

## Curriculum Vitae

<i>Name</i>	<b>IOANNIS KARAKASSIS</b> Department of Biology, University of Crete
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<i>Undergraduate studies</i>	Biology Department, Univ. Athens.
<i>Postgraduate studies</i>	Post-graduate programme in Marine Biology, University of Crete Ph.D. in Marine Ecology, Biology Dept, Univ. Crete
<i>Academic Appointments</i>	<ul style="list-style-type: none"> <li>• Professor Dept Biology, University of Crete, Heraklion. (2011 – present)</li> <li>• Associate Professor, Dept Biology, University of Crete, Heraklion. (2004 – 2011)</li> <li>• Assistant Professor, Department of Environmental Engineering, Technical University of Crete (TUC), Chania, Greece (2001-2004)</li> <li>• Research scientist (C grade) Institute of Marine Biology of Crete (2000-2001)</li> <li>• Technical Research scientist (C grade) Institute of Marine Biology of Crete (1997-2000)</li> <li>• Postgraduate research scientist. Institute of Marine Biology of Crete (1991-1997)</li> </ul>
<i>Major administrative responsibilities</i>	<ul style="list-style-type: none"> <li>• Vice Chairperson of the Biology Department, Univ. Crete (2010-2012)</li> <li>• Director of the postgraduate programme in “Environmental Biology: management of marine and terrestrial biological resources” (2006-2010)</li> <li>• Director of the Section of “Biotechnology and Applied Biology” of the Biology Department (2005-2006)</li> </ul>
<i>Teaching Responsibilities</i>	<p><u>Undergraduate:</u></p> <ul style="list-style-type: none"> <li>• Benthic Ecology (2005 -) UoC</li> <li>• Marine Pollution (2005-) UoC</li> <li>• Marine Biology (2005 -) UoC</li> <li>• Animal Biodiversity (2004-2006) UoC</li> <li>• Marine Biology &amp; Biological resources (2003-2004) TUC</li> <li>• Environmental Impact Assessment (2002-2005) TUC</li> <li>• Ecology (1999-2004) TUC</li> </ul> <p><u>Postgraduate</u></p> <ul style="list-style-type: none"> <li>• Marine Ecosystems (2004 - ) UoC</li> <li>• Research Methodology Principles (2007 - ) UoC</li> <li>• Environmental Impact Assessment (2010-) UoC</li> <li>• Numerical Analysis of Ecological Data (2001-2004) TUC</li> <li>• Aquatic Ecosystems and Biodiversity (2001-2004) TUC</li> <li>• Environmental Impact Assessment (2002-2005) TUC</li> </ul>
<i>Supervision of students</i>	5 PhD students (2 PhD Theses completed, 3 in progress) 20 MSc Theses (18 completed, 2 in progress) 10 BSc Theses (8 completed, 2 in progress)
<i>Research interests</i>	Biological Oceanography, Marine Ecology, Coastal ecosystems, Anthropogenic effects on biological communities and ecosystems, impacts of aquaculture on marine ecosystems, multivariate analysis, geochemistry, environmental impact assessment, biodiversity.

