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Posizione lavorativa attuale:

Professore Ordinario (SSD BIO/05 - Zoologia).
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Formazione:

Laurea in Scienze Biologiche (Università di Napoli, Tesi in Biologia Marina)

Dottorato di Ricerca in Ecologia Fondamentale (Università di Lecce, Tesi in Ecologia marina)

Biosketch:

Antonio Terlizzi, nato a Napoli il 31/03/1968. Laureato con lode in Scienze Biologiche con tesi sperimentale in Biologia Marina presso l'Università di Napoli 'Federico II'. Dottore di Ricerca in Ecologia Fondamentale. Professore Ordinario (SSD BIO/05). Responsabile del Laboratorio di Zoologia e Biologia Dipartimento di Scienze della Vita (DSV) dell'Università degli Studi di Trieste. Ricercatore associato presso la Stazione Zoologica *Anton Dohrn* di Napoli. Ha svolto precedentemente la sua attività di ricerca presso l'Istituto per la Corrosione Marina dei Metalli del CNR di Genova (come borsista) e l'Università del Salento di Lecce (come assegnista, ricercatore dal 2001 e Professore Associato dal 2010). La sua attività di ricerca si focalizza sui sistemi bentonici di substrato duro (naturali ed artificiali) e su quelli a fanerogame marine. In particolare, si occupa delle modalità di distribuzione spazio-temporale di popolamenti bentonici associati a tali sistemi anche in relazione ad impatti antropici, interventi di mitigazione, istituzione di Aree Marine Protette.

Divemaster, Agonista FIPSAS, Istruttore FIPSAS Pesca in Apnea, in possesso di certificazione Europea di Sommozzatore Scientifico Avanzato (*Advanced European Scientific Diver - AESD*), ha al suo attivo oltre 500 immersioni subacquee per campionamenti a scopi scientifici e ha partecipato a numerose campagne di campionamento in Mediterraneo, Cile, Nuova Zelanda, Singapore, California.

Ha partecipato e/o coordinato numerosi programmi di ricerca in collaborazione con Enti ed Istituti di ricerca nazionali ed esteri. Collabora, in qualità di revisore, con 30

riviste internazionali con fattore di impatto ed è *Associate Editor* dell'*European Zoological Journal* (già *Italian Journal of Zoology*). Svolge regolarmente attività di revisione di progetti di rilevanza nazionale (es. PRIN, FIRB) ed internazionale (es. CNRS, Francia; FCT, Portogallo; UEFISCDI, Romania; A*STAR, Singapore).

È stato Membro eletto della Commissione Didattica e della Commissione Fauna dell'UZI, Unione Zoologi Italiani e del Comitato Benthos nella SIBM (Società Italiana di Biologia Marina). È Membro del Direttivo della SIBM (Società Italiana di Biologia Marina) e dell'AIOSS (Associazione Italiana Operatori Scientifico Subacquee).

È Rappresentante italiano per conto del CoNISMa dell'EMBRC (European Marine Biological Resource Centre (<http://www.embrc.eu>)) e dal 2005 è membro della Commissione Scientifica della Federazione Italiana Pesca Sportiva ed Attività Subacquee (FIPSAS) in qualità di Biologo marino.

Nel 2015 è stato selezionato dall'ANVUR come membro del Gruppo di Esperti Valutazione (GEV 5 - Biologia) per la VQR 2011-2014.

Elenco delle pubblicazioni più significative

Non considerando gli *abstract* di presentazione a congressi/meeting/workshop e 14 rapporti tecnici, è autore/coautore di **150** pubblicazioni, di cui **28** lavori su riviste con referee senza fattore di impatto, **11** capitoli di libro, **1** monografia, **106** lavori su riviste internazionali ISI con fattore di impatto e un **impact factor totale di 273,65**. Su *Google Scholar* (<http://scholar.google.it/citations>) risultano un totale **4575** citazioni di lavori in cui è autore (**2465** dal 2013), con un ***h-index* = 40**.

Capitoli di libri nazionali ed internazionali

1. Frascchetti S, **Terlizzi A** (2001). *Analisi dei dati ecologici e impatto ambientale*. In: Danovaro, R. (ed.) *Recupero ambientale Tecnologie, Bioremediation e Biotecnologie* UTET, 120-133
2. Benedetti-Cecchi L, Frascchetti S, **Terlizzi A** (2003). *Analisi sperimentale di ipotesi*. In: Cicogna F, Bianchi CN, Ferrari G, Forti P (eds) *Grotte Marine: Cinquant'anni di ricerche in Italia*. Ministero dell'Ambiente e della Tutela del Territorio, 347-351
3. Bianchi CN, Pronzato R, Cattaneo-Vietti R, Benedetti-Cecchi L, Morri C, Pansini M, Chemello R, Milazzo M, Frascchetti S, **Terlizzi A**, Peirano A, Salvati E, Benzoni F, Calcinai B, Cerrano C, Bavestrello G (2003). *I fondi duri*. In: Gambi MC, Dappiano M (eds), *Manuale di metodologie di campionamento e studio del benthos marino Mediterraneo. Biologia Marina Mediterranea* 10 (Suppl. 1): 199-232
4. Benedetti-Cecchi L, Airoidi L, Frascchetti S, **Terlizzi A** (2003). *Metodi sperimentali per la valutazione di influenze antropiche su popolamenti ed ambienti marini costieri*. In: Gambi MC, Dappiano M (eds), *Manuale di metodologie di campionamento e studio del benthos marino Mediterraneo. Biologia Marina Mediterranea* 10 (Suppl. 1): 485-508
5. Bianchi CN, Pronzato R, Cattaneo-Vietti R, Benedetti-Cecchi L, Morri C, Pansini M, Chemello R, Milazzo M, Frascchetti S, **Terlizzi A**, Peirano A, Salvati E, Benzoni F, Calcinai B, Cerrano C, Bavestrello G (2004). *Hard bottoms*. In: Gambi

