

PUBBLICAZIONI DOTTORANDI XXIX CICLO (2013-2016)
“BIODIVERSITÀ, AGRICOLTURA E AMBIENTE”

Aquilino Francesca

Aquilino, F., Paradiso, A., Trani, R., Longo, C., Pierri, C., Corriero, G., de Pinto, M.C. (2020) *Chaetomorpha linum* in the bioremediation of aquaculture wastewater: Optimization of nutrient removal efficiency at the laboratory scale. *Aquaculture*, 523, art. n. 735133. DOI: 10.1016/j.aquaculture.2020.735133

Bardaro Nicoletta

Floková, K., Shimels, M., Andreo Jimenez, B., **Bardaro, N.**, Strnad, M., Novák, O., Bouwmeester, H.J. (2020). An improved strategy to analyse strigolactones in complex sample matrices using UHPLC-MS/MS. *Plant Methods*, 16 (1), art. n. 125. DOI: 10.1186/s13007-020-00669-3

Pavan, S., **Bardaro, N.**, Fanelli, V., Marcotrigiano, A.R., Mangini, G., Taranto, F., Catalano, D., Montemurro, C., De Giovanni, C., Lotti, C., Ricciardi, L. (2019). Genotyping by Sequencing of Cultivated Lentil (*Lens culinaris* Medik.) Highlights Population Structure in the Mediterranean Gene Pool Associated With Geographic Patterns and Phenotypic Variables. *Frontiers in Genetics*, 10, art. n. 872. DOI: 10.3389/fgene.2019.00872

Ricciardi, F., Cueto, J.D., **Bardaro, N.**, Mazzeo, R., Ricciardi, L., Dicenta, F., Sánchez-Pérez, R., Pavan, S., Lotti, C., (2018). Syntenic-based development of CAPS markers linked to the sweet kernel LOCUS, controlling amygdalin accumulation in almond (*Prunus dulcis* (Mill.) D.A. Webb). *Genes*, 9(8), art. n. 385, DOI: 10.3390/genes9080385

Pavan, S., Lotti, C., Marcotrigiano, A.R., Mazzeo, R., **Bardaro, N.**, Bracuto, V., Ricciardi, F., Taranto, F., D’Agostino, N., Schiavulli, A., De Giovanni, C., Montemurro, C., Sonnante, G., Ricciardi, L. (2017). A distinct genetic cluster in cultivated chickpea as revealed by genome-wide marker discovery and genotyping. *Plant Genome*, 10(2), 9 pp. DOI: 10.3835/plantgenome2016.11.0115

Pavan S., Schiavulli A., Marcotrigiano A.R., **Bardaro N.**, Bracuto V., Ricciardi F., Charnikhova T., Lotti C., Bouwmeester H., Ricciardi L., (2016). Characterization of low-strigolactone germplasm in Pea (*Pisum sativum* L.) Resistant to Crenate Broomrape (*Orobanche crenata* Forsk.). *Molecular Plant Microbe Interaction*, 29(10):743-749. DOI: 10.1094/MPMI-07-16-0134-R.

Bardaro N., Marcotrigiano A.R., Bracuto V., Mazzeo R., Ricciardi F., Lotti C., Pavan S., Ricciardi L., (2016). Genetic analysis of resistance to *Orobanche crenata* (Forsk.) in a pea (*Pisum sativum* L.) low-strigolactone line. *Journal of Plant Pathology*, 98(3):671-675. DOI: 10.4454/jpp.v98i3.3762

Baroudy Farah

Habib, W., Saab, C., Malek, R., Kattoura, L., Rotolo, C., Gerges, E., **Baroudy, F.**, Pollastro, S., Faretra, F., De Miccolis Angelini, R.M. (2020). Resistance profiles of *Botrytis cinerea* populations to several fungicide classes on greenhouse tomato and strawberry in Lebanon. *Plant Pathology*, 69 (8), pp. 1453-1468. DOI: 10.1111/ppa.13228

