

## PUBBLICAZIONI

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Scopus: h-index:10; documents: 18; total citations: 363

### Articoli in rivista

1. Caricato, R., Giordano, M.E., Schettino, T., Maisano, M., Mauceri, A., Giannetto, A., Cappello, T., Parrino, V., Ancora, S., Caliani, I., Bianchi, N., Leonzio, C., Mancini, G., Cappello, S., Fasulo, S., Lionetto, M.G. (2019). Carbonic anhydrase integrated into a multimarker approach for the detection of the stress status induced by pollution exposure in *Mytilus galloprovincialis*: A field case study. *Science of the Total Environment*, 690: 140-150.
2. Oliva, M., De Marchi, L., Cuccaro, A., Casu, V., Tardelli, F., Monni, G., Freitas, R., Caliani, I., Fossi, M.C., Fratini, S., Baratti, M., Pretti, C. (2019). Effects of copper on larvae of the marbled crab *Pachygrapsus marmoratus* (Decapoda, Grapsidae): Toxicity test and biochemical marker responses. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, 223: 71-77.
3. Caliani, I., Rodríguez, L.P., Casini, S., Granata, A., Zagami, G., Pansera, M., Querci, G., Minutoli, R. (2019). Biochemical and genotoxic biomarkers in *Atherina boyeri* to evaluate the status of aquatic ecosystems. *Regional Studies in Marine Science*, 28, 100566.
4. Caliani I., Poggioni L., D'Agostino, A., Fossi M.C., Casini S. (2019). An immune response-based approach to evaluate physiological stress in rehabilitating loggerhead sea turtle. *Veterinary Immunology and Immunopathology*. 207: 18-24. Impact factor: 1,632
5. Bains M., Fossi M.C., Galli M., Caliani I., Campani T., Finoia M.G., Panti C. (2018). Abundance and characterization of microplastics in the coastal waters of Tuscany (Italy): The application of the MSFD monitoring protocol in the Mediterranean Sea. *Marine Pollution Bulletin*, 133: 543-552. Impact factor: 3,241
6. Casini S., Caliani I., Giannetti M., Marsili L., Maltese S., Coppola D., Bianchi N., Campani T., Ancora S., Caruso C., Furi G., Parga M., D'Agostino A., Fossi M.C. (2018). First ecotoxicological assessment of *Caretta caretta* (Linnaeus, 1758) in the Mediterranean Sea using an integrated nondestructive protocol, *Science of the Total Environment*, 631-632:1221-1233. Impact factor: 4,61
7. Fossi M.C., Pedà C., M. Compa, Tsangaris C., Alomar C., Claro F., Ioakeimidis C., Galgani F., Hema T., Deudero S., Romeo T., Battaglia P., Andaloro F, Caliani I., Casini S., Panti C., Bains M. (2018). Bioindicators for monitoring marine litter ingestion and its impacts on Mediterranean biodiversity. *Environmental Pollution*, 237: 1023-1040. Impact factor: 4,358
8. Rodriguez L.P., Caliani I., Brugnano C., Granata A., Guglielmo R., Guglielmo L., Zagami G., Minutoli R. (2018). Biomarkers employment in planktonic copepods form early management and conservation of aquatic ecosystems: the case of the “Capo Peloro” lakes (southern Italy), *Regional Studies in Marine Science*, 18:161-169. Impact factor: 1,152
9. Campani T., Caliani I., Pozzuoli C., Romi M., Fossi M.C., Casini S. (2017). Assessment of toxicological effects of raw and bioremediated olive mill waste in the earthworm *Eisenia fetida*: A biomarker approach for sustainable agriculture. *Applied Soil Ecology*, 119: 18-25. Impact factor: 2,916
10. Fossi M.C., Marsili L., Bains M., Giannetti M., Coppola D., Guerranti C., Caliani I., Minutoli R., Lauriano G., Finoia M.G., Rubegni F., Panigada S., Berubè M., Ramírez U.J., Panti C. (2016). Fin whales and microplastics: The Mediterranean Sea and the Sea of Cortez scenarios. *Environmental Pollution*, 209: 68–78. Impact factor: 5,099
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13. Fossi M.C., Panti C., Marsili L., Maltese S., Spinsanti G., Casini S., Caliani I., Gaspari S., Munoz-Arnanz J., Jimenez B., Finoia M.G. (2013). The Pelagos Sanctuary for Mediterranean marine mammals: Marine Protected Area (MPA) or marine polluted area? The case study of the striped dolphin (*Stenella coeruleoalba*). *Marine Pollution Bulletin*, 70:64-72. Impact factor: 2,793
14. Depledge M.H., Galgani F., Panti C., Caliani I., Casini S., Fossi M.C. (2013). Plastic litter in the sea. *Marine Environmental Research*, 92: 279–281. Impact factor: 2,328
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### ***Libri e capitoli di libri***