- MC, Dappiano M (eds), Mediterranean marine benthos: a manual of methods for its sampling and study. *Biologia Marina Mediterranea* 11 (Suppl. 1): 185-215
6. Benedetti-Cecchi L, Airoidi L, Fraschetti S, **Terlizzi A** (2004). *Experimental methods for the assessment of anthropogenic impact on assemblages and coastal marine environments*. In: Gambi MC, Dappiano M (eds), Mediterranean marine benthos: a manual of methods for its sampling and study. *Biologia Marina Mediterranea* 11 (Suppl. 1): 457-479
 7. **Terlizzi A**, Schiel DR (2009). Diversity patterns along environmental gradients. In: Wahl M (ed). *Marine Hard Bottom Communities*. Springer Verlag, Berlin Heidelberg, Germany. pp. 101-112.
 8. **Terlizzi A**, Faimali M (2010). *Biofouling Processes in Industry - Fouling on artificial substrata*. In: Dürr S, Thomason JC (eds). *Biofouling*. Blackwell Publishing. pp. 170-184.
 9. Butler AJ, Canning-Clode J, Coutts ADM, Cowie PR, Dobretsov S, Dürr S, Faimali M, Lewis JA, Page HM, Pratten J, Ready D, Rittschof D, Spratt DA, **Terlizzi A**, Thomason JC (2010). *Techniques for the quantification of biofouling*. In: Dürr S, Thomason JC (eds). *Biofouling*. Blackwell Publishing. pp. 319-332.
 10. **Terlizzi A**. Tedesco P, Patarnello P (2012) *Spread of Pathogens from Marine Cage Aquaculture - A Potential Threat for Wild Fish Assemblages Under Protection Regimes?* In Carvalho ED, David GS, Silva RJ (eds.) *Health and Environment in Aquaculture*. InTech: 403-414 ISBN: 978-953-51-0497-1

Monografie

1. Scuderi D, **Terlizzi A** (2012) *Manuale di Malacologia dell'Alto Jonio*. Edizioni Grifo, 188 pp, ISBN 9788896801956

Lavori su riviste internazionali con referee con *Impact Factor* (indicizzate *ISI Web of Knowledge*)

1. **Terlizzi A**, Geraci S, Minganti V (1998). Tributyltin (TBT) pollution in the coastal waters of Italy as indicated by Imposex in *Hexaplex trunculus* (Gastropoda, Muricidae). *Marine Pollution Bulletin* 36: 749-752
2. **Terlizzi A**, Geraci S, Gibbs PE (1999) Tributyltin (TBT)-induced imposex in the Neogastropod *Hexaplex trunculus* in Italian coastal waters: morphological aspects and ecological implications. *The Italian Journal of Zoology* 66: 141-146
3. **Terlizzi A**, Conte E, Giangrande A (2000). Settlement pattern of two Spirorbidae (Polychaeta) species in the harbour of Ischia (Gulf of Naples, Mediterranean Sea). *The Italian Journal of Zoology* 67: 303-306
4. **Terlizzi A**, Conte E, Zupo V, Mazzella L (2000). Biological succession on silicone fouling-release surfaces: long-term exposure tests in the harbour of Ischia, Italy. *Biofouling* 15: 327-342
5. Swain G, Anil AC, Baier RE, Chia F, Conte E, Cook A, Hadfield M, Haslbeck E, Holm E, Kavanagh C, Kohrs D, Kovach B, Lee C, Mazzella L, Meyer AE, Qian PY, Sawant SS, Schultz M, Sigurdsson J, Smith C, Soo L, **Terlizzi A**, Wagh AB, Zimmerman R, Zupo V (2000). Biofouling and Barnacle Adhesion Data for Fouling-Release Coatings Subjected to Static Immersion at Seven Marine Sites. *Biofouling* 16: 331-344