Baroudy, F., Putman, A.I., Habib, W., Puri, K.D., Subbarao, K.V., Nigro, F. (2019). Genetic diversity of *Verticillium dahliae* populations from olive and potato in Lebanon. *Plant Disease*, 103 (4), pp. 656-667. DOI: 10.1094/PDIS-03-18-0420-RE

Baroudy, F., Habib, W., Tanos, G., Gerges, E., Saab, C., Choueiri, E., Nigro, F. (2018) Long-distance spread of *Verticillium dahliae* through rivers and irrigation systems. *Plant Disease*, 102 (8), pp. 1559-1565. DOI: 10.1094/PDIS-08-17-1189-RE

Habib, W., Choueiri, E., **Baroudy, F.**, Tabet, D., Gerges, E., Saab, C., Nigro, F. (2017) Soil inoculum density of *Verticillium dahliae* and Verticillium wilt of olive in Lebanon *Annals of Applied Biology*, 170 (2), pp. 150-159. DOI: 10.1111/aab.12323

Cornara Daniele

Desprez-Loustau, L.-L., Balci, Y., **Cornara, D.**, Gonthier, P., Robin, C., Jacques, M.-A. (2021) Is *Xylella fastidiosa* a serious threat to European forests? *Forestry*, 94 (1), pp. 1-17. DOI: 10.1093/forestry/cpaa029

Mokrane, S., Cavallo, G., Tortorici, F., Romero, E., Fereres, A., Djelouah, K., Verrastro, V., **Cornara, D.** (2020). Behavioral effects induced by organic insecticides can be exploited for a sustainable control of the Orange Spiny Whitefly *Aleurocanthus spiniferus*. *Scientific Reports*, 10 (1), art. no. 15746. DOI: 10.1038/s41598-020-72972-x

Cornara, D., Marra, M., Morente, M., Garzo, E., Moreno, A., Saponari, M., Fereres, A. (2020). Feeding behavior in relation to spittlebug transmission of *Xylella fastidiosa*. *Journal of Pest Science*, 93 (4), pp. 1197-1213. DOI: 10.1007/s10340-020-01236-4

Markheiser, A., **Cornara, D.**, Fereres, A., Maixner, M. (2020). Analysis of vector behavior as a tool to predict *Xylella fastidiosa* patterns of spread. *Entomologia Generalis*, 40 (1), pp. 1-13. DOI: 10.1127/entomologia/2019/0841

Cornara D., Marra M, Tedone B, Cavalieri V, Porcelli F, Fereres A, Purcell A, Saponari M (2020) No evidence for cicadas' implication in *Xylella fastidiosa* epidemiology. *Entomologia Generalis* doi: 10.1127/entomologia/2019/0912

Cavalieri, V., Altamura, G., Fumarola, G., Di Carolo, M., Saponari, M., **Cornara, D.**, Bosco, D., Dongiovanni, C. (2019). Transmission of *Xylella fastidiosa* subspecies pauca sequence type 53 by different insect species. *Insects*, 10 (10), art. no. 324. DOI: 10.3390/insects10100324

Cornara, D., Ripamonti, M., Morente, M., Garzo, E., Bosco, D., Moreno, A., Fereres, A. (2019). Artificial diet delivery system for *Philaenus spumarius*, the European vector of *Xylella fastidiosa*. *Journal of Applied Entomology*, 143 (8), pp. 882-892. DOI: 10.1111/jen.12655

Cornara, D., Morente, M., Markheiser, A., Bodino, N., Tsai, C.-W., Fereres, A., Redak, R.A., Perring, T.M., Spotti Lopes, J.R. (2019). An overview on the worldwide vectors of *Xylella fastidiosa*. *Entomologia Generalis*, 39 (3-4), art. no. ESP146003903000, pp. 157-181. DOI: 10.1127/entomologia/2019/0811