<p><i>Participation in research projects</i></p>	<p>Participation as member of the research team, partner, or coordinator in 30 European and national research projects.</p> <p>Current and recent (past 5yr) international research projects:</p> <ul style="list-style-type: none"> <li>• PREVENT ESCAPE: (EU-FP7)</li> <li>• AQUAGRIS: Environmental management reform for sustainable farming, fisheries and Aquaculture(EU-FP6, SSA)</li> <li>• SAMI: Synthesis of Aquaculture and Marine Ecosystems Interactions (EU-FP6, SSA)</li> <li>• BIOFAQs: Biofiltration and Aquaculture: an evaluation of hard substrate deployment performance within Mariculture developments (EU-DG XIV, Quality of Life)</li> <li>• AQCESS: Aquaculture and Coastal Economic and Social Sustainability” (EU-DG XIV, Quality of Life)</li> <li>• MERAMED Modelling environmental response to Aquaculture in the Mediterranean (EU-DG XIV, Quality of Life)</li> <li>• MEDVEG: Effects of nutrient release from Mediterranean fish farms on benthic vegetation in coastal ecosystems” (EU-DG XIV, Quality of Life)</li> <li>• MAMA: Mediterranean network to Assess and upgrade Monitoring and forecasting Activity in the region (EU-DG XII, EESD)</li> <li>• COST-IMPACT: Costing the impact of demersal fishing on marine ecosystem processes and biodiversity (EU-DG XIV, Quality of Life)</li> <li>• Indicators of the state of benthic communities affected by anthropogenic inputs”. Intergovernmental Oceanographic Commission – UNESCO/IOC</li> </ul>
<p><i>Other national and international initiatives</i></p>	<ul style="list-style-type: none"> <li>• Member of the IUCN/FEAP working group for the establishment of Guidelines for Site selection and Modelling for marine aquaculture in the Mediterranean</li> <li>• Member of the GFCM/CAQ working group on site selection and carrying capacity in the Mediterranean</li> <li>• Member of the GESAMP working group on Offshore Aquaculture</li> <li>• Member of the FAO Working Group on Ecosystem Approach to Aquaculture</li> <li>• Coordinator of the SHOCMED initiative in the framework of the GFCM/CAQ</li> <li>• Invited expert by FAO for the evaluation of the governmental strategy plan for the development of aquaculture in Cyprus (1997).</li> <li>• Member of the feasibility study Group for a European Science Plan for Marine Biodiversity established by the European Science Foundation</li> <li>• Member of the working group of benthic indicators established by IOC-UNESCO.</li> <li>• Founding member of the «European Society for the Management of Biodiversity Data»</li> <li>• Scientific consultant to the Region of Crete for the RECITE programme (Cooperation of Regions of Crete GR and Northern Jutland DK)</li> <li>• Scientific consultant to the Region of Crete within the framework of the MEDPLUS initiative.</li> <li>• Evaluator of research proposals submitted to the EU 5FW programme "Quality of Life"</li> <li>• Member of the international Evaluation committee for research proposals on Biodiversity submitted to the ANR (France) 2007</li> <li>• Responsible for the Greek reference centre for the marine environment in the framework of European Environment Agency (EEA)</li> <li>• Member of the national (GR) committee of regulating agencies for establishing site selection criteria for marine fish farming</li> </ul>

	<ul style="list-style-type: none"> <li>• Member of the scientific committee in 4 conferences</li> <li>• Invited speaker in 37 International and national conferences.</li> <li>• Member of the Editorial Board of the Inter-Research Journal “Aquaculture-Environment Interactions AEI”</li> <li>• Reviewer of articles in international scientific journals: <ul style="list-style-type: none"> <li>• Aquaculture</li> <li>• Aquaculture Research</li> <li>• Aquaculture Environment Interactions</li> <li>• Aquacultural Research</li> <li>• Biogeochemistry</li> <li>• Chemistry and Ecology</li> <li>• Hydrobiologia</li> <li>• ICES Journal of Marine Science</li> <li>• Journal of Animal Ecology</li> <li>• Journal of Applied Ecology</li> <li>• Journal of Exp Marine Biology and Ecology</li> <li>• Journal of Marine Biological Association UK</li> <li>• Journal of Natural History</li> <li>• Journal of the World Aquaculture Society</li> <li>• Marine Biology</li> <li>• Marine Ecology Progress Series</li> <li>• Marine Environmental Research</li> <li>• Marine Pollution Bulletin</li> <li>• Stochastic Envir Res &amp; Risk Assessment</li> </ul> </li> </ul>
<i>Recent contracts/research funding during the past 5 years</i>	<ul style="list-style-type: none"> <li>• PREVENT-ESCAPE (2009-2012): 350000 Euros</li> <li>• Contract, GR Ministry for Agriculture (2006-2007): 152000 Euros</li> <li>• Aquagris (2006-2009) 20000 Euros</li> <li>• IBIS (2006-2008): 160000 Euros</li> <li>• ECASA (2004-2007): 124000 Euros</li> <li>• SAMI (2005-2007): 28000 Euros</li> <li>• MedVeg (2001-2004) 442000 Euros</li> </ul>
<i>Total number of publications</i>	>160
<i>Total citation</i>	>1600 (>1200 excluding self-citations of all types)
<i>Languages</i>	<ul style="list-style-type: none"> <li>• Greek: excellent</li> <li>• English: excellent</li> <li>• French: good</li> </ul>

## **SELECTED PUBLICATIONS**

### Papers in international journals

1. Moraitou-Apostolopoulou M, Verriopoulos G, **Karakassis I** (1986) Effects of pre-exposure on the tolerance of *Artemia salina* to oil and oil dispersant. *Marine Pollution Bulletin*, **17**(2): 72-76
2. Raffaelli D, **Karakassis I**, Galloway A (1991) Zonation schemes on sandy shores: a multivariate approach. *Journal of Experimental Marine Biology & Ecology*, **148**: 241-253
3. Koutsoubas D, Koukouras A, **Karakassis I**, Dounas C (1992) Contribution to the knowledge of Gastropoda and Bivalvia (Mollusca) of Crete Island (S. Aegean Sea). *Bolletino Malacologico*, **28**(1-4): 69-82.