1. Bains M., Pedà C., Panti C., Caliani I., Casini S., Leonzio C., Fossi M.C. (2017). Bioindicator selection in the strategies for monitoring marine litter in the Mediterranean Sea. Realizzato con il contributo dei seguenti enti: Università di Siena SDSN, Un Environment/Mediterranean Action Plan (Grecia), Istituto Superiore per la Protezione e la Ricerca Ambientale (ISPRA), Museum National D’Histoire Naturelle (Francia), Institut Francais de Recherche pour l’Exploitation de la Mer (IFREMER) (Francia), Hellenic Centre for Marine Research (HCMR) (Grecia).
2. Borghesi F., Abdennadher A., Baccetti N., Bains M., Bianchi N., Caliani I., Marsili L., Thévenet M. (2016). Developing sampling protocols for biomonitoring contaminants in Mediterranean seabird. PIM
3. Fossi M.C. Bains M., Campani T., Casini S., Caliani I., Coppola D., Marsili L., Guerranti C., Panti C. (2014). The impact of macro and micro-plastics on Mediterranean large vertebrates: persistent Bioaccumulate Toxic (PBT) substances, plastic and related toxicological effects. CIESM- marine litter in the Mediterranean and Black Sea - Tirana, Albania, 18-21 June 2014.
4. Marsili L., Maltese S., Coppola D., Caliani I., Carletti L., Giannetti M., Campani T., Bains M., Panti C., Casini S., Fossi M.C. (2012). “Test Tube Cetaceans”: From the Evaluation of Susceptibility to the Study of Genotoxic Effects of Different Environmental Contaminants Using Cetacean Fibroblast Cell Cultures. In: *Marine Mammals*, Ed. A. Romero, InTech, pp. 49-76 (Capitolo XX).

### ***Abstract in rivista***

1. Caliani I., Ferraro M., Casini S., Mori G., Maltese S., Marsili L., Fossi M.C. (2012). Biomarker responses in mosquito fish (*Gambusia affinis*) to in vivo exposure to produced waters. *Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology*, 163 (1): S16.
2. Caliani I., Casini S., Campani T., Giannetti M., Marsili L., Fossi M.C. (2010). First assessment of DNA damage in Mediterranean pelagic species loggerhead turtle and swordfish: application of comet assay and diffusion assay in frozen total blood. *Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology*, 157 (1): S14
3. Casini S., Caliani I., Marsili L., Giannetti M., Maltese S., Ancora S., Bianchi N., Panti C., Campani T., Carletti L., Coppola D., Cañadas A., Parga M., Fossi M.C. (2010). A non lethal multi-biomarker approach to investigate the ecotoxicological status of mediterranean loggerhead sea turtle (*Caretta caretta*, Linneo, 1758). *Comparative Biochemistry and Physiology - Part A: Molecular & Integrative Physiology*, 157 (1): S23-S24
4. Caliani I., Ferraro M., Casini S., Mori G., Maltese S., Marsili L., Fossi M.C. (2009) Biomarkers of biotransformation, oxidative stress and genotoxicity in mosquito fish exposed to PW. *Pharmacologyonline* 3: 1076
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7. Porcelloni S., Caliani I., Casini S., Marsili L., Ferraro M., Frenzilli G., Fossi M.C. (2008) Micronucleus test and comet assay for the detection of genotoxicity in blood cells of *Gambusia affinis* exposed to produced waters. *Marine Environmental Research* 66 (1): 67-67.

