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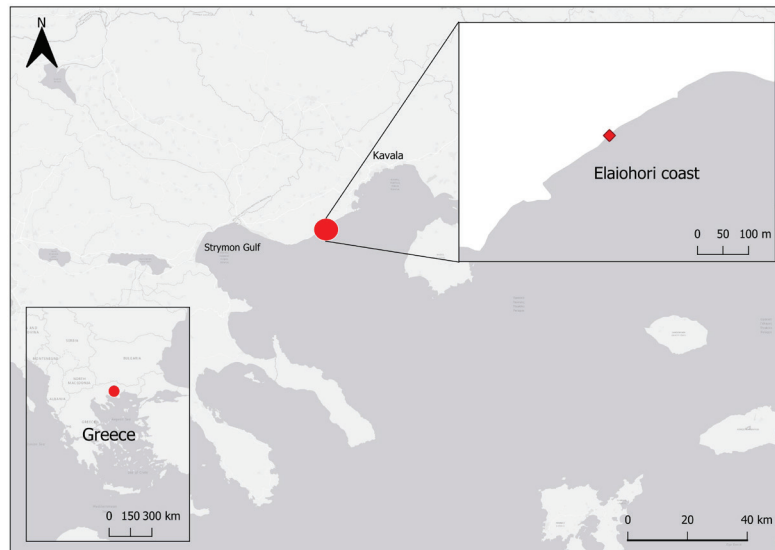


Fig. S1: Map of the study area of the Greek coast.

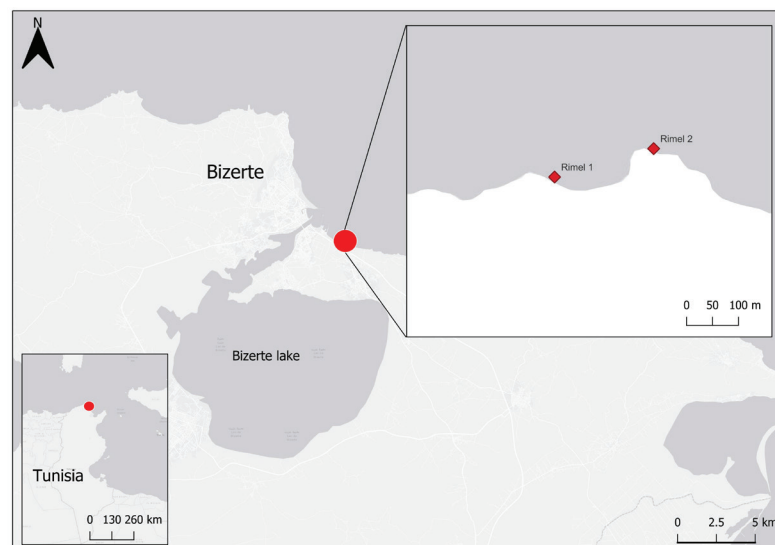


Fig. S2: Map of the study areas of the Tunisian coast.



Fig. S3: Placement of gypsum cones in Greek coasts.



Fig. S4: Placement of gypsum cones in Tunisian coasts.

Table S1. Sea conditions for each treatment in the Greek experiment.

| Country | Treatments | Date | Waves (m) | Average Depth (cm) | Wind (km/h) |
|----------------|-------------------|-------------|------------------|---------------------------|--------------------|
| Greece | 1 | 28/7/20 | 0.11 | 59.4 | 8.69 |
| Greece | 2 | 29/7/20 | 0.1 | 59.4 | 7.41 |
| Greece | 3 | 30/7/20 | 0.11 | 46.5 | 7.17 |
| Greece | 4 | 31/7/20 | 0.13 | 60.1 | 12.04 |
| Greece | 5 | 1/8/20 | 0.18 | 56.8 | 17.35 |
| Greece | 6 | 2/8/20 | 0.27 | 56.8 | 20.02 |
| Greece | 7 | 3/8/20 | 0.34 | 51.6 | 21.65 |
| Greece | 8 | 4/8/20 | 0.34 | 51.6 | 21.19 |
| Greece | 9 | 5/8/20 | 0.39 | 51.6 | 16.56 |
| Greece | 10 | 6/8/20 | 0.38 | 51.6 | 18.06 |
| Tunisia | 1 | 25/9/22 | 0.47 | N/A | 29.23 |
| Tunisia | 2 | 16/10/22 | 0.62 | N/A | 24.41 |
| Tunisia | 3 | 12/11/22 | 0.4 | N/A | 11.52 |