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GRIGORIA VASILOPOULOU, GEORGE KEHAYIAS,  
DEMETRIA KLETOU, PERIKLIS KLEITOU,  
KONSTANTINOS ANTONIADIS, MARIA ROUSOU,  
VASSILIS PAPADOPOULOS, POLINA POLYKARPOU,  
GEORGE TSIAMIS

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## Spatial and temporal distribution of mesozooplankton in the coastal waters of Cyprus (Eastern Mediterranean)

Grigoria VASILOPOULOU, George KEHAYIAS, Demetris KLETOU, Periklis KLEITOU,  
 Konstantinos ANTONIADIS, Maria ROUSOU, Vassilis PAPADOPOULOS, Polina POLYKARPOU  
 and George TSIAMIS

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**Table S1.** List of all the zooplanktonic taxa found in the samples taken from the coasts of Cyprus during 2017-2019.

| ZOOPLANKTONIC TAXA  |  |   |
|---|--|---|
| HOLOPLANKTON  |  |   |
| <b>COPEPODS</b>   | 40 <i>Phaenusa spinifera</i> Claus, 1863                   | <b>MEDUSAE</b>                                      |
| 1 <i>Acartia clausi</i> Giesbrecht, 1889                    | 41 <i>Pleuroamma gracilis</i> Claus, 1863                  | 70 <i>Eutima gegenbauri</i> (Haeckel, 1864)         |
| 2 <i>Acartia negligens</i> Dana, 1849                       | 42 <i>Pontella mediterranea</i> (Claus, 1863)              | 71 <i>Sarsia</i> Lesson, 1843                       |
| 3 <i>Calocalanus pavo</i> (Dana, 1852)                      | 43 <i>Sapphirina nigromaculata</i> Claus, 1863             | <b>DECAPODS</b>                                     |
| 4 <i>Calocalanus pavoninus</i> Farran, 1936                 | 44 <i>Scolecithricella tenuiserrata</i> (Giesbrecht, 1892) | 72 <i>Lucifer</i> J.V. Thompson, 1829               |
| 5 <i>Calocalanus</i> sp. Giesbrecht, 1888                   | 45 <i>Temora stylifera</i> (Dana, 1849)                    | <b>MOLLUSKS</b>                                     |
| 6 <i>Candacia armata</i> Boeck, 1872                        | <b>CLADOCERANS</b>   | 73 Pteropods  |
| 7 <i>Candacia simplex</i> (Giesbrecht, 1889)                | 46 <i>Evadne spinifera</i> P.E. Müller, 1867               | 74 <i>Pterotrachea</i> Forsskål in Niebuhr, 1775    |
| 8 <i>Centropages kroyeri</i> Giesbrecht, 1893               | 47 <i>Penillia avirostris</i> Dana, 1849                   | <b>POLYCHAETS</b>                                   |
| 9 <i>Centropages typicus</i> Krøyer, 1849                   | 48 <i>Pseudevadne tergestina</i> Claus, 1877               | 75 Tomopteridae                                     |
| 10 <i>Centropages violaceus</i> (Claus, 1863)               | <b>CHAETOGNATHS</b>  |   |
| 11 <i>Clausocalanus arcuicornis</i> (Dana, 1849)            | 49 <i>Decipisagitta decipiens</i> (Fowler, 1905)           |   |
| 12 <i>Clausocalanus furcatus</i> (Brady, 1883)              | 50 <i>Flaccisagitta enflata</i> (Grassi, 1881)             | <b>MEROPLANKTON</b>                                 |
| 13 <i>Clausocalanus parapergens</i> Frost & Fleminger, 1968 | 51 <i>Flaccisagitta hexaptera</i> (d'Orbigny, 1836)        | <b>DECAPODS (larvae)</b>                            |
| 14 <i>Clausocalanus</i> sp. Giesbrecht, 1888                | 52 <i>Krohnitta subtilis</i> (Grassi, 1881)                | 76 <i>Athanas nitescens</i> (Leach, 1813)           |
| 15 <i>Copilia</i> sp.                                       | 53 <i>Mesosagitta minima</i> (Grassi, 1881)                | 77 <i>Acanthephyra</i> sp.                          |
| 16 <i>Corycaeus crassiusculus</i> Dana, 1849                | 54 <i>Pseudosagitta lyra</i> (Krohn, 1853)                 | 78 <i>Callianassa subterranea</i> (Montagu, 1808)   |
| 17 <i>Corycaeus typicus</i> (Krøyer, 1849)                  | 55 <i>Sagitta bipunctata</i> Quoy & Gaimard, 1827          | 79 <i>Carcinus aestuarii</i> Nardo, 1847            |
| 18 <i>Ditrichocorycaeus lubbocki</i> (Giesbrecht, 1891)     | 56 <i>Serratosagitta serratodentata</i> (Krohn, 1853)      | 80 <i>Ethusa mascarone</i> (Herbst, 1785)           |
| 19 <i>Euchaeta marina</i> (Prestandrea, 1833)               | <b>APPENDICULARIANS</b>                                    | 81 <i>Palinurus mauritanicus</i> Gruvel, 1911       |
| 20 <i>Euchirella messinensis</i> (Claus, 1863)              | 57 <i>Fritillaria borealis</i> Lohmann, 1896               | 82 <i>Squilla mantis</i> (Linnaeus, 1758)           |
| 21 <i>Euterpina acutifrons</i> (Dana, 1847)                 | 58 <i>Oikopleura dioica</i> Fol, 1872                      | 83 <i>Upogebia</i> Leach, 1814                      |
| 22 <i>Farranula rostrata</i> (Claus, 1863)                  | <b>THALIACEANS</b>   | <b>MOLLUSKS (larvae)</b>                            |
| 23 <i>Goniopsyllus rostratus</i> Brady, 1883                | 59 <i>Doliolina muelleri</i> (Krohn, 1852)                 | 84 Cephalopod larvae                                |
| 24 <i>Haloptilus longicornis</i> (Claus, 1863)              | 60 <i>Thalia democratica</i> (Forskål, 1775)               | 85 Gastropod larvae                                 |
| 25 <i>Heterorhabdus papilliger</i> (Claus, 1863)            | <b>EUPHAUSIIDS</b>   | 86 <i>Mytilus galloprovincialis</i> Lamarck, 1819   |
| 26 <i>Isias clavipes</i> Boeck, 1865                        | 61 Furcilia stage  | <b>ECHINODERMS (larvae)</b>                         |
| 27 <i>Lubbockia squillimana</i> Claus, 1863                 | <b>MYSIDS</b>  | 87 <i>Luidia sarsi</i> Düben & Koren in Düben, 1844 |