4. **Karakassis I** (1995)  $S_{\infty}$ : A new method for calculating macrobenthic species richness. *Marine Ecology Progress Series*, **120**: 299-303
5. **Karakassis I**, Smith CJ, Eleftheriou A (1996) Performance of neutral model analysis in a spatio-temporal series of macrobenthic replicates. *Marine Ecology Progress Series*, **137**: 173-179
6. **Karakassis I**, Eleftheriou A (1997) The continental shelf of Crete: structure of macrobenthic communities. *Marine Ecology Progress Series*, **160**: 185-196

7. **Karakassis I**, Tsapakis M, Hatziyanni E (1998) Seasonal variability in sediment profiles beneath fish farm cages in the Mediterranean. *Marine Ecology Progress Series*, **162**: 243-252
8. Papadopoulou KN, **Karakassis I**, Otegui A (1998) Harbour meiofaunal communities and organic enrichment effects. *Fresenius Environmental Bulletin*, **7**(1-2): 34-41
9. **Karakassis I**, Eleftheriou A (1998) The continental shelf of Crete: the benthic environment. *PSZNI: Marine Ecology* **19**(4): 263-277
10. **Karakassis I** (1998) Aquaculture and coastal marine biodiversity. *Oceanis* **24**: 271-286.
11. Pitta P, **Karakassis I**, Tsapakis M, Zivanovic S (1999) Natural vs. mariculture induced variability in nutrients and plankton in the Eastern Mediterranean. *Hydrobiologia* **391**: 181-194
12. **Karakassis I**, Hatziyanni E, Tsapakis M, Plaiti W (1999) Benthic recovery following cessation of fish farming: a series of successes and catastrophes. *Marine Ecology Progress Series* **184**: 205-218
13. Rumohr H, **Karakassis I** (1999) Comparison of multivariate patterns: different taxonomic levels in macrofaunal analysis vs. sediment profiling imagery (SPI). *Marine Ecology Progress Series*, **190**: 125-132
14. Lampadariou N, **Karakassis I**, Chapdelaine L, Wilkinson MF, Dafnomili E (2000) Spatial variability in water column and sediment chemistry in Heraklion harbour (Crete, E. Mediterranean). *Fresenius Environmental Bulletin*, **9**: 164-171
15. **Karakassis I**, Tsapakis M, Hatziyanni E, Papadopoulou K-N, Plaiti W (2000) Impact of cage farming of fish on the seabed in three Mediterranean coastal areas. *ICES Journal of Marine Science*, **57**:1462-1471
16. **Karakassis I**, Hatziyanni E (2000) Benthic disturbance due to fish farming analyzed under different levels of taxonomic resolution. *Marine Ecology Progress Series*, **203**: 247-253
17. Rumohr H, **Karakassis I**, Jensen JN (2001) Estimating species richness, abundance and diversity with 70 macrobenthic replicates in the Western Baltic. *Marine Ecology Progress Series* **214**: 103-110
18. **Karakassis I**, Tsapakis M, Hatziyanni E, Pitta P (2001) Diel variation of nutrients and chlorophyll in sea bream and sea bass cages in the Mediterranean. *Fresenius Environmental Bulletin* **10**: 278-283
19. Henderson A, Gamito S, **Karakassis I**, Pederson P, Smaal A (2001) Use of Hydrodynamic and Benthic Models for Managing Environmental Impacts. *J. Appl. Ichthyol.* **17**:163-172
20. **Karakassis I**. (2001) Ecological effects of fish farming in the Mediterranean. *Cahiers Options Méditerranéennes* **55**: 15-22.