6. Fraschetti S, Bianchi CN, **Terlizzi A**, Fanelli G, Morri C, Boero F (2001). Spatial variability and human disturbance in shallow subtidal hard substrate assemblages: a regional approach. *Marine Ecology-Progress Series* 212: 1-12
7. **Terlizzi A**, Fraschetti S, Gianguzza P, Faimali M, Boero F (2001). Environmental impact of antifouling technologies: state of art and perspectives. *Aquatic Conservation: Marine and Freshwater Ecosystems* 11: 311-317
8. Guidetti P, Fanelli G, Fraschetti S, **Terlizzi A**, Boero F (2002). Coastal fish indicate human-induced changes in the Mediterranean littoral. *Marine Environmental Research* 53: 77-94
9. **Terlizzi A**, Fraschetti S, Guidetti P, Boero F (2002). The effects of sewage discharge on shallow hard bottom sessile assemblage. *Marine Pollution Bulletin* 44: 542-548
10. Fraschetti S, Giangrande A, **Terlizzi A**, Miglietta MP, Della Tommasa L, Boero F (2002). Spatio-temporal variation of hydroids and polychaetes associated to *Cystoseira amentacea* (Fucales, Phaeophyceae). *Marine Biology* 140: 949-957
11. Giangrande A, Fraschetti S, **Terlizzi A** (2002). Local recruitment differences in *Platynereis dumerilii* (Polychaeta: Nereididae) and their consequences for population structure. *The Italian Journal of Zoology* 69: 133-139
12. Russo GF, Fraschetti S, **Terlizzi A** (2002). Population ecology and production of *Bittium latreillii* (Gastropoda, Cerithidae) in a *Posidonia oceanica* seagrass bed. *The Italian Journal of Zoology* 69: 215-222
13. Fraschetti S, **Terlizzi A**, Micheli F, Benedetti-Cecchi L, Boero F (2002). Marine Protected Areas in the Mediterranean: objectives effectiveness and monitoring. *Marine Ecology* 23 (suppl. 1): 190-200
14. Guidetti P, **Terlizzi A**, Fraschetti S, Boero F (2002). Spatio-temporal variability in fish assemblages associated with coralligenous formations in south-eastern Apulia (SE Italy). *The Italian Journal of Zoology* 69: 325-331
15. **Terlizzi A**, Scuderi D, Fraschetti S, Guidetti P, Boero F (2003). Molluscs on subtidal cliffs: patterns of spatial distribution. *Journal of Marine Biological Association of the United Kingdom* 83: 165-172
16. **Terlizzi A**, Bevilacqua S, Fraschetti S, Boero F (2003). Taxonomic sufficiency and the increasing insufficiency of taxonomic expertise. *Marine Pollution Bulletin* 46: 556-560
17. Fraschetti S, Giangrande A, **Terlizzi A**, Boero F (2003). Pre- and post-settlement events in hard- and soft-bottom community dynamics. *Oceanologica Acta* 25: 285-296
18. Guidetti P, **Terlizzi A**, Fraschetti S, Boero F (2003). Changes in Mediterranean rocky-reef fish assemblages exposed to sewage pollution. *Marine Ecology-Progress Series* 253: 269-278
19. Giangrande A, Delos AL, Fraschetti S, Musco L, Licciano M, **Terlizzi A** (2003). Polychaete assemblages of rocky shore along the South Adriatic coast (Mediterranean Sea): pattern of spatial distribution. *Marine Biology* 143: 1109-1116
20. Guidetti P, Fraschetti S, **Terlizzi A**, Boero F (2003). Distribution patterns of sea urchin and barren in shallow Mediterranean rocky reefs impacted by the illegal fishery of the rock-boring mollusc *Lithophaga lithophaga*. *Marine Biology* 143: 1135-1142
21. **Terlizzi A**, Delos AL, Garaventa F, Faimali M, Geraci S (2004). Limited effectiveness of Marine Protected Areas: imposex in *Hexaplex trunculus*

- (Gastropoda, Muricidae) populations from Italian marine reserves. *Marine Pollution Bulletin* 48: 186-190
22. Guidetti P, **Terlizzi A**, Boero F (2004). Effects of the edible sea urchin, *Paracentrotus lividus*, fishery along the Apulian rocky coast (SE Italy, Mediterranean Sea). *Fisheries Research* 66: 287-297
 23. Boero F, Belmonte G, Bussotti S, Fanelli G, Fraschetti S, Giangrande A, Gravili C, Guidetti P, Pati A, Piraino S, Rubino F, Saracino OD, Schmich J, **Terlizzi A**, Geraci S (2004). From biodiversity and ecosystem functioning to the roots of ecological complexity. *Ecological Complexity* 2: 101-109
 24. Faimali M, Garaventa F, **Terlizzi A**, Chiantore M, Cattaneo-Vietti R (2004). The interplay of substrate nature and biofilm formation in regulating *Balanus amphitrite* Darwin, 1854 larval settlement. *Journal of Experimental Marine Biology and Ecology* 306: 37-50
 25. Guidetti P, Fraschetti S, **Terlizzi A**, Boero F (2004). Desertification caused by *Lithophaga lithophaga* (Mollusca) fishery along Apulian rocky coasts (SE Italy, Mediterranean Sea): effects on littoral fish assemblages. *Conservation Biology* 18: 1417-1423
 26. Fraschetti S, **Terlizzi A**, Bussotti S, Guarnieri G, D'Ambrosio P, Boero F (2005). Conservation of Mediterranean seascapes: analyses of existing protection schemes. *Marine Environmental Research* 59: 309-332
 27. **Terlizzi A**, Benedetti-Cecchi L, Bevilacqua S, Fraschetti S, Guidetti P, Anderson MJ (2005). Multivariate and univariate asymmetrical analyses in environmental impact assessment: a case study of Mediterranean subtidal sessile assemblages. *Marine Ecology-Progress Series* 289: 27-42
 28. Fraschetti S, **Terlizzi A**, Benedetti-Cecchi L (2005). Patterns of distribution of rocky marine assemblages: evidence of relevant scales of variation. *Marine Ecology-Progress Series* 296: 13-29
 29. **Terlizzi A**, Scuderi D, Fraschetti S, Anderson MJ (2005). Quantifying effects of pollution on biodiversity: a case study of highly-diverse molluscan assemblages in the Mediterranean. *Marine Biology* 148: 293-305
 30. Garaventa F, Pellizzato F, Faimali M, **Terlizzi A**, Medakovic D, Geraci S, Pavoni B (2006). Imposex in *Hexaplex trunculus* at some sites of the north Mediterranean coast as a baseline for future evaluation of the effectiveness of the total ban of organotin based antifouling paints. *Hydrobiologia* 555: 281-287
 31. Fraschetti S, Gambi C, Giangrande A, Musco L, **Terlizzi A**, Danovaro R (2006). Structural and functional response of meiofauna rocky assemblages to sewage pollution. *Marine Pollution Bulletin* 52: 540-548
 32. Garaventa F, Faimali M, **Terlizzi A** (2006). Imposex in Pre-pollution times. Is TBT to blame? *Marine Pollution Bulletin* 52: 703-704
 33. Bevilacqua S, **Terlizzi A**, Fraschetti S, Russo GF, Boero F (2006). Mitigating human disturbance: can protection influence trajectories of recovery in benthic assemblages? *Journal of Animal Ecology* 75: 908-920
 34. Fraschetti S, **Terlizzi A**, Bevilacqua B, Boero F (2006). The distribution of hydroids (Cnidaria, Hydrozoa) from micro- to macro-scale: Spatial patterns on habitat-forming algae. *Journal of Experimental Marine Biology and Ecology* 339: 148-158
 35. Bussotti S, **Terlizzi A**, Fraschetti S, Belmonte G, Boero F (2006). Spatial and temporal variability of sessile benthos in shallow Mediterranean marine caves. *Marine-Ecology Progress Series* 325: 109-119

