

Tomás Vega Fernández



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Current Position: Researcher.

Current Affiliation: Stazione Zoologica Anton Dohrn, Department of Integrated Marine Ecology, Villa Comunale, Naples, 80121 – Italy.

Education/Training/Experience

Institution	Degree / Position	Year	Field of study
Stazione Zoologica Anton Dohrn	Permanent researcher	2018	Integrated marine ecology
National Research Council, Italy	Permanent researcher	2012	Coastal marine ecology
University of Palermo, Italy	Ph.D. Animal Biology	2014	Ecosystem-based marine spatial management
National Research Council, Italy	Contracted researcher	2010	Marine spatial management
University of Pisa, Italy	M.Sc. Marine Biology	2009	Marine ecology
Coast Guard of Palermo, Italy	Contracted researcher	2009	Fish sampling & analysis
University of Murcia, Spain	Contracted researcher	2008	Data analysis
National Research Council, Italy	Contracted researcher	2006	Fish sampling & analysis
National Research Council, Italy	Contracted researcher	2000	Impact assessment
University of Murcia, Spain	Research grant holder	1997	Fish sampling
University of Murcia, Spain	B.Sc. + M.Sc. Biology	1996	Ecology
Indapex S.A., Spain	Technical assistant	1991	Fish culture

Appointments and awards

2018: Chairman at the plenary thematic session on Environment held during the Third Symposium of the Association of Spanish Researchers in the Republic of Italy (ASIERI) focused on Responsible Research and Innovation.

2017: Member of the Working Group on Small Scale Fisheries (WWSSF) of the General Fisheries Commission for the Mediterranean, Food and Agriculture Organization (FAO-GFCM).

2016: Best poster on habitat formers by the Italian Society of Marine Biology (SIBM).

2016: Vice-president of the Association of Spanish Researchers in the Republic of Italy (ASIERI).

2015: Price “Giuseppe Bernardi” by the Italian Society of Marine Biology (SIBM).

Other

2018: Member of the network of national associations of Spanish researchers in the world (RAICEX).

2016: Member of the European research excellence network COST.

Participant in 5 European and 8 national research projects.

Publications

Author of 33 articles in international journals (H index: 14; g index: 27); 12 papers in national journals; 2 book chapters; 32 contributions in conference proceedings; and 21 reports (10/07/2018).

Peer-reviewed publications (last 10 years):

- Musco L, Vega Fernández T, Caroselli E, Roberts JM, Badalamenti F (*in press*). Protocooperation among small polyps allows the coral *Astroides calycularis* to prey on large jellyfish. *Ecology*. DOI: 10.1002/ecy.2413
- Noè S, Gianguzza P, Di Trapani F, Badalamenti F, Vizzini S, Vega Fernández T, Bonaviri C (*in press*). Native predators control the population of an invasive crab in no-take marine protected areas. *Aquatic Conservation: Marine and Freshwater Ecosystems*. <https://doi.org/10.1002/aqc.2921>
- Mačić V, Albano PG, Almpnidou V, Claudet J, Corrales X, Essl F, Evagelopoulos A, Giovos I, Jimenez C, Kark S, Marković O, Mazaris AD, Ólafsdóttir GA, Panayotova M, Petović S, Rabitsch W, Ramdani M, Rilov G, Tricarico E, Vega Fernández T, Sini M, Trygonis V, Katsanevakis S (2018). Biological invasions in conservation planning: A global systematic review. *Frontiers in Marine Science* 5: 178 (1-13). <https://doi.org/10.3389/fmars.2018.00178>