21. **Karakassis I**, Tsapakis M, Smith CJ, Rumohr H (2002) Fish farming impacts in the Mediterranean studied through sediment profiling imagery. *Marine Ecology Progress Series*, **227**: 125-133
22. Smith C, Rumohr H, **Karakassis I**, Papadopoulou KN (2003) Analysing the impact of bottom trawls on sedimentary seabeds with sediment profile imagery. *Journal of Experimental Marine Biology and Ecology*, **285-286**: 479-496.
23. Tsapakis M, Stephanou E, **Karakassis I** (2003) Evaluation of atmospheric transport as a non-point source of polycyclic aromatic hydrocarbons in marine sediments of the Eastern Mediterranean. *Marine Chemistry*, **80**: 283-298
24. Machias A, **Karakassis I**, Labropoulou M, Somarakis S, Papadopoulou KN, Papaconstantinou C (2004) Changes in wild fish assemblages after the establishment of a fish farming zone in an oligotrophic marine environment. *Estuarine coastal shelf Science* **60**: 771-779
25. Machias A, **Karakassis I**, Somarakis S, Giannoulaki M, Papadopoulou KN, Smith C (2005) The response of demersal fish communities to the presence of fish farms. *Marine Ecology Progress Series*, **288**: 241-250
26. Pitta P, **Karakassis I** (2005) Size distribution in ultraphytoplankton: a comparative analysis. *Environmental Monitoring & Assessment* **102**: 85-101
27. **Karakassis I**, Pitta P, Krom MD (2005). Contribution of fish farming to the nutrient loading of the Mediterranean. *Scientia Marina*. **69**:313-321
28. Hyland J, Balthis L, **Karakassis I**, Magni P, Petrov A, Shine J, Vestergaard O, Warwick R (2005) Organic carbon content of sediments as an indicator of stress in the marine benthos. *Marine Ecology Progress Series* **295**:91-103
29. Lampadariou N, **Karakassis I**, Teraschke S, Arlt G (2005) Benthic meiofaunal response to organic enrichment induced by fish farming in the Eastern Mediterranean. *Vie et Milieu* **55**:61-69
30. Moustakas A, **Karakassis I** (2005) How diverse is Aquatic Biodiversity Research?. *Aquatic Ecology* **39**:367-375
31. Giannoulaki M, Machias A, Somarakis S, **Karakassis I** (2005) Wild fish spatial structure in response to presence of fish farms. *J. Mar. Biol Assoc UK* **85**: 1271-1277

32. Pitta P, Apostolaki ET, Giannoulaki M, **Karakassis I** (2005) Meso-scale changes in the water column in response to aquaculture zones in three coastal areas in the Eastern Mediterranean Sea. *Estuarine coastal shelf Science* **65**: 501-512
33. Lampadariou N, **Karakassis I**, Pearson TH (2005) Cost/benefit analysis of a benthic monitoring programme of organic benthic enrichment using different sampling and analysis methodology. *Marine Pollution Bulletin* **50**:1606-1618
34. **Karakassis I**, Machias A, Pitta P, Papadopoulou KN, Smith CJ, Apostolaki E, Giannoulaki M, Koutsoubas D, Somarakis S (2006) Cross-community congruence of patterns in a marine ecosystem: do the parts reflect the whole? *Marine Ecology Progress Series* **310**: 47-54
35. Tsapakis M, Pitta P, **Karakassis I** (2006) Nutrients and fine particulate matter released during sea bass (*D. labrax*) farming. *Aquatic Living Resources* **19**: 69-75