36. **Terlizzi A**, Anderson MJ, Frascchetti S, Benedetti-Cecchi L (2007). Scales of spatial variation in Mediterranean subtidal sessile assemblages at different depths. *Marine-Ecology Progress Series* 332: 25-39
37. Cannicci S, Gomei M, Dahdouh-Guebas F, Rorandelli R, **Terlizzi A** (2007). Influence of seasonal abundance and food quality on the feeding habits of an opportunistic feeder, the intertidal crab *Pachygrapsus marmoratus*. *Marine Biology* 151: 1331-1342
38. Garaventa F, Centanni E, Pellizzato F, Faimali M, **Terlizzi A**, Pavoni B (2007). Imposex and accumulation of organotin compounds in populations of *Hexaplex trunculus* (Gastropoda, Muricidae) from the Lagoon of Venice (Italy) and Istrian Coast (Croatia). *Marine Pollution Bulletin* 54: 614-621
39. Rossi F, Forster R, Montserrat F, Ponti M, **Terlizzi A**, Ysebaert T, Middelburg JJ (2007). Human trampling as short-term disturbance on intertidal mudflats: effects on macrofauna biodiversity and population dynamics of bivalves. *Marine Biology* 151: 2077-2090
40. Di Carlo G, Badalamenti F, **Terlizzi A** (2007). Recruitment of *Posidonia oceanica* on rubble mounds: substratum effects on biomass partitioning and leaf morphology. *Aquatic Botany* 87: 97-103
41. Denitto F, **Terlizzi A**, Belmonte G (2007). Settlement and primary succession in a shallow submarine cave: spatial and temporal benthic assemblage distinctness. *Marine Ecology* 28 (suppl. 1): 35-46. doi:10.1111/j.1439-0485.2007.00172.x
42. Licciano M, **Terlizzi A**, Giangrande A, Cavallo RA, Stabili L (2007). Filter-feeder macroinvertebrates as key players in bacterioplankton biodiversity control: a case of study with *Sabella spallanzanii* (Polychaeta: Sabellidae). *Marine Environmental Research* 64: 504-513. DOI 10.1016/j.marenvres.2007.04.004
43. **Terlizzi A**, Bevilacqua S, Scuderi D, Fiorentino D, Guarneri G, Giangrande A, Licciano M, Felling S, Frascchetti S (2008). Effects of offshore platforms on soft-bottom macro-benthic assemblages: a case study in a Mediterranean gas field. *Marine Pollution Bulletin* 56: 1303-1309. DOI 10.1016/j.marpolbul.2008.04.024
44. Frascchetti S, **Terlizzi A**, Boero F (2008). How many habitats are there in the sea (and where)? *Journal of Experimental Marine Biology and Ecology* 366: 109-115. DOI 10.1016/j.jembe.2008.07.015
45. Garaventa F, Centanni E, Fiorini S, Noventa S, **Terlizzi A**, Faimali M, Pavoni B (2008). New implications in the use of imposex as a suitable tool for Tributyltin contamination: experimental induction in *Hexaplex trunculus* (Gastropoda, Muricidae) with different stressors. *Cell Biology and Toxicology* 24: 563-571. DOI 10.1007/s10565-008-9065-y
46. Frascchetti S, D'Ambrosio P, Micheli F, Pizzolante F, Bussotti S, **Terlizzi A** (2009). Design of Marine Protected Areas in a human-dominated seascape. *Marine Ecology-Progress Series* 375: 13-24. DOI: 10.3354/meps07781
47. **Terlizzi A**, Anderson MJ, Bevilacqua S, Frascchetti S, Włodarska-Kowalczyk M, Ellingsen KE (2009). Beta diversity and taxonomic sufficiency: do higher-level taxa reflect heterogeneity in species composition? *Diversity and Distributions* 15: 450-458. DOI: 10.1111/j.1472-4642.2008.00551.x
48. Bevilacqua S, Frascchetti S, **Terlizzi A**, Boero F (2009). The use of taxonomic distinctness indices in assessing patterns of biodiversity in modular organisms. *Marine Ecology* 30: 151-163. DOI: 10.1111/j.1439-0485.2008.00270.x
49. Musco L, **Terlizzi A**, Licciano M, Giangrande A (2009). Taxonomic structure and the effectiveness of surrogates in environmental monitoring: a lesson from polychaetes. *Marine Ecology-Progress Series* 383: 199-210. DOI:

10.3354/meps07989

50. Guarnieri G, **Terlizzi A**, Bevilacqua S, Fraschetti S (2009). Local vs. Regional effects of substratum on early colonization stages of sessile assemblages. *Biofouling* 7: 593-604. DOI: 10.1080/08927010903013656
51. Bevilacqua S, Fraschetti S, Musco L, **Terlizzi A** (2009). Taxonomic sufficiency in the detection of natural and human-induced changes in marine assemblages: a comparison of habitats and taxonomic groups. *Marine Pollution Bulletin* 58: 1850-1859. DOI:10.1016/j.marpolbul.2009.07.018
52. Vandepitte L, Vanhoorne B, Kraberg A, Anisimova N, Antoniadou C, Araújo R, Bartsch I, Beker B, Benedetti-Cecchi L, Bertocci I, Cochrane S, Cooper K, Craeymeersch J, Christou E, Crisp DJ, Dahle S, de Boissier M, de Kluijver M, Denisenko S, De Vito D, Duineveld G, Escaravage V, Fleischer D, Fraschetti S, Giangrande A, Heip C, Kummel H, Janas U, Karez R, Kedra M, Kingston P, Kuhlenskamp R, Libes M, Martens P, Mees J, Mieszkowska N, Mudrak S, Munda I, Orfanidis S, Orlando-Bonaca M, Palerud R, Rachor E, Reichert K, Rumohr H, Schiedek D, Schubert P, Sijm WCH, Sousa-Pinto I, Southward AJ, **Terlizzi A**, Tsiaga E, van Beusekom JEE, Vanden Berghe E, Warzocha J, Wasmund N, Weslawski JM, Widdicombe C, Wlodarska-Kowalczyk M, Zettler ML (2010). Data integration for European marine biodiversity research: creating a database on benthos and plankton to study large-scale patterns and long-term changes. *Hydrobiologia* 644: 1-13. DOI 10.1007/s10750-010-0108-z
53. Gravili C, Belmonte G, Cecere E, Denitto F, Giangrande A, Guidetti P, Longo C, Mastrototaro F, Moscatello S, Petrocelli A, Piraino S, **Terlizzi A**, Boero F (2010) Non-indigenous species (NIS) along the Apulian coasts, Italy. *Chemistry and Ecology* 26 (suppl.): 121-142. DOI: 10.1080/02757541003627654
54. **Terlizzi A**, De Falco G, Felling S, Fiorentino D, Gambi MC, Cancemi G (2010) Effects of marine cage aquaculture on macrofauna assemblages associated to *Posidonia oceanica* meadows. *Italian Journal of Zoology* 77: 362-371. DOI: 10.1080/11250000903464075
55. Bevilacqua S, Fraschetti S, Musco L, Guarnieri G, **Terlizzi A** (2011). Low sensitiveness of taxonomic distinctness indices to human impacts: evidences across marine benthic organisms and habitat types. *Ecological Indicators* 11: 448-455. DOI: 10.1016/j.ecolind.2010.06.016
56. Musco L, Mikac B, Tataranni M, Giangrande A, **Terlizzi A** (2011). The use of coarser taxonomy in the detection of long-term changes in polychaete assemblages. *Marine Environmental Research* 71: 131-138. DOI: 10.1016/j.marenvres.2010.12.004
57. Fraschetti S, **Terlizzi A**, Guarnieri G, Pizzolante F, D'Ambrosio P, Maiorano P, Beqiraj S, Boero F (2011). Effects of unplanned development on marine biodiversity: a lesson from Albania (Central Mediterranean Sea). *Journal of Coastal Research* 58 (SI): 106-115. DOI: 10.2112/58-58-0010.1
58. Badalamenti F, Alagna A, D'Anna G, **Terlizzi A**, Di Carlo G (2011). The impact of dredge-fill on *Posidonia oceanica* seagrass meadows: regression and pattern of recovery. *Marine Pollution Bulletin* 62: 483-489. DOI: 10.1016/j.marpolbul.2010.12.011
59. **Terlizzi A**, Felling S, Lionetto MG, Caricato R, Perfetti V, Cutignano A, Mollo E (2011). Detrimental physiological effects of the invasive alga *Caulerpa racemosa* (Forsskål) J.Agardh on the Mediterranean white seabream (*Diplodus sargus*). *Aquatic Biology* 12: 109-117. DOI: 10.3354/ab00330