Continued

**Table S1 continued**

|    |   |    | <b>POLYCHAETS (larvae)</b>                     |
|----|---|----|--|
| 28 | <i>Lucicutia flavigornis</i> (Claus, 1863)    | 62 | <i>Anchialina agilis</i> (G.O. Sars, 1877)     |
| 29 | <i>Lucicutia ovalis</i> (Giesbrecht, 1889)    | 63 | <i>Siriella</i> Dana, 1850                     |
| 30 | <i>Lucicutia</i> sp.                          |    | <b>AMPHIPODS</b>                               |
| 31 | <i>Macrosetella gracilis</i> (Dana, 1847)     | 64 | <i>Hyperia</i> Latreille, 1823                 |
| 32 | <i>Mecynocera clausii</i> Thompson I.C., 1888 | 65 | <i>Vibilia armata</i> Bovallius, 1887          |
| 33 | <i>Mesocalanus tenuicornis</i> (Dana, 1849)   | 66 | <b>OSTRACODS</b>                               |
| 34 | <i>Nannocalanus minor</i> (Claus, 1863)       |    | <b>SIPHONOPHORES</b>                           |
| 35 | <i>Oithona plumifera</i> Baird, 1843          | 67 | <i>Bassia bassensis</i> (Quoy & Gaimard, 1833) |
| 36 | <i>Oithona setigera</i> (Dana, 1849)          | 68 | <i>Eodoxoides</i> sp.                          |
| 37 | Oncaeidae                                     | 69 | <i>Lensia</i> sp.                              |
| 38 | <i>Paracalanus parvus</i> (Claus, 1863)       |    |  |
| 39 | <i>Pareucalanus attenuatus</i> (Dana, 1849)   |    |  |

**Table S2.** The numerical results of the PCA analysis on the abundance (ind./m<sup>3</sup>) of the zooplanktonic taxa collected in the four sampling sites (Latsi, Amathounta, Meneou and Protaras) during 2017-2019.

| Axes   | 1     | 2     | 3     | 4     | Total variance |
|--|-------|-------|-------|-------|----------------|
| Eigenvalues:                                       | 0.229 | 0.145 | 0.105 | 0.087 | 1.000          |
| Cumulative percentage variance<br>of species data: | 22.9  | 37.4  | 47.9  | 56.6  |                |
| Sum of all eigenvalues                             |       |       |       |       | 1.000          |

**Table S3.** The numerical results of the first two axes of the RDA analysis on the abundance (ind./m<sup>3</sup>) of the zooplanktonic taxa and the environmental parameters measured in the surface of the four sampling sites (Latsi, Amathounta, Meneou and Protaras) during 2017-2019.

| Environmental variables               | Axis 1 | Axis 2 |
|---------------------------------------|--------|--------|
| Temperature (Temp)                    | 0.63   | 0.04   |
| Salinity (Sal)                        | -0.06  | 0.43   |
| Dissolved oxygen (DO)                 | -0.44  | -0.39  |
| Chlorophyll- $\alpha$ (Chl $\alpha$ ) | -0.36  | 0.24   |
| pH                                    | 0.16   | 0.66   |
| Eigenvalues                           | 0.186  | 0.074  |
| Species-environment correlation       | 0.913  | 0.823  |
| Cumulative percentage variance        |        |        |
| (i) of species data                   | 18.6   | 26.0   |
| (ii) of species-environment relation  | 54.6   | 76.4   |
| Sum of all eigenvalues:               |        | 1.000  |
| Sum of canonical eigenvalues          |        | 0.340  |