Morente, M., **Cornara, D.**, Plaza, M., Durán, J.M., Capiscol, C., Trillo, R., Ruiz, M., Ruz, C., Sanjuan, S., Pereira, J.A., Moreno, A., Fereres, A. (2018). Distribution and relative abundance of

insect vectors of *Xylella fastidiosa* in olive groves of the Iberian peninsula. *Insects*, 9 (4), art. no. 175. DOI: 10.3390/insects9040175

Morente, M., **Cornara, D.**, Moreno, A., Fereres, A. (2018) Continuous indoor rearing of *Philaenus spumarius*, the main European vector of *Xylella fastidiosa*. *Journal of Applied Entomology*, 142 (9), pp. 901-904. DOI: 10.1111/jen.12553

Zeilinger, A.R., Turek, D., **Cornara, D.**, Sicard, A., Lindow, S.E., Almeida, R.P.P., (2018) Bayesian vector transmission model detects conflicting interactions from transgenic disease-resistant grapevines. *Ecosphere*, 9 (11), art. no. e02494,. DOI: 10.1002/ecs2.2494

Cornara, D., Garzo, E., Morente, M., Moreno, A., Alba-Tercedor, J., Fereres, A., (2018). EPG combined with micro-CT and video recording reveals new insights on the feeding behavior of *Philaenus spumarius*. *PLoS ONE*, 13 (7), art. no. e0199154. DOI: 10.1371/journal.pone.0199154

Cornara, D., Bosco, D., Fereres, A., (2018). *Philaenus spumarius*: when an old acquaintance becomes a new threat to European agriculture. *Journal of Pest Science*, 91 (3), pp. 957-972. DOI: 10.1007/s10340-018-0966-0

Cornara D., Saponari M., Zeilinger A.R., de Stradis A., Boscia D., Loconsole G., Bosco D., Martelli G.P., Almeida R.P.P., Porcelli F., (2016). Spittlebugs as vectors of *Xylella fastidiosa* in olive orchards in Italy. *Journal of Pest Science*: 1–10. doi:10.1007/s10340-016-0793-0.

Cornara D., Sicard A., Zeilinger A.R., Porcelli F., Purcell A.H., Almeida R.P.P., (2016). Transmission of *Xylella fastidiosa* to grapevine by the meadow spittlebug. *Phytopathology*, 106: 1285–1290- Doi: 10.1094/PHYTO-05-16-0202-R

Cornara D., Cavalieri V., Dongiovanni C., Altamura G., Palmisano F., Bosco, D., Porcelli F., Almeida, R.P.P., Saponari M., (2016). Transmission of *Xylella fastidiosa* by naturally infected *Philaenus spumarius* (Hemiptera, Aphrophoridae) to different host plants. *Journal of Applied Entomology*, doi:10.1111/jen.12365.

ElKenawy A., Baetan R., Corrado I., **Cornara D.**, Oltean I., Porcelli F., (2015). *Aleurocanthus spiniferus* (Quaintance) (Orange Spiny Whitefly, Osw) (Hemiptera, Aleyrodidae) Invaded South of Italy. *Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. Agriculture*, 72: 285–286.

Digiario M., Elbeaino T., Valentini F., **Cornara D.**, Percoco A., Guarino A., Porcelli F., (2014). First record in Apulia of *Scaphoideus titanus*, the vector of *Flavescencedoree*. *Journal of Plant Pathology*, 96 (2), 431-439.

Saponari M., Loconsole G., **Cornara D.**, Yokomi R., K., De Stradis A., Boscia D., Bosco D., Martelli G.P., Krugner R., Porcelli F., (2014). Infectivity and transmission of *Xylella fastidiosa* by *Philaenus spumarius* (Hemiptera: Aphrophoridae) in Apulia, Italy. *Journal of Economic Entomology*, 107 (4): 1316-1319, doi: 10.1603/EC14142

Cornara, D., Loconsole, G., Boscia, D., Yokomi, R., Bosco, D., Porcelli, F., Saponari, M., Martelli, G., (2014). Survey of the Auchenorrhyncha in the Salento Peninsula in search of putative vectors of *Xylella fastidiosa* Pauca Codiro strain. *Journal of Plant Pathology*, 96: S4.