60. Fraschetti S, Guarneri G, Bevilacqua S, **Terlizzi A**, Claudet J, Russo GF, Boero F (2011). Conservation of Mediterranean seascapes and the biodiversity countdowns: what information do we really need? *Aquatic Conservation-Marine and Freshwater Ecosystems* 21: 299-306. DOI: 10.1002/aqc.1185
61. Mikac B, Musco L, Đakovac T, Giangrande A, Terlizzi A (2011) Long term changes in North Adriatic soft-bottom polychaete assemblages following a dystrophic crisis. *Italian Journal of Zoology* 78(S1) 304-316. DOI: 10.1080/11250003.2011.581043
62. Bevilacqua S, Plicanti A, Sandulli R, **Terlizzi A** (2012). Measuring more of β -diversity: quantifying patterns of variation in assemblage heterogeneity. An insight from marine benthic assemblages. *Ecological Indicators* 18: 140-148. DOI: 10.1016/j.ecolind.2011.11.006
63. Bevilacqua S, **Terlizzi A**, Claudet J, Fraschetti S, Boero F (2012). Taxonomic relatedness does not matter for species surrogacy in the assessment of community responses to environmental drivers. *Journal of Applied Ecology* 49: 357-366. DOI: 10.1111/j.1365-2664.2011.02096.x
64. Guarneri G, Terlizzi A, Bevilacqua S, Fraschetti S (2012). Increasing heterogeneity of sensitive assemblages as a consequence of human impact in submarine caves. *Marine Biology* 159: 1155-1164. DOI 10.1007/s00227-012-1895-8
65. Felling S, Caricato R, Cutignano A, Gorbi S, Lionetto MG, Mollo E, Regoli F, **Terlizzi A** (2012). Subtle effects of biological invasions: Cellular and physiological responses of fish eating the exotic pest *Caulerpa racemosa*. *Plos One* 7(6): e38763. DOI:10.1371/journal.pone.0038763
66. Bevilacqua S, Sandulli R, Plicanti A, **Terlizzi A** (2012). Taxonomic distinctness in Mediterranean marine nematodes and its relevance for environmental impact assessment. *Marine Pollution Bulletin* 64: 1409-1416. DOI: 10.1016/j.marpolbul.2012.04.016
67. Bustamante M, Bevilacqua S, Tajadura J, **Terlizzi A**, Saiz-Salinas JI (2012). Detecting human mitigation intervention: effects of sewage treatment upgrade on rocky macrofaunal assemblages. *Marine Environmental Research* 80: 27-37. DOI: 10.1016/j.marenvres.2012.06.007
68. Fiorentino D, Caruso T, **Terlizzi A** (2012). Spatial autocorrelation in the response of soft-bottom marine benthos to gas extraction activities: the case of amphipods in the Ionian Sea. *Marine Environmental Research* 79: 79-85. DOI: 10.1016/j.marenvres.2012.05.009
69. Fraschetti S, Bevilacqua S, Guarneri G, **Terlizzi A** (2012). Remote marine reserves: the risk of being small, isolated and without regulation. *Marine Ecology-Progress Series* 466: 21-34. DOI: 10.3354/meps09937
70. Bulleri F, Benedetti-Cecchi L, Cusson M, Maggi E, Arenas F, Aspden R, Bertocci I, Crowe TP, Davoult D, Eriksson BK, Fraschetti S, Golléty C, Griffin JN, Jenkins SR, Kotta J, Kraufvelin P, Molis M, Sousa Pinto I, **Terlizzi A**, Valdivia N, Paterson DM (2012). Temporal stability of European rocky shore assemblages: variation across a latitudinal gradient and the role of habitat-formers. *Oikos* 121: 1801-1809. DOI: 10.1111/j.1600-0706.2011.19967.x
71. Vendramin N, Patarnello P, Toffan A, Panzarin V, Appellozza E, Tedesco P, **Terlizzi A**, Terregino C, Cattoli G (2013) Viral Encephalopathy and Retinopathy in groupers (*Epinephelus* sp.) in southern Italy: a threat for wild endangered species? *BMC Veterinary Research* 9:20. DOI: 10.1186/1746-6148-9-20
72. Stabili L, **Terlizzi A**, Cavallo RA (2013). Survival rates and microbiological

accumulation in marine invertebrates subjected to sewage polluted seawaters. *Environmental Science and Pollution Research* 20: 1606-1616. DOI: 10.1007/s11356-012-1103-x

73. 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. DOI: 10.1016/j.ecss.2013.01.009
74. Bevilacqua S, Claudet J, **Terlizzi A** (2013). Best Practicable Aggregation of Species: a step forward for species surrogacy in environmental assessment and monitoring. *Ecology and Evolution* 3(11): 3780-3793. DOI: 10.1002/ece3.715.
75. Frascchetti S, Bevilacqua S, Guarnieri G, **Terlizzi A**, Boero F (2013). Protection enhances community and habitat stability: evidence from a Mediterranean Marine Protected Area. *Plos One* 8(12): e81838. DOI:10.1371/journal.pone.0081838.
76. **Terlizzi A**, Anderson MJ, Bevilacqua S, Ugland KI (2014). Species-accumulation curves and taxonomic surrogates: an integrated approach for estimation of regional species richness. *Diversity and Distributions* 20: 356-368. DOI: 10.1111/ddi.12168.
77. Gorbi S, Giuliani ME, Pittura L, d'Errico G, **Terlizzi A**, Felling S, Grauso L, Mollo E, Cutignano A, Regoli F (2014). Could molecular effects of *Caulerpa racemosa* metabolites modulate the impact on fish populations of *Diplodus sargus*? *Marine Environmental Research* 96: 2-11. DOI: 10.1016/j.marenvres.2014.01.010
78. Felling S, Mollo E, Ferramosca A, Zara V, Regoli F, Gorbi S, **Terlizzi A** (2014). Can a marine pest reduce the nutritional value of Mediterranean fish flesh? *Marine Biology* 161: 1275-1283. DOI:10.1007/s00227-014-2417-7
79. Cabral-Oliveira J, Bevilacqua S, **Terlizzi A**, Pardal MA (2014). Are the eulittoral assemblages suitable in detecting the effects of sewage discharges in Atlantic and Mediterranean coastal areas? *The Italian Journal of Zoology* 81: 584-592. DOI: 10.1080/11250003.2014.947336
80. Bevilacqua S, **Terlizzi A**, Mistri M, Munari C (2015). New frameworks for species surrogacy in monitoring highly variable coastal ecosystems: applying the BestAgg approach to Mediterranean coastal lagoons. *Ecological Indicators* 52: 207-218. DOI: 10.1016/j.ecolind.2014.12.008
81. Cusson M, Crowe TP, Araújo T, Arenas F, Aspden R, Bulleri F, Davoulte D, Dysond K, Frascchetti S, Herkül K, Hubas C, Jenkins S, Kotta J, Kraufvelin P, Migné A, Molis M, Mulholland O, Noël L M-LJ, Paterson DM, Saunders J, Somerfield PJ, Sousa-Pinto I, Spilmont N, **Terlizzi A**, Benedetti-Cecchi L. (2015). Relationships between biodiversity and the stability of marine ecosystems: Comparisons at a European scale using meta-analysis. *Journal of Sea Research* 98: 5-14. DOI: 10.1016/j.seares.2014.08.004
82. Gravili C, Bevilacqua S, **Terlizzi A**, Boero F (2015). Missing species among Mediterranean non-Siphonophoran Hydrozoa. *Biodiversity and Conservation* DOI: 10.1007/s10531-014-0853-9
83. De Pascali SA, Del Coco L, Felling S, Mollo E, **Terlizzi A**, Fanizzi FP (2015). ¹H NMR Spectroscopy and MVA Analysis of *Diplodus sargus* eating the exotic pest *Caulerpa cylindracea*. *Marine Drugs* 13: 3550-3566. DOI: 10.3390/md13063550.
84. Thiault L, Bevilacqua S, **Terlizzi A**, Claudet J (2015). Taxonomic relatedness does not reflect coherent ecological response of fish to protection. *Biological Conservation* 190 98-106 DOI: 10.1016/j.biocon.2015.06.002
85. Donnarumma L, Bruno R, **Terlizzi A**, Russo GF (2015). Population ecology of