36. Kaiser MJ, Clarke KR, Hinz H, Austen MC, Somerfield PJ, **Karakassis I** (2006) Global analysis of the response and recovery of benthic biota to fishing.. *Marine Ecology Progress Series* **311**: 1-14 (*Feature Article*)
37. Androulidakis I, **Karakassis I** (2006) Evaluation of the EIA system performance in Greece using quality indicators. *Environmental Impact Assessment Review* **26**: 242-256
38. Cook EJ, Black KD, Sayer MDJ, Cromey CJ, Angel D, Spanier E, Tsemel A, Katz T, Eden N, **Karakassis I**, Tsapakis M, Apostolaki E, Malej A (2006) The influence of caged mariculture on the early development of sublittoral fouling communities: a pan-European study. *ICES Journal of Marine Science* **63**: 637-649
39. Pitta P, Apostolaki E, Tsagaraki T, Tsapakis M, **Karakassis I** (2006) Fish farming effects on chemical and microbial variables of the water column: A spatio-temporal study along the Mediterranean Sea. *Hydrobiologia* **563**: 99-108
40. Kalantzi I, **Karakassis I** (2006) Benthic impacts of fish farming: meta-analysis of community and geochemical data. *Marine Pollution Bulletin* **52**: 484-493
41. Machias A, Giannoulaki M, Somarakis S, Maravelias CD, Neofitou C, Koutsoubas D, Papadopoulou K-N, **Karakassis I** (2006) Fish farming effects on local fisheries landings in oligotrophic seas. *Aquaculture* **261**: 809-816
42. Apostolaki E, Tsagaraki T, Tsapakis M, **Karakassis I** (2007) Fish farming impact on sediments and macrofauna associated with seagrass meadows in the Mediterranean. *Estuarine coastal shelf Science* **75**:408-416
43. Lampadariou N, Akoumianaki I, **Karakassis I** (2008) Use of the size fractionation of the macrobenthic biomass for the rapid assessment of benthic organic enrichment. *Ecological Indicators* **8**: 729-742
44. Tsagarakis K, Machias A, Giannoulaki M, Somarakis S, **Karakassis I** (2008) Seasonal and temporal trends in metrics of fish community for otter-trawl discards in a Mediterranean ecosystem. *ICES Journal of Marine Science* **65**:539-550
45. Diaz-Almela E, Marba N, Alvarez E, Santiago R, Holmer M, Grau A, Danovaro R, Argyrou M, **Karakassis I**, Duarte CM (2008) Rapid seagrass (*Posidonia oceanica*) decline linked to Mediterranean fish farm inputs. *Marine Pollution Bulletin* **56**:1332-1342
46. Holmer M, Argyrou M, Dalsgaard T, Danovaro R, Diaz-Almela E, Duarte CM, Frederiksen M, Grau A, **Karakassis I**, Marbà N, Mirto S, Pérez M, Pusceddu A, Tsapakis M (2008) Effects of fish farm waste on *Posidonia oceanica* meadows: synthesis and provision of monitoring and management tools. *Marine Pollution Bulletin* **56**:1618-1629
47. Pitta P, Tsapakis M, Apostolaki ET, Tsagaraki T, Holmer M, **Karakassis I** (2009) 'Ghost nutrients' from fish farms are transferred up the food web by phytoplankton grazers. *Marine Ecology Progress Series* **374**:1-6 (*Feature Article*)
48. Apostolaki ET, Marba N, Holmer M., **Karakassis I** (2009) Fish farming impact on decomposition of *Posidonia oceanica* detritus. *J. exper mar biol ecol.* **369**:58-64
49. Apostolaki ET, Marba N, Holmer M, **Karakassis I** (2009) Fish farming enhances mass and nutrient loss in (*Posidonia oceanica*). *Estuarine coastal shelf Science* **81**:390-400.