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1. Baini M., Giannetti M., Maltese S., Caliani I., Carletti L., Campani T., Coppola D., Fossi M.C., Renieri T., Marsili L. (2012). Nanotossicologia: effetti di nanoparticelle di oro (AuNP) su fibroblasti di Cetacei. Atti del 43° Congresso SIBM, Marina di Camerota (Sa), 4-8 giugno 2012; 4 pp: 31-34.
2. Giannetti M., Fossi M.C., Baini M., Coppola D., Maltese S., Panti C., Campani T., Caliani I., Carletti L., Pireddu L., Fara G., Casini S., Marsili L., Denurra D. (2012). Effetti tossicologici in esemplari di *Caretta caretta* (Linneo 1758) campionati nel centro recupero animali marini del Parco Naturale dell'Asinara (Sardegna). Atti del 43° Congresso SIBM, Marina di Camerota (Sa), 4-8 giugno 2012; 4 pp: 47-50.
3. Caliani I., Casini S., Marsili L., Fossi M.C. (2011). Messa a punto di un approccio integrato per la valutazione della tossicità e genotossicità delle acque reflue. Ecomondo, Rimini (Italia).  
***Comunicazione orale Caliani***
4. Campani T., Caliani I., Bianchi N., Giannetti M., Fossi M.C., Leonzio C. (2011). Utilizzo di bioindicatori animali e vegetali dell'impatto eco tossicologico causato dalla combustione di rifiuti pericolosi. Ecomondo, Rimini (Italia).
5. Giannetti M., Casini S., Caliani I., Campani T., Coppola D., Maltese S., Panti C., Bianchi N., Ancora S., Marsili L., Fossi M.C. (2011). Messa a punto di un approccio non letale per il monitoraggio di specie a rischio nel mar Mediterraneo: la tartaruga marina *Caretta caretta* (Linneo, 1758). Ecomondo, Rimini (Italia).