- Galasso C, Orefice I, Toscano A, Vega Fernández T, Musco L, Brunet C, Sansone C, Cirino P (2018). Food modulation controls astaxanthin accumulation in eggs of the sea urchin *Arbacia lixula*. *Marine Drugs* 16: 186 (1-9). <https://doi.org/10.3390/md16060186>
- Langeneck J, Diez ME, Nygren A, Salazar-Vallejo S, Carrera-Parra LF, Vega Fernández T, Badalamenti F, Castelli A, Musco L (2018). Worming its way into Patagonia: an integrative approach reveals the cryptic invasion by *Eulalia clavigera* (Annelida: Phyllodocidae). *Marine Biodiversity*: (1-11). <https://doi.org/10.1007/s12526-018-0864-y>
- Noè S, Badalamenti F, Bonaviri C, Musco L, Vega Fernández T, Vizzini S, Gianguzza P (2018). Food selection of a generalist herbivore exposed to native and non-native seaweeds. *Marine Pollution Bulletin* 129: 469-473. <http://doi.org/10.1016/j.marpolbul.2017.10.015>
- Willis TJ, Berglöf KTL, McGill RAR, Musco L, Piraino S, Rumsey CL, Vega Fernández T, Badalamenti F (2017). Kleptopredation: a mechanism to facilitate planktivory in a benthic mollusc. *Biology Letters* 13: 20170447. <http://dx.doi.org/10.1098/rsbl.2017.0447>
- Bertocci I, Badalamenti F, Lo Brutto S, Mikac B, Pipitone C, Schimmenti E, Vega Fernández T, Musco L (2017). Reducing the data-deficiency of threatened European habitats: Spatial variation of sabellariid worm reefs and associated fauna in the Sicily Channel, Mediterranean Sea. *Marine Environmental Research* 130: 325-337. <https://doi.org/10.1016/j.marenvres.2017.08.008>
- Cirino P, Brunet C, Ciaravolo M, Galasso C, Musco L, Vega Fernández T, Sansone C, Toscano A (2017). The sea urchin *Arbacia lixula*: A novel natural source of astaxanthin. *Marine Drugs* 15: 187 (1-10). <https://doi.org/10.3390/md15060187>
- Buhl-Mortensen L, Galparsoro I, Vega Fernández T, Johnson K, D'Anna G, Badalamenti F, Garofalo G, Carlström J, Piwowarczyk J, Rabaut M, Vanaverbeke J, Schipper C, van Dalftsen J, Vassilopoulou V, Issaris Y, van Hoof L, Pecceu E, Hostens K, Pace ML, Knittweis L, Stelzenmüller V, Todorova V, Doncheva V (2017). Maritime ecosystem-based management in practice: Lessons learned from the application of a generic spatial planning framework in Europe. *Marine Policy* 75: 174-186. <http://dx.doi.org/10.1016/j.marpol.2016.01.024>
- Musco L, Prada F, D'Anna G, Galasso NM, Pipitone C, Vega Fernández T, Badalamenti F (2017). Turning casualty into opportunity: fragmenting dislodged colonies is effective for restoring reefs of a Mediterranean endemic coral. *Ecological Engineering* 98: 206-212. <http://dx.doi.org/10.1016/j.ecoleng.2016.10.075>
- Zenone A, Badalamenti F, Giacalone VM, Musco L, Pipitone C, Vega Fernández T, D'Anna G (2016). Substrate preference and settlement behaviour of the megalopa of the invasive crab *Percnon gibbesi* (Decapoda, Percnidae) in the Mediterranean Sea. *Helgoland Marine Research* 70: 1-7. <https://doi.org/10.1186/s10152-016-0472-9>
- Di Lorenzo M, Vega Fernández T, Badalamenti F, Guidetti P, Starr RM, Giacalone VM, Di Franco A, D'Anna G (2016). Diel activity and variability in habitat use of white sea bream in a temperate Marine Protected Area. *Marine Environmental Research* 116: 1-9. <https://dx.doi.org/10.1016/j.marenvres.2016.02.007>