Lozito Maria Luisa

Colasuonno, P., Marcotuli, I., **Lozito, M.L.**, Simeone, R., Blanco, A., Gadaleta, A., (2017). Characterization of aldehyde oxidase (AO) genes involved in the accumulation of carotenoid pigments in wheat grain. *Frontiers in Plant Science*, 8, art. no. 863. DOI: 10.3389/fpls.2017.00863

Colasuonno, P., **Lozito, M.L.**, Marcotuli, I., Nigro, D., Giancaspro, A., Mangini, G., De Vita, P., Mastrangelo, A.M., Pecchioni, N., Houston, K., Simeone, R., Gadaleta, A., Blanco, A., (2017). The carotenoid biosynthetic and catabolic genes in wheat and their association with yellow pigments. *BMC Genomics*, 18 (1), art. no. 122. DOI: 10.1186/s12864-016-3395-6

Colasuonno, P., Incerti, O., **Lozito, M.L.**, Simeone, R., Gadaleta, A., Blanco, A. 2016. DHPLC technology for high-throughput detection of mutations in a durum wheat TILLING population. *BMC Genetic*. 2016 Feb 17;17: 43.

Montemurro Nicola

Solè M., **Montemurro N.**, Pérez S. (2021) Biomarker responses and metabolism in *Lumbricus terrestris* exposed to drugs of environmental concern, an in vivo and in vitro approach, *Chemosphere*, 277, art. n. 130283. DOI: 10.1016/j.chemosphere.2021.130283

Labad F., **Montemurro N.**, Sibora B., Thomaidis N.S., Pérez S. (2021) One-step extraction and analysis of 45 contaminants of emerging concern using QuEChERS methodology and HR-MS in radish leaves and roots. *MethodsX*, 8, art. n. 101308. DOI: 10.1016/j.mex.2021.101308

Ávila C., García-Galán M.J., Uggetti E., **Montemurro N.**, García-Vara M., Pérez S., García J., Postigo C., Boosting pharmaceutical removal through aeration in constructed wetlands. *Journal of Hazardous Materials*, 412, art. n. 125231. www.10.1016/j.jhazmat.2021.125231

Sabater-Liesa L., **Montemurro N.**, Ginebreda A., Barceló D., Eichhorn P., Pérez S. (2021) Retrospective mass spectrometric analysis of wastewater-fed mesocosms to assess the degradation of drugs and their human metabolites. *Journal of Hazardous Materials*, 408, art. n. 124984. DOI: 10.1016/j.jhazmat.2020.124984

Manasfi R., Brienza M., Ait-Mouheb N., **Montemurro N.**, Perez S., Chiron S. (2021) Impact of long-term irrigation with municipal reclaimed wastewater on the uptake and degradation of organic contaminants in lettuce and leek. *Science of the Total Environment*, 765, art. n. 142742. DOI: 10.1016/j.scitotenv.2020.142742

Gallego S., Nos D., **Montemurro N.**, Sanchez-Hernandez J.C., Pérez S., Solé M., Martin-Laurent F. (2021) Ecotoxicological impact of the antihypertensive valsartan on earthworms, extracellular enzymes and soil bacterial communities. *Environmental Pollution*, 275, art. n. 116647. DOI: 10.1016/j.envpol.2021.116647

Llado J., Lao-Luque C., Sole-Sardans M., **Montemurro N.**, Perez S., Fuente E., Ruiz B. (2021) Elimination of persistent anthropogenic pollutants by micro-mesoporous carbon xerogels. Natural organic matter on surface water and textural properties influences. *Journal of Environmental Chemical Engineering*, 9, 1, 104885. DOI: 10.1016/j.jece.2020.104885

Manasfi R., Labad F., **Montemurro N.** (2021) Development of methods for the determination of phacs in soil/earthworm/crop system irrigated with reclaimed water. Handbook of Environmental Chemistry, 103, pp. 417-491. DOI: 10.1007/698_2020_650