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1. Caliani I., Poggioni L., D'agostino A., Fossi M.C., Casini S. (2018). Evaluation of physiological stress in Mediterranean rehabilitating loggerhead sea turtles using an immune response-based approach. 31st ESCPB Congress – Shifting Biological Landscapes: from molecules to mechanisms, Porto, Portugal, 9-12 September 2018
2. Casini S., Caliani I., Giannetti M., Marsili L., Maltese S., Coppola D., Bianchi N., Campani T., Ancora S., Fossi M.C. (2018). Development and application of an integrated nondestructive protocol for ecotoxicological assessment of *Caretta Caretta* (Linnaeus, 1758). 31st ESCPB Congress – Shifting Biological Landscapes: from molecules to mechanisms, Porto, Portugal, 9-12 September 2018
3. Campani T., Caliani I., Pozzuoli C., Poggioni L., Casini S. (2018). Toxicological effects of commercial fungicides on the earthworm *Eisenia fetida* (Savigny, 1826): laboratory and field investigations. 31st ESCPB Congress – Shifting Biological Landscapes: from molecules to mechanisms, Porto, Portugal, 9-12 September 2018
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5. Casini S., Caliani I., Giannetti M., Marsili L., Maltese S., Coppola D., Bianchi N., Campani T., Ancora S., Fossi M.C. (2018). Ecotoxicological assessment of *Caretta caretta* (Linnaeus, 1758) in the Mediterranean Sea using an integrated non-invasive protocol. SETAC Europe 28<sup>th</sup> Responsible and Innovative Research for Environmental Quality, 13-17 May, Rome 2018.
6. Campani T., Caliani I., Pozzuoli C., Poggioni L., Casini S. (2018). Toxicological effects of commercial fungicides on the earthworm *Eisenia fetida* (Savigny, 1826): laboratory and field investigations. SETAC Europe 28<sup>th</sup> Responsible and Innovative Research for Environmental Quality, 13-17 May, Rome 2018.
7. Casini S., Cai G., Caliani I., Romi M., Parrotta L., Pozzuoli C., Campani T. (2017) An innovative Bioremediation System to Reduce the Impact of Oil Mill Waste in Soil and Freshwater Compartments, Producing Natural Fertilizers. 5th International Conference on Development (ICSD), 6-7 September, 2017 Rome, Italy.
8. Campani T., Caliani I., Pozzuoli C., Romi M., Fossi M.C., Casini S. (2016). Use of biomarkers in sustainable agriculture: investigating toxicological impact of olive mill waste before and after bioremediation process. 30th ESCPB Congress. Unraveling complexity: from molecules to ecosystems, Spain – 4/7 September 2016.
9. Fossi M. C., Panti C., Marsili L., Bainsi M., Caliani I., Finoia M. G., Panigada S., Rubegni F., Minutoli R. (2015). Microplastic, gyres and fin whales in the Mediterranean Sea. In: Proceedings of “In the Wake of Plastics International conference”. p. 48, Venice (Italy), 13-15 October 2015
10. M. Bainsi, C. Panti, I. Caliani, T. Campani, M. Ria, M. C. Fossi (2015). Abundance and characterization of floating microplastics along the Tuscany coast (Italy): the first application of the MSFD monitoring protocol. In: MICRO 2015. Seminars on Plastic Issues. Book of Abstract. p. 67, Piran (Slovenia), 4-6 may 2015.
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  18. De Lucia G.A., Matiddi M., Camedda A., Coppa S., Caliani I., Campani T., Giannetti M., Coppola D., Panti C., Bainsi M., Guerranti C., Fossi M.C., Alcaro L. (2013). Neustonic microplastic in the Sardinian coast (Central-Western Mediterranean Sea): amount, distribution and impact on zooplankton. Biology and ecotoxicology of large marine vertebrates: potential sentinels of Good Environmental Status of marine environment, implication on European Marine Strategy Framework Directive, Second edition, Siena, Italy, 5-6 June 2013.
  19. Caliani I., Campani T., Giannetti M., Marsili L., Casini S., Fossi M.C. (2013). Genotoxicity biomarkers in Mediterranean pelagic species. Biology and ecotoxicology of large marine vertebrates: potential sentinels of Good Environmental Status of marine environment, implication on European Marine Strategy Framework Directive, Second edition, Siena, Italy, 5-6 June 2013.
  20. Casini S., Bainsi M., Giannetti M., Caliani I., Campani T., Fossi M.C. (2013). A nondestructive biomarker approach to investigate the ecotoxicological status of seabirds. Biology and ecotoxicology of large marine vertebrates: potential sentinels of Good Environmental Status of marine environment, implication on European Marine Strategy Framework Directive, Second edition, Siena, Italy, 5-6 June 2013.
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24. Casini S., Caliani I., Giannetti M., Maltese S., Coppola D., Bianchi N., Campani T., Ancora S., Marsili L., Fossi M.C. (2012). Investigating the threat from pollution to the endangered species *Caretta caretta* (Linnaeus, 1758) in the Mediterranean: the use of novel non-invasive biomarkers. 6th SETAC World Congress, Securing a sustainable future: Integrating science, policy and people, Berlin (Germany), 20-24 May 2012.
  25. Caliani I., Casini S., Campani T., Giannetti M., Marsili L., Fossi M.C. (2012). First assessment of DNA damage in Mediterranean pelagic species loggerhead turtle and swordfish: application of comet assay and diffusion assay in frozen total blood. International workshop "Biology and ecotoxicology of large marine vertebrates: potential sentinels of Good Environmental Status of marine environment, implication on European Marine Strategy Framework Directive" Siena (Italy) 31<sup>st</sup> January 2012.
  26. Giannetti M., Caliani I., Casini S., Campani T., Coppola D., Maltese S., Ancora S., Bianchi N., Marsili L., Fossi M.C. (2012). Assessment of ecotoxicological status of the Mediterranean population of *Caretta caretta* (Linnaeus, 1758) based on classes of age. International workshop "Biology and ecotoxicology of large marine vertebrates: potential sentinels of Good Environmental Status of marine environment, implication on European Marine Strategy Framework Directive" Siena (Italy) 31<sup>st</sup> January 2012.
  27. Casini S., Caliani I., Giannetti M., Maltese S., Coppola D., Bianchi N., Campani T., Ancora S., Marsili L., Fossi M.C. (2012). Non invasive ecotoxicological investigations in *Caretta caretta* in the Mediterranean: implications for descriptor 8 and 10 of the Marine Strategy Framework Directive. International workshop "Biology and ecotoxicology of large marine vertebrates: potential sentinels of Good Environmental Status of marine environment, implication on European Marine Strategy Framework Directive" Siena (Italy) 31<sup>st</sup> January 2012.
  28. Marsili L., Fossi M.C., Mazzi L., Terzuoli G., Maltese S., Caliani I., Carletti L., Campani T., Giannetti M., Coppola D., Baldi G., Renieri T. (2011). First investigation on toxicological effects in fibroblast cell cultures of cetaceans experimentally treated with gold ingegnerized nanoparticles (Au NPs). NanotechItaly 2011, Promoting Responsible Innovation, Venice (Italy), 23-25 November 2011.
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  30. Campani T., Caliani I., Bianchi N., Fossi M.C., Leonzio C. (2011). A multi-trial approach for estimating potential ecotoxicological effects of an industrialized area. SETAC Europe 21th Annual Meeting, Ecosystem Protection in a Sustainable World: a challenge for Science and Regulation, Milan (Italy), 15-19 May 2011.
  31. Caliani I., Casini S., Campani T., Giannetti M., Marsili L., Fossi M.C. (2010) First assessment of DNA damage in Mediterranean pelagic species loggerhead turtle and swordfish: application of comet assay and diffusion assay in frozen total blood. 27<sup>th</sup> ESCPB<sup>new</sup> Congress, Biological effects of climate changes and pollution: from biomarkers to system biology, Alessandria (Italia) 5-9 Settembre 2010
  32. Casini S., Caliani I., Marsili L., Giannetti M., Maltese S., Ancora S., Bianchi N., Panti C., Campani T., Carletti L., Coppola D., Parga M., Fossi M.C. (2010) A non lethal multi-biomarker approach to investigate the ecotoxicological status of mediterranean loggerhead sea turtle (*Caretta caretta*, Linnaeus, 1758). 27<sup>th</sup> ESCPB<sup>new</sup> Congress, Biological effects of