Gibbula umbilicaris and *Gibbula ardens* (Gastropoda, Trochidae) in a *Posidonia oceanica* seagrass bed. *The Italian Journal of Zoology* DOI: 10.1080/11250003.2015.1073377

86. Corriero G, Pierri C, Accoroni S, Alabiso S, Bavestrello G, Barbone E, Bastianini M, Bazzoni AM, Bernardi Aubry F, Boero F, Buia MC, Cabrini M, Camatti E, Cardone F, Cataletto B, Cattaneo-Vietti R, Cecere E, Cibic T, Colangelo P, De Olazabal A, D'onghia G, Finotto S, Fiore N, Fornasaro D, Frascchetti S, Giangrande A, Gravili C, Longo C, Lorenti M, Lugliè A, Maiorano P, Mazzocchi MG, Mercurio M, Mastrototaro F, Mistri M, Monti M, Munari C, Musco L, Nonnis-Marzano C, Padedda BM, Patti FP, Petrocelli A, Piraino S, Portacci G, Pugnetti A, Pulina S, Romagnoli T, Rosati I, Sarno D, Satta CT, Sechi N, Schiaparelli S, Scipione B, Sion L, **Terlizzi A**, Tirelli V, Totti C, Tursi A, Ungaro N, Zingone A, Zupo V, Basset A (2016). Ecosystem vulnerability to alien and invasive species: a case study on marine habitats along the Italian coast. *Aquatic conservation: Marine and Freshwater Ecosystems* 26: 392-409. DOI: 10.1002/aqc.2550
87. Moreno-Valcárcel R, Oliva-Paterna FJ, Bevilacqua S, **Terlizzi A**, Fernández-Delgado C (2016). Long term effects of tidal restriction on fish assemblages in East Atlantic coastal marshlands. *Marine Ecology-Progress Series* 543: 209–222. DOI: 10.3354/meps11578
88. Guarnieri G, Bevilacqua S, De Leo F, Farella G, Maffia A, **Terlizzi A**, Frascchetti S (2016). The challenge of planning conservation strategies in threatened seascapes: understanding the role of fine scale assessments of community response to cumulative human pressures. *Plos One* 11(2):e0149253. DOI:10.1371/journal.pone.0149253
89. Frascchetti S, Guarnieri G, Gambi C, Bevilacqua S, **Terlizzi A**, Danovaro R (2016). Impact of offshore gas platforms on the structural and functional biodiversity of nematodes. *Marine Environmental Research* 115 (2016) 56e64 DOI: 10.1016/j.marenvres.2016.02.001
90. Bevilacqua S, **Terlizzi A** (2016). Species surrogacy in environmental impact assessment and monitoring: extending the BestAgg approach to asymmetrical designs. *Marine Ecology-Progress Series* 547: 19-32. DOI:10.3354/meps11656
91. Ferramosca A, Conte A, Guerra F, Feline S, Rimoli MG, Mollo E, Zara V, **Terlizzi A** (2016). Metabolites from invasive pests inhibit mitochondrial complex II: a potential strategy for the treatment of human ovarian carcinoma? *Biochemical and Biophysical Research Communications* 473: 1133-1138. DOI: 10.1016/j.bbrc.2016.04.028
92. Rattray A, Andrello M, Asnaghi V, Bevilacqua S, Bulleri F, Cebrian E, Chiantore M, Claudet J, Deudero S, Evans J, Frascchetti S, Guarnieri G, Mangialajo L, Schembri PJ, **Terlizzi A**, Benedetti-Cecchi L. (2016). Effects of geographic distance, water circulation and environmental conditions in shaping the biodiversity of Mediterranean rocky coasts. *Marine Ecology-Progress Series* DOI: 10.3354/meps11783
93. Mutinová PT, Neustupa J, Bevilacqua S, **Terlizzi A** (2016). Host specificity of epiphytic diatom (Bacillariophyceae) and desmid (Desmidiaceae) communities. *Aquatic Ecology* DOI: 10.1007/s10452-016-9587-y
94. Giakoumi S, Guilhaumon F, Kark S, **Terlizzi A**, Claudet J, Feline S, Cerrano C, Coll M, Danovaro R, Frascchetti S, Koutsoubas D, Ledoux JB, Mazor T, Mérigot B, Micheli F, Katsanevakis S (2016). Space invaders: biological invasions in marine conservation planning. *Diversity and Distributions* DOI:

10.1111/ddi.12491

95. Felling S, Mollo E, Cutignano A, Grauso L, Andaloro F, Castriota L, Consoli P, Falautano M, Sinopoli M, **Terlizzi A** (2017). Preliminary observations of caulerpin accumulation from the invasive *Caulerpa cylindracea* in native Mediterranean fish species. *Aquatic Biology*, DOI: 10.3354/ab00671
96. Appolloni A, Bevilacqua S, Sbrescia L, Sandulli R, **Terlizzi A**, Russo G (2017). Does full protection count for the maintenance of β -diversity: patterns in marine communities? Evidence from Mediterranean fish assemblages. *Aquatic Conservation: Marine and Freshwater Ecosystems* 27: 828-838 DOI: 10.1002/aqc.2750
97. Tedesco P, Gestal C, Begić K, Mladineo I, Castellanos-Martínez S., Catanese G, **Terlizzi A**, Fiorito G (2017) Morphological and molecular characterization of *Aggregata* spp. Frenzel 1885 (Apicomplexa: Aggregatidae) in *Octopus vulgaris* Cuvier 1797 (Mollusca: Cephalopoda) from Central Mediterranean. *Protist* DOI:10.1016/j.protis.2017.08.002
98. Magliozzi L, Almada F, Robalo J, Mollo E, Polese G, Gonçalves EJ, Felling S, **Terlizzi A**, D'Aniello B (2017) Cryptic effects of biological invasions: reduction of the aggressive behaviour of a native fish under the influence of an “invasive” biomolecule. *PLoS ONE* 12(9): e0185620 DOI: 10.1371/journal.pone.0185620
99. Bevilacqua S, Ugland K, Plicanti A, Scuderi D, **Terlizzi A** (2017) An approach based on the total-species accumulation curve and higher taxon richness to estimate realistic upper limits in regional species richness. *Ecology and Evolution* DOI: 10.1002/ece3.3570
100. Donnarumma L, Bruno R, **Terlizzi A**, Russo GF (2018) Population ecology of *Jujubinus striatus* and *Jujubinus exasperatus* (Gastropoda: Trochidae) in a *Posidonia oceanica* seagrass bed. *The European Zoological Journal* 85: 17-25 DOI: doi.org/10.1080/24750263.2017.1420828
101. Bevilacqua S, Guarnieri G, Farella G, **Terlizzi A**, Frascchetti S (2018). A regional assessment of cumulative impact mapping on Mediterranean coralligenous outcrops. *Scientific Reports* 8:1757 DOI: 10.1038/s41598-018-20297-1
102. Tedesco P, Gustinelli A, Caffara M, Patarnello P, **Terlizzi A**, Fioravanti ML (2018). *Hysterothylacium fabri* (Nematoda, Raphidascarididae) in *Mullus surmuletus* (Perciformes, Mullidae) and *Uranoscopus scaber* (Perciformes, Uranoscopidae) from Mediterranean. *Journal of Parasitology* DOI: 10.1645/17-115
103. Zupan M, Bulleri F, Evans J, Frascchetti S, Guidetti P, Garcia-Rubies A, Sostres V, Asnaghi V, Caro A, Deudero S, Goñi R, Guarnieri G, Guilhaumon F, Kersting D, Kokkali A, Kruschel C, Macic V, Mangialajo L, Mallol S, Macpherson E, Panucci A, Radolovic M, Ramdani M, J. Schembri P, **Terlizzi A**, Villa E, Claudet J (2018). *Biological Conservation* 221: 237-245 DOI: 10.1016/j.biocon.2018.03.013
104. Bevilacqua S, Mistri M, **Terlizzi A**, Munari C (2018). Assessing the effectiveness of surrogates for species over time: Evidence from decadal monitoring of a Mediterranean transitional water ecosystem. *Marine Pollution Bulletin* 131:507–514 DOI: 10.1016/j.marpolbul.2018.04.047
105. Del Coco L, Felling S, Girelli CR, Angilè F, Magliozzi L, Almada F, D'Aniello B, Mollo E, **Terlizzi A**, Fanizzi FP (2018). ¹H NMR Spectroscopy and MVA to Evaluate the effects of Caulerpin-based diet on *Diplodus sargus* lipid profiles. *Marine drugs* 1: 390 DOI: 10.3390/md16100390

- 106.** Vitale RM, D'Aniello E, Gorbi S, Martella A, Silvestri C, Giuliani ME, Fellous T, Gentile A, Carbone M, Cutignano A, Grauso L, Magliozzi L, Polese G, D'Aniello B, Defranoux F, Feline S, Terlizzi A, Calignano A, Regoli F, Di Marzo V, Amodeo P, Mollo E. (2018). Fishing for Targets of Alien Metabolites: A Novel Peroxisome Proliferator-Activated Receptor (PPAR) Agonist from a Marine Pest. *Marine drugs* 16: 431; DOI: 10.3390/md16110431

DICHIARAZIONE

Il sottoscritto Antonio Terlizzi, nato a Napoli il 31/3/68, residente in Lecce, Via N. Della Notte n. 15, dichiara, sotto la sua personale responsabilità, che quanto su affermato corrisponde a verità e si impegna a provarlo mediante presentazione a richiesta dell'Amministrazione

Lecce, 23-12-2018

In fede
Antonio Terlizzi