- Bulleri F, Badalamenti F, Iveša L, Mikac B, Musco L, Jaklin A, Rattray AJ, Vega Fernández T, Benedetti-Cecchi L (2016). The effects of an invasive seaweed on native communities vary along a gradient of land-based human impacts. *PeerJ* 4: e1795. <https://doi.org/10.7717/peerj.1795>
- Musco L, Pipitone C, Agnetta D, Alagna A, D'Anna G, Di Stefano G, Giacalone VM, Gristina M, Prada F, Vega Fernández T, Badalamenti F (2016). Distribuzione della madrepora arancione *Astroides calycularis* lungo le coste italiane. *Biologia Marina Mediterranea* 23: 204-206.
- D'Anna G, Vega Fernández T, Pipitone C, Garofalo G, Badalamenti F (2016). Governance analysis in the Egadi Islands Marine Protected Area: A Mediterranean case study. *Marine Policy* 71: 301-309. <https://doi.org/10.1016/j.marpol.2015.12.009>
- Alagna A, Vega Fernandez T, D'Anna G, Magliola C, Mazzola S, Badalamenti F (2015). Assessing *Posidonia oceanica* seedling substrate preference: An experimental determination of seedling anchorage success in rocky vs. sandy substrates. *PLoS ONE* 10: e0125321. <http://dx.doi.org/10.1371/journal.pone.0125321>
- Stelzenmüller V, Vega Fernández T, Cronin K, Röckmann C, Pantazi M, Vanaverbeke J, Stamford T, Hostens K, Pececu E, Degraer S, Buhl-Mortensen L, Carlström J, Galparsoro I, Johnson K, Piwowarczy J, Vassilopoulou V, Jak R, Pace ML, van Hoof L (2015). Assessing uncertainty associated with the monitoring and evaluation of spatially managed areas. *Marine Policy* 51: 151-162. <http://dx.doi.org/10.1016/j.marpol.2014.08.001>
- Zenone A, Badalamenti F, Carta G, Di Stefano G, Frongia C, Giacalone VM, Muntoni M, Murenu M, Pipitone C, Vega Fernández T, D'Anna G (2015). Catture di *Percnon gibesi* (H. Milne Edwards, 1853) con trappole di luce nella Sicilia Nord-Occidentale. *Biologia Marina Mediterranea* 22: 117-118.
- Iaciofano D, Musco L, Vega Fernández T, Lo Brutto S (2015). Crostacei anfipodi associati a reef di *Sabellaria alveolata* (L.) (Annelida) dello Stretto di Sicilia (Mar Mediterraneo). *Biologia Marina Mediterranea* 22: 95-96.
- Musco L, Andaloro F, D'Anna G, Giangrande A, Lo Brutto S, Mikac B, Mirto S, Pipitone C, Scuderi D, Vega Fernández T, Badalamenti F (2015). Impatto di *Caulerpa taxifolia* var. *distichophylla* su macro- e meiofauna associate a *Posidonia oceanica* (Impact of *Caulerpa taxifolia* var. *distichophylla* on macro- and meiofauna associated with *Posidonia oceanica*). *Biologia Marina Mediterranea* 22: 136-137.
- D'Anna G, Pipitone C, Vega Fernández T, Garofalo G, Badalamenti F (2015). Stakeholder perspectives about the governance of the Egadi Islands Marine Protected Area (W Sicily). *Biologia Marina Mediterranea* 22: 38-39.
- Pipitone C, Badalamenti F, Vega Fernandez T, D'Anna (2014). Spatial management of fisheries in the Mediterranean Sea: Problematic issues and a few success histories. In: Magnus LJ, Sandell J (eds.) *Advances in Marine Biology* 69: 371-402. <http://dx.doi.org/10.1016/B978-0-12-800214-8.00010-4>
- Musco L, Andaloro F, Mikac B, Mirto S, Vega Fernández T, Badalamenti F (2014). Concern about the spread of the invader seaweed *Caulerpa taxifolia* var. *distichophylla* (Chlorophyta: Caulerpales)

towards the West Mediterranean. *Mediterranean Marine Science* 15: 532-538.
<http://dx.doi.org/10.12681/mms.742>

- Alagna A, Vega Fernández T, Terlizzi A, Badalamenti F (2013). Influence of microhabitat on seedling survival and growth of the Mediterranean seagrass *Posidonia oceanica* (L.) Delile. *Estuarine, Coastal and Shelf Science* 119: 119-125. <http://dx.doi.org/10.1016/j.ecss.2013.01.009>
- Stelzenmüller V, Breen P, Stamford T, Thomsen F, Badalamenti F, Borja A, Buhl-Mortensen L, Carlström J, D'Anna G, Dankers N, Degraer S, Dujin M, Fiorentino F, Galparsoro I, Gristina M, Johnson K, Jones PJS, Katsanevakis S, Knittweis L, Kyriazi Z, Pipitone C, Piwowarczyk J, Rabaut M, Sørensen TK, van Dalfsen J, Vassilopoulou V, Vega Fernández T, Vincx M, Vöge S, Weber A, Wijkmark N, Jak R, Qiu W, ter Hofstede R (2013). Monitoring and evaluation of spatially managed areas: A generic framework for implementation of ecosystem based marine management and its application. *Marine Policy* 37: 149-164. <http://dx.doi.org/10.1016/j.marpol.2012.04.012>
- D'Anna G, Giacalone VM, Vega Fernández T, Vaccaro MA, Pipitone C, Mirto S, Mazzola S, Badalamenti F (2012). Effects of predator and shelter conditioning on hatchery-reared white seabream *Diplodus sargus* (L., 1758) released at sea. *Aquaculture* 356–357: 91–97. <http://dx.doi.org/10.1016/j.aquaculture.2012.05.032>
- Salomidi M, Katsanevakis A, Borja A, Braeckman U, Damalas D, Galparsoro I, Mifsud R, Mirto S, Pascual M, Pipitone C, Rabaut M, Todorova V, Vassilopoulou V, Vega Fernández T (2012). Assessment of goods and services, vulnerability, and conservation status of European seabed biotopes: A stepping stone towards eco system-based marine spatial management. *Mediterranean Marine Science* 13: 49-88. <http://dx.doi.org/10.12681/mms.23>
- González-Wangüemert M, Vega Fernández T, Pérez-Ruzafa A, Giacalone M, D'Anna G, Badalamenti F (2012). Genetic considerations on the introduction of farmed fish in marine protected areas: the case of study of white seabream restocking in the Gulf of Castellammare (Southern Tyrrhenian Sea). *Journal of Sea Research* 68: 41-48. <http://dx.doi.org/10.1016/j.seares.2011.12.005>
- Salomidi M, Katsanevakis S, Borja A, Braeckman U, Damalas D, Galparsoro I, Mifsud R, Mirto S, Pascual M, Pipitone C, Rabaut M, Todorova V, Vassilopoulou V, Vega Fernández T (2012). Goods, services and sensitivity of European marine biotopes: building on the EUNIS database with a view to facilitating marine spatial management. *Revista de Investigación Marina* 19: 66-67.
- Katsanevakis S, Stelzenmüller V, South A, Sørensen TK, Jones PJS, Kerr S, Badalamenti F, Anagnostou C, Breen P, Chust G, D'Anna G, Duijn M, Filatova T, Fiorentino F, Hulsman H, Johnson K, Karageorgis AP, Kroencke I, Mirto S, Pipitone C, Portelli S, Qiu W, Reiss H, Sakellariou D, Salomidi M, van Hoof L, Vassilopoulou V, Vega Fernández T, Vöge S, Weber A, Zenetos A, ter Hofstede R (2011). Ecosystem-based marine spatial management: a review of concepts, policies, approaches, and critical issues. *Ocean and Coastal Management* 54: 807-820. <http://dx.doi.org/10.1016/j.ocecoaman.2011.09.002>
- Bonaviri C, Vega Fernández T, Fanelli G, Badalamenti F, Gianguzza P (2011). Leading role of the sea urchin *Arbacia lixula* in maintaining the barren state in south-western Mediterranean. *Marine Biology*, 158: 2505-2513. <http://dx.doi.org/10.1007/s00227-011-1751-2>