50. Vanden Berghe E, Claus S, Appeltans W, Faulwetter S, Arvanitidis C, Somerfield P, Aleffi IF, Amouroux JM, Anisimova N, Bachelet G, Cochrane SJ, Costello MJ, Craeymeersch J, Dahle S, Degraer S, Denisenko S, Dounas C, Duineveld G, Emblow C, Escaravage V, Fabri MC, Fleischer D, Grémare A, Herrmann M, Hummel H, **Karakassis I**, Kędra M, Kendall M, Kingston P, Kotwichi L, Labruno C, Laudien J, Nevrova H, Occhipinti-Ambrogi A, Olsgard F, Palerud R, Petrov A, Rachor E, Revkov N, Rumohr H, Sardá R, Sisternans WCH, Speybroeck J, Janas U, Van Hoey G, Vincx M, Whomersley P, Willems W, Włodarska-Kowalczyk M, Zenetos A, Zettler ML, Heip C (2009)

- 'MacroBen' integrated database on benthic invertebrates of European continental shelves: a tool for large-scale analysis across Europe. *Marine Ecology Progress Series* **382**: 225-238
51. Renaud PE, Webb TJ, Bjørgesæter A, **Karakassis I**, Kędra M, Kendall MA, Labrune C, Lampadariou N, Somerfield PJ, Włodarska-Kowalczyk M, Vanden Berghe E, Claus S, Aleffi F, Amouroux JM, Bryne KH, Cochrane SJ, Dahle S, Degraer S, Denisenko SG, Deprez T, Dounas C, Fleischer D, Gil J, Grémare A, Janas U, Mackie ASY, Palerud R, Rumohr H, Sardá R, Speybroeck J, Taboada S, Van Hoey G, Węśławski JM, Whomersley P, Zettler ML (2009) Continental-scale patterns in benthic invertebrate diversity: Insights from the MarBEF database. *Marine Ecology Progress Series* **382**: 239-252
  52. Escaravage V, Herman PMJ, Merckx B, Włodarska-Kowalczyk M, Amouroux JM, Degraer S, Grémare A, Heip CHR, Hummel H, **Karakassis I**, Labrune C, Willems W (2009) Productivity explains the distribution patterns of macrofauna species diversity in subtidal soft sediments. Results from a pan European dataset. *Marine Ecology Progress Series* **382**: 253-264
  53. Arvanitidis C, Somerfield PJ, Rumohr H, Faulwetter S, Valavanis V, Vasileiadou A, Chatzigeorgiou G, Vanden Berghe E, Vanaverbeke J, Labrune C, Grémare A, Zettler ML, Kędra M, Włodarska-Kowalczyk M, Aleffi IF, Amouroux JM, Anisimova N, Bachelet G, Büntzow M, Cochrane S, Costello MJ, Craeymeersch J, Dahle S, Degraer S, Denisenko S, Dounas C, Duineveld G, Emblow C, Escaravage V, Fabri MC, Fleischer D, Gray JS, Heip C, Hermann M, Hummel H, Janas U, **Karakassis I**, Kendall MA, Kingston P, Kotwicki L, Laudien J, Mackie ASY, Nevrova HL, Occhipinti-Ambrogi A, Oliver PG, Olsgard F, Palerud R, Petrov A, Rachor E, Revkov NK, Rose A, Sardá R, Sijm WCH, Speybroeck J, Van Hoey G, Vincx M, Whomersley P, Willems W, Zenetos A (2009) Biological geography of the European Seas: results from the macrofaunal inventory of the soft-substrate communities *Marine Ecology Progress Series* **382**: 265-278
  54. Somerfield PJ, Arvanitidis C, Faulwetter S, Chatzigeorgiou G, Vasileiadou A, Amouroux J, Anisimova N, Cochrane S, Craeymeersch J, Dahle S, Denisenko S, Dounas K, Duineveld G, Grémare A, Heip C, Herrmann M, **Karakassis I**, Kędra M, Kendall M, Kingston P, Kotwicki L, Labrune C, Laudien J, Nevrova H, Nicolaidou A, Occhipinti-Ambrogi A, Palerud R, Petrov A, Rachor E, Revkov N, Rumohr H, Sardá R, Janas U, Vanden Berghe E, Włodarska-Kowalczyk M (2009) Assessing evidence for random assembly of marine benthic communities from regional species pools. *Marine Ecology Progress Series* **382**: 279-286
  55. Webb TJ, Aleffi IF, Amouroux JM, Bachelet G, Degraer S, Dounas C, Dirk Fleischer D, Grémare A, Herrmann M, Hummel H, **Karakassis I**, Kędra M, Kendall MA, Kotwicki L, Labrune C, Nevrova EL, Occhipinti-Ambrogi A, Petrov A, Revkov NK, Sardá R, Simboura N, Speybroeck J, Van Hoey G, Vincx M, Whomersley P, Willems W, Włodarska-Kowalczyk M (2008) Macroecology of the European soft sediment benthos: insights from the Macroben database. *Marine Ecology Progress Series* **382**: 287-296