Pérez S., Chiron S., Barceló D., **Montemurro N.**, Eichhorn P. (2021) Conclusions and future perspectives. Handbook of Environmental Chemistry, 103, pp. 525-530. DOI: 10.1007/698_2020_655

Montemurro N., Peña-Herrera J.M., Ginebreda A., Eichhorn P., Pérez S. (2021) The journey of human drugs from their design at the bench to their fate in crops. Handbook of Environmental Chemistry, 103, 3-31. DOI: 10.1007/698_2020_643

Bigott, Y., Chowdhury, S.P., Pérez, S., **Montemurro, N.**, Manasfi, R., Schröder, P. (2021). Effect of the pharmaceuticals diclofenac and lamotrigine on stress responses and stress gene expression in lettuce (*Lactuca sativa*) at environmentally relevant concentrations. Journal of Hazardous Materials, 403, art. no. 123881. DOI: 10.1016/j.jhazmat.2020.123881

Gómez-Morte, T., Gómez-López, V.M., Lucas-Abellán, C., Martínez-Alcalá, I., Ayuso, M., Martínez-López, S., **Montemurro, N.**, Pérez, S., Barceló, D., Fini, P., Cosma, P., Cerón-Carrasco, J.P., Fortea, M.I., Núñez-Delicado, E., Gabaldón, J.A. (2021). Removal and toxicity evaluation of a diverse group of drugs from water by a cyclodextrin polymer/pulsed light system. Journal of Hazardous Materials, 402, art. no. 123504. DOI: 10.1016/j.jhazmat.2020.123504

Montemurro, N., Joedicke, J., Pérez, S. (2021). Development and application of a QuEChERS method with liquid chromatography-quadrupole time of flight-mass spectrometry for the determination of 50 wastewater-borne pollutants in earthworms exposed through treated wastewater Chemosphere, 263, art. no. 128222. DOI: 10.1016/j.chemosphere.2020.128222

Montemurro, N., Orfanoti, A., Manasfi, R., Thomaidis, N.S., Pérez, S. (2020). Comparison of high resolution mrm and sequential window acquisition of all theoretical fragment-ion acquisition modes for the quantitation of 48 wastewater-borne pollutants in lettuce. Journal of Chromatography A, 1631, art. no. 461566. DOI: 10.1016/j.chroma.2020.461566

Peña-Herrera, J.M., **Montemurro, N.**, Barceló, D., Pérez, S. (2020). Combining quantitative and qualitative approaches using Sequential Window Acquisition of All Theoretical Fragment-Ion methodology for the detection of pharmaceuticals and related compounds in river fish extracted using a sample miniaturized method. Journal of Chromatography A, 1620, art. no. 461009. DOI: 10.1016/j.chroma.2020.461009

Manasfi, R., Chiron, S.; **Montemurro, N.**, Perez, S., Brienza, M. (2020). Biodegradation of fluoroquinolone antibiotics and the climbazole fungicide by *Trichoderma* species. Environmental Science and Pollution Research, 1-11.

Palma, P. Fialho, S., Lima, A., Novais, M. H., Costa, M. J., **Montemurro, N.**, Pérez, S., de Alda, M. L. (2020). Pharmaceuticals in a Mediterranean Basin: The influence of temporal and hydrological patterns in environmental risk assessment. Science of The Total Environment, 709, 136205.

Peña-Herrera J.M., **Montemurro N.**, Barceló D., Pérez S. (2020) Analysis of pharmaceuticals in fish using ultrasound extraction and dispersive spe clean-up on que Z-Sep/C18 followed by LC-QToF-MS detection. MethodsX, 7, art. n. 101010. DOI: 10.1016/j.mex.2020.101010

Dallarés, S., Dourado, P., Sanahuja, I., Solovyev, M., Gisbert, E., **Montemurro, N.**, Torreblanca A., Blázquez M., Solé M. (2019). Multibiomarker approach to fipronil exposure in the fish *Dicentrarchus labrax* under two temperature regimes. *Aquatic Toxicology*, 105378.