- Visconti V, Giacalone VM, Badalamenti F, Di Stefano G, Pipitone C, Sacco F, Vega Fernández T, D'Anna G (2011). Attività giornaliera e home range del sarago maggiore *Diplodus sargus sargus* (Linnaeus, 1758) nel Golfo di Castellammare (Sicilia NO). *Biologia Marina Mediterranea* 18: 326-327.
- Sacco F, Giacalone VM, Badalamenti F, Coppola M, Di Stefano G, Pipitone C, Vega Fernández T, Visconti V, D'Anna G (2011) Studio degli spostamenti riproduttivi del sarago maggiore, *Diplodus sargus sargus* (Linnaeus, 1758) nel Golfo di Castellammare (Sicilia NO). *Biologia Marina Mediterranea* 18: 362-363.
- Pipitone C, Vega Fernández T, Badalamenti F, D'Anna G, Fiorentino F, Garofalo G, Gristina M, Knittweis L, Mifsud R, Mirto S, Pace ML (2011). MESMA: Un progetto europeo per la valutazione delle aree spazialmente gestite. Il caso dello Stretto di Sicilia. *Biologia Marina Mediterranea* 18: 56-57.
- Gianguzza P, Bonaviri C, Milisenda G, Barcellona A, Vega Fernández T, Badalamenti F (2010). Macroalgal assemblage type affects predation pressure on sea urchins by altering adhesion strength. *Marine Environmental Research* 70: 82-86. <http://dx.doi.org/10.1016/j.marenvres.2010.03.006>
- Luna-Pérez B, Valle-Pérez C, Vega Fernández T, Sánchez-Lizaso JL, Ramos-Esplà A (2010). *Halocynthia papillosa* (Linnaeus, 1767) as an indicator of SCUBA diving impact. *Ecological Indicators* 10: 1017-1024. <http://dx.doi.org/10.1016/j.ecolind.2010.02.010>
- Vega Fernández T, D'Anna G, Badalamenti F, Pérez-Ruzafa A (2009). Effect of simulated macroalgae on the fish assemblage associated with a temperate reef system. *Journal of Experimental Marine Biology and Ecology* 376: 7-16. <http://dx.doi.org/10.1016/j.jembe.2009.05.012>
- Bonaviri C, Vega Fernández T, Badalamenti F, Gianguzza P, Di Lorenzo M, Riggio S (2009). Relative role of fish vs. starfish predation in controlling sea urchin populations in Mediterranean rocky shores. *Marine Ecology Progress Series* 382: 129-138. <http://dx.doi.org/10.3354/meps07976>
- Visconti V, Giacalone VM, Vega Fernández T, Gristina M, Pipitone C, D'Anna G, Badalamenti F (2009). Applicazione di un sistema telemetrico-ultrasonico per il monitoraggio degli spostamenti dell'aragosta *Palinurus elephas* (Fabricius, 1787) nell'AMP di Capo Gallo e Isola delle Femmine (Sicilia N-O). *Biologia Marina Mediterranea* 16: 326-327.