  56. Grémare A, Labrune C, Vanden Berghe E, Amouroux JM, Bachelet G, Zettler ML, Vanaverbeke J, Fleischer D, Bigot L, Maire O, Deflandre B, Craeymeersch J, Degraer S, Dounas C, Duineveld G, Heip C, Herrmann M, Hummel H, **Karakassis I**, Kędra M, Kendall M, Kingston P, Laudien J, Occhipinti-Ambrogi A, Rachor E, Sardá R, Speybroeck J, Van Hoey G, Vincx M, Whomersley P, Willems W, Włodarska-Kowalczyk M, Zenetos A (2009) Comparison of the performances of two biotic indices based on a soft-bottom macrozoobenthos pan-European database. *Marine Ecology Progress Series* **382**: 297-311
  57. Moustakas A, **Karakassis I** (2009) Are a country's lifestyle and geomorphology linked with published aquatic biodiversity research? *Stochastic Environmental Research and Risk Assessment* **23**: 737-748
  58. Borja A, Germán Rodríguez J, Black K, Bodoy A, Emblow C, Fernandes TF, Forte J, **Karakassis I**, Muxika I, Nickell TD, Papageorgiou N, Pranovi F, Sevastou K, Tomassetti P, Angel D (2009) Assessing the suitability of a range of benthic indices in the evaluation of environmental impact of fin and shellfish aquaculture located in sites across Europe. *Aquaculture* **293**: 231-240
  59. Papageorgiou N, Sigala K, **Karakassis I** (2009) Changes of macrofaunal functional composition at sedimentary habitats in the vicinity of fish farms. *Estuarine Coastal Shelf Science* **83**: 561-568
  60. Duarte CM, Holmer M, Olsen Y, Soto D, Marbà N, Guiu J, Black K, **Karakassis I** (2009) Will the oceans help feed humanity? *Bioscience* **59**: 967-976
  61. Teixeira H, Borja A, Weisberg S, Ransinghe J, Cadien D, Dauer D, Dauvin JC, Degraer S, Diaz R, Grémare A, **Karakassis I**, Llansó R, Lovell L, Marques J, Montagne D, Occhipinti-Ambrogi A, Rosenberg R, Sardá R, Schaffner L, Velarde R, (2010) Assessing Coastal Benthic Macrofauna Community Condition Using Best Professional Judgment - developing consensus across North

- America and Europe. *Marine Pollution Bulletin* **60**:589-600
62. Papageorgiou N, Kalantzi I, Karakassis I (2010) Effects of fish farming on different sediment types of the Mediterranean Sea. *Marine Environmental Research* **69**:326-336
  63. Apostolaki ET, Marba N, Holmer M, **Karakassis I** (2010) Degrading seagrass (*Posidonia oceanica*) ecosystems: a source of dissolved matter to the Mediterranean. *Hydrobiologia* **649**: 13-23
  64. Tsapakis M, Dakanali E, Stephanou EG, **Karakassis I** (2010) PAHs and n-alkanes in Mediterranean coastal marine sediments: Aquaculture as a significant point source. *Journal of Environmental Monitoring* **12**:958-963
  65. Apostolaki ET, Marba N, Holmer M, **Karakassis I** (2010) Metabolic imbalance in coastal vegetated (*Posidonia oceanica*) and unvegetated benthic ecosystems. *Ecosystems* **13**: 459-471
  66. Tsagaraki TM, Petihakis G, Tsiaras K, Triantafyllou G, Tsapakis M, Korres G, Kakagiannis G, Frangoulis C, **Karakassis I** (2011) Beyond the cage: Ecosystem modelling for impact evaluation in aquaculture. *Ecological Modelling* **222**: 2512-2523
  67. Apostolaki ET, Holmer M, Marbū N, **Karakassis I** (2011) Epiphyte dynamics and carbon metabolism in a nutrient enriched Mediterranean seagrass (*Posidonia oceanica*) ecosystem. *Journal of Sea Research* **66**: 135-142
  68. Palialexis A, Georgakarakos S, **Karakassis I**, Lika K, Valavanis VD (2011) Fish distribution predictions from different points of view: Comparing associative neural networks, geostatistics and regression models. *Hydrobiologia* **670**: 165-188.
  69. Palialexis A, Georgakarakos S, **Karakassis I**, Lika K, Valavanis VD (2011) Prediction of marine species distribution from presence-absence acoustic data: Comparing the fitting efficiency and the predictive capacity of conventional and novel distribution models. *Hydrobiologia* **670**: 241-266.
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