

Le Architectonicidae Gray I.E., 1840 del Pliocene Toscano

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Riassunto

Viene qui presentato un elenco aggiornato delle 15 specie, appartenenti alla Famiglia Architectonicidae Gray I.E., 1840, finora rinvenute o citate dai giacimenti fossili del Pliocene della Toscana. Per le specie *H. alleryi*, *Pseudotorinia architae*, si tratta della prima segnalazione nel Pliocene, mentre *Heliacus (Redivivus) contextus*, *Spirolaxis denchi* e *Discotectonica semisquamosa* vengono segnalate per la prima volta nel Pliocene della Toscana.

Abstract

In this work a revised list is given of the species of the Family of Architectonicidae, so far found in the layers of the Pliocene of Tuscany. The examine taxa are arranged as follow: Family Architectonicidae Gray I.E., 1840: Genus *Basisulcata* Melone & Taviani, 1984: 1. *Basisulcata simplex* (Bronn, 1831); Genus *Discotectonica* Marwick, 1931; 2. *Discotectonica pseudoperspectiva* (Brocchi, 1814), 3. *Discotectonica plicatula* (De Cristofori & Ian, 1832), 4. *Discotectonica semisquamosa* (Bronn, 1831); Genus *Heliacus* Orbigny, 1842: 5. *Heliacus (Redivivus) contextus* (Seguenza L., 1902), 6. *Heliacus (Granoheliacus) subvariegatus* (d'Orbigny, 1852), 7. *Heliacus (Granoheliacus) alleryi* (Seguenza G., 1876), 8. *Heliacus moniliferus* (Bronn, 1831); Genus *Architectonica* Roeding, 1798: 9. *Architectonica (Granosolarium) millegranum* (Lamarck, 1822); Genus *Pseudomalaxis* Fischer, 1885: 10. *Pseudomalaxis aldrovandii* (Foresti, 1868); Genus *Pseudotorinia* Sacco, 1892: 11. *Pseudotorinia architae* (Costa O.G., 1841), 12. *Pseudotorinia theresae* Semper, 1861; Genus *Spirolaxis* Monterosato 1913: 13. *Spirolaxis denchi* Iaume & Borro, 1946; Genus "Solarium", Lamarck, 1799: 14. "Solarium" *emiliae* Semper, 1861, 15 "Solarium" *luisae* Semper, 1861. For each species we give the localities of the Pliocene of Tuscany where they have been found.

The ecological data for the living species are correlated to their bathymetric distribution and the granulometry of the bottom. For the extinct species we have considered the ecological data of the similar Recent species and the kind of sediments where the fossil specimens have been collected. Moreover, we give some comments about previous taxonomic interpretations by several Authors. The appendix contain the list of fossiliferous bedding mentioned in the text with relative geological ages and the nature of sediment. *H. alleryi*, *Pseudotorinia architae*, are reported for the first time in the Pliocene, while *Heliacus (Redivivus) contextus*, *Spirolaxis denchi* e *Discotectonica semisquamosa* are reported for the first time in the Pliocene of Tuscany.

Key words: Architectonicidae. Pliocene. Tuscany. Italy.