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33. Caliani I., Ferraro M., Casini S., Frenzilli G., Maltese S., Mori G., Marsili L., Fossi M.C. (2010) Oxidative and genotoxic potential of produced waters: a multi-biomarker approach using a model fish species. SETAC Europe 20<sup>th</sup> Annual Meeting, Science and Technology for the Environmental Protection, Seville (Spain), 23-27 May 2010
  34. Ferraro M., Casini S., Marsili L., Mori G., Caliani I., Maltese S., Fossi M.C (2010) Ten years of ecotoxicological monitoring of oil and gas production activities: development and application of an integrated multi-biomarker approach. SETAC Europe 20<sup>th</sup> Annual Meeting, Science and Technology for the Environmental Protection, Seville (Spain), 23-27 May 2010
  35. Casini S., Caliani I., Marsili L., Ancora S., Maltese S., Giannetti M., Panti C., Fossi M.C. (2010) Development of non-lethal biomarkers for ecotoxicological study of the Mediterranean loggerhead turtle (*Caretta caretta*). SETAC Europe 20<sup>th</sup> Annual Meeting, Science and Technology for the Environmental Protection, Seville (Spain), 23-27 May 2010
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  38. Caliani I., Ferraro M., Casini S., Porcelloni S., Maltese S., Mori G., Marsili L., Fossi M.C. (2009). *Gambusia affinis*: a fish model to assess the toxicological impact of produced waters. 15<sup>th</sup> Symposium PRIMO 15, Bordeaux (France), 17-20 May 2009
  39. Mieiro C.L., Caliani I., Pereiral M.E., Duarte A.C., Pacheco M. (2008). Mercury accumulation and antioxidant responses in the brain of *Liza aurata* under environmental exposure in a coastal lagoon. 18th SETAC Annual Meeting, Warsaw (Poland), 25-29 May 2008
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