Gallardo-Altamirano, M., Maza-Márquez, P., **Montemurro, N.**, Rodelas, B., Osorio F., Pozo C. (2019). Linking microbial diversity and population dynamics to the removal efficiency of pharmaceutically active compounds (PhACs) in an anaerobic/anoxic/aerobic (A2O) system. *Chemosphere*, 233, 828-842.

Pérez-Coyotl, I., Galar-Martínez, M., García-Medina, S., Gómez-Oliván, L., Gasca-Pérez, E., Martínez-Galero, E., Islas-Flores, H., Pérez-Pastén, B. R., Barceló, D., de Alda, M. L., Perez, S., Serra-Roig, M., **Montemurro, N.**, Peña-Herrera, J., Sanchez-Aceves, L. (2019). Polluted water from an urban reservoir (Madín dam, México) induces toxicity and oxidative stress in *Cyprinus carpio* embryos. *Environmental Pollution*, 251, 510-521.

Sabater-Liesa, L., **Montemurro, N.**, Font, C., Ginebreda, A., González-Trujillo, J. D., Mingorance, N., Pérez, S., Barceló, D. (2019). The response patterns of stream biofilms to urban sewage change with exposure time and dilution. *Science of The Total Environment*, 674, 401-411.

Montemurro, N., Postigo, C., Chirón, S., Barcelò, D., Pérez S. (2019). Analysis and fate of 14 relevant wastewater-derived organic pollutants in long-term exposed soil. *Analytical and bioanalytical chemistry*, 411 (12), 2687-2696.

Peña-Herrera, J., **Montemurro, N.**, Barceló, D., Pérez, S. (2019). Development and validation of an analytical method for determination of pharmaceuticals in fish muscle based on QuEChERS extraction and SWATH acquisition using LC-QTOF-MS/MS system. *Talanta*, 199, 370-379.

Dallarés, S., **Montemurro, N.**, Pérez, S., Rodríguez-Sanchez, N., Solé, M. (2019). Preliminary results on the uptake and biochemical response to water-exposure of Tamiflu® (oseltamivir phosphate) in two marine bivalves. *Journal of Toxicology and Environmental Health, Part A*, 82 (2), 75-85. DOI: 10.1080/15287394.2018.1562393

Montemurro, N., García-Vara, M., Peña-Herrera, J.M., Llada, J., Barcelà, D., Pérez, S. (2018). Conventional and advanced processes for the removal of pharmaceuticals and their human metabolites from wastewater. *ACS Symposium Series*, 1302, pp. 15-67. DOI: 10.1021/bk-2018-1302.ch002

Montemurro, N., Postigo, C., Lonigro, A., Pérez, S., Barcelò, D., (2017). Development and validation of an analytical method based on liquid chromatography-tandem mass spectrometry detection for the simultaneous determination of 13 relevant wastewater-derived contaminants in lettuce. *Analytical and Bioanalytical Chemistry*. DOI: 10.1007/s00216-017-0363-1

Lonigro, A., **Montemurro, N.**, Laera, G., (2017). Effects of residual disinfectant on soil and lettuce crop irrigated with chlorinated water. *Journal of Science of the Total Environment*, 584-585 (2017) 595-602. DOI: 10.1016/j.scitotenv.2017.01.083

Montemurro, N., Cucci, G., Mastro, M. A., Lacolla, G., Lonigro, A. (2017). The nitrogen role in vegetables irrigated with treated municipal wastewater, *Agronomy Research*, 15 (5), pp. 2012-2025. DOI: 10.15159/AR.17.044

Lonigro, A., Rubino, P., Lacasella, V., **Montemurro, N.**, (2016). Faecal pollution on vegetables and soil drip irrigated with treated municipal wastewaters, *Agricultural Water Management*, 174: 66-73. DOI: 10.1016/j.agwat.2016.02.001

Lonigro, A., **Montemurro, N.**, Rubino, P., Vergine, P., Pollice A., (2015). Reuse of treated municipal wastewater in Apulia region: the “INTERRA” Project. *Environmental Engineering and Management Journal*, 14(7): 1665-1674.

