

# 15<sup>th</sup> Congress of the RCMNS

Regional Committee on Mediterranean Neogene Stratigraphy

## Exploring a “physical laboratory”: the Mediterranean Basin

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HELLENIC REPUBLIC  
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University of Athens



Regional Committee on Mediterranean  
Neogene Stratigraphy



Geological Society  
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Palaeontology-Stratigraphy



Hellenic Sedimentological  
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**A ZANCLEAN FISH FAUNA FROM THE EASTERN IONIAN DOMAIN**

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Fish otoliths from the Zanclean deposits of Agia Triada section (southwestern Peloponnesus, Greece) reveal a rich fauna comprising mostly Myctophidae, Clupeidae, Sparidae, Gobiidae, Congridae, and Gadidae. Characteristic taxa include: *Ceratoscopelus maderensis*, *Pterothrissus compactus*, *Dentex macrophthalmus*, *Paraconger notialis*, *Sardina pilchardus*, *Aphia minuta*, *Dentex maroccanus*, *Pagellus erythrinus*, *Micromesistrius poutassou*, *Lesueurigobius sanzi*, and *Oblada melanura*. Compared to the known Zanclean fish faunas of the Aegean Sea, the studied assemblages are more diversified. In addition, we compare these otolith assemblages with those from the pre-evaporitic Messinian of the Ionian domain. It is clear that the Agia Triada fish fauna includes pelagic, mesopelagic-bathypelagic, and benthic-benthopelagic species, corresponding to population that re-inhabited and became fully established in the Mediterranean Sea after the Messinian salinity crisis.

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