zonta, R., Botter, M., Bassin, D., Pini, R., Scattolin, M., Zaggia, L.
Sediment chemical contamination of a shallow water area close to the industrial zone of Porto Marghera (Venice Lagoon, Italy)
(2007) *Mar. Poll. Bull.*, 55, pp. 529-542.

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