Bonerba, E., Ceci, E., **Montemurro, N.**, Tantillo, G., Di Pinto, A., Celano, G. V., Bozzo, G., (2014). Rapid modified QuEChERS method for pesticides detection in honey by high-performance liquid chromatography UV-visible, *Italian Journal of Food Safety*, 3,2. DOI: 10.4081/ijfs.2014.1647

Pagano Stefano Giorgio

Pagano, S.G., Sollito, D., Colucci, M., Prato, D., Milillo, F., Ricci, G.F., Gentile, F. (2020). Setting up of an experimental site for the continuous monitoring of water discharge, suspended sediment transport and groundwater levels in a mediterranean basin. Results of one year of activity. *Water*, 12 (11), art. 3130, pp. 1-22. DOI: 10.3390/w12113130

Pagano, S.G., Rainato, R., García-Rama, A., Gentile, F., Lenzi, M.A. (2019). Analysis of suspended sediment dynamics at event scale: Comparison between a mediterranean and an alpine basin. *Hydrological Sciences Journal*, 64 (8), pp. 948-961. DOI: 10.1080/02626667.2019.1606428

Garcia-Rama, A., **Pagano, S.G.**, Gentile, F., Lenzi, M.A., (2016). Suspended sediment transport analysis in two Italian instrumented catchments. *Journal of Mountain Sciences*, 13 (6): 956-970. DOI: 10.1007/s11629-016-3858-x

Ricci Pasquale

Carlucci, R., Menea, E., **Ricci, P.**, Cipriano, G., Fanizza, C., Maglietta, R., Gissi, E. (2021) Managing multiple pressures for cetaceans' conservation with an Ecosystem-Based Marine Spatial Planning approach. *Journal of Environmental Management*, 287, art. n. 112240 DOI: 10.1016/j.jenvman.2021.112240

Ricci, P., Sion, L., Capezzuto, F., Cipriano, G., D'Onghia, G., Libralato, S., Maiorano, P., Tursi, A., Carlucci, R. (2021) Modelling the trophic roles of the demersal Chondrichthyes in the Northern Ionian Sea (Central Mediterranean Sea). *Ecological Modelling*, 4444, art. n. 109468 DOI: 10.1016/j.ecolmodel.2021.109468

Carlucci, R., Capezzuto, F., Cipriano, G., D'Onghia, G., Fanizza, C., Libralato, S., Maglietta, R., Maiorano, P., Sion, L., Tursi, A., **Ricci, P.** (2021) Correction to: Assessment of cetacean–fishery interactions in the marine food web of the Gulf of Taranto (Northern Ionian Sea, Central Mediterranean Sea). *Reviews in Fish Biology and Fisheries*, 31 (1), pp. 157. DOI: 10.1007/s11160-020-09630-y

Carlucci, R., Capezzuto, F., Cipriano, G., D'Onghia, G., Fanizza, C., Libralato, S., Maglietta, R., Maiorano, P., Sion, L., Tursi, A., **Ricci, P.** (2021) Assessment of cetacean–fishery interactions in the marine food web of the Gulf of Taranto (Northern Ionian Sea, Central Mediterranean Sea). *Reviews in Fish Biology and Fisheries*, 31 (1), pp. 135-156. DOI: 10.1007/s11160-020-09623-x

Petrocelli, A., Alabiso, G., Cecere, E., **Ricci, P.**, Carlucci, R. (2020). Invasive or not? The case of *Grateloupia turuturu* (Rhodophyta, Halymeniales) in the Northern Ionian Sea (Mediterranean Sea) *Marine Pollution Bulletin*, 161, art. no. 111748. DOI: 10.1016/j.marpolbul.2020.111748

Carlucci, R., Cipriano, G., Santacesaria, F.C., **Ricci, P.**, Maglietta, R., Petrella, A., Mazzariol, S., De Padova, D., Mossa, M., Bellomo, S., Fanizza, C. (2020). Exploring data from an individual stranding of a Cuvier's beaked whale in the Gulf of Taranto (Northern Ionian Sea, Central-eastern Mediterranean Sea). *Journal of Experimental Marine Biology and Ecology*, 533, art. no. 151473. DOI: 10.1016/j.jembe.2020.151473

Papale, E., Fanizza, C., Buscaino, G., Ceraulo, M., Cipriano, G., Crugliano, R., Grammata, R., Gregoriotti, M., Renò, V., **Ricci, P.**, Santacesaria, F.C., Maglietta, R., Carlucci, R. (2020). The social role of vocal complexity in striped dolphins. *Frontiers in Marine Science*, 7, art. no. 584301. DOI: 10.3389/fmars.2020.584301

Ricci, P., Libralato, S., Capezzuto, F., D'Onghia, G., Maiorano, P., Sion, L., Tursi, A., Solidoro, C., Carlucci, R. (2019). Ecosystem functioning of two marine food webs in the North-Western Ionian Sea (Central Mediterranean Sea). *Ecology and Evolution*, 9 (18), pp. 10198-10212. DOI: 10.1002/ece3.5527

Carlucci, R., Mentino, D., Semeraro, D., **Ricci, P.**, Sion, L., Scillitani, G. (2019). Comparative histochemical analysis of intestinal glycoconjugates in the blunthead pufferfish *Sphoeroides pachygaster* and grey triggerfish *Balistes capriscus* (Teleostei: Tetraodontiformes). *Journal of Fish Biology*. *Journal of Fish Biology*, 94 (1), pp. 122-131. DOI: 10.1111/jfb.13871

Sion, L., Calculli, C., Capezzuto, F., Carlucci, R., Carluccio, A., Cornacchia, L., Maiorano, P., Pollice, A., **Ricci, P.**, Tursi, A., D'Onghia, G. (2019). Does the Bari Canyon (Central Mediterranean) influence the fish distribution and abundance? *Progress in Oceanography*, 170, pp. 81-92. DOI: 10.1016/j.pocean.2018.10.015

Azzolin, M., Saintingan, S., Zampollo, A., Carlucci, R., Maglietta, R., Cipriano, G., Crosti, R., Arcangeli, A., **Ricci, P.**, Fanizza, C., Vetrugno, A., Ramazio, M., Giacomina, C. (2019). Multi source data analysis for improving striped dolphin distribution modelling at a regional scale. 2018 IEEE International Workshop on Metrology for the Sea; Learning to Measure Sea Health Parameters, MetroSea 2018 - Proceedings, art. no. 8657895, pp. 145-149. DOI: 10.1109/MetroSea.2018.8657895

Capezzuto, F., Ancona, F., Carlucci, R., Carluccio, A., Cornacchia, L., Maiorano, P., **Ricci, P.**, Sion, L., Tursi, A., D'Onghia, G., (2018). Cold-water coral communities in the Central Mediterranean: aspects on megafauna diversity, fishery resources and conservation perspectives. *Rendiconti Lincei*, 29 (3), pp. 589-597. DOI: 10.1007/s12210-018-0724-5

Carlucci, R., Bandelj, V., **Ricci, P.**, Capezzuto, F., Sion, L., Maiorano, P., Tursi, A., Solidoro, C., Libralato, S., (2018). Exploring spatio-temporal changes in the demersal and benthopelagic assemblages of the northwestern Ionian Sea (central Mediterranean Sea). *Marine Ecology Progress Series*, 598, pp. 1-19. DOI: 10.3354/meps12613

Carlucci, R., Cipriano, G., Paoli, C., **Ricci, P.**, Fanizza, C., Capezzuto, F., Vassallo, P., (2018). Random Forest population modelling of striped and common-bottlenose dolphins in the Gulf of Taranto (Northern Ionian Sea, Central-eastern Mediterranean Sea). *Estuarine, Coastal and Shelf Science*, 204, pp. 177-192. DOI: 10.1016/j.ecss.2018.02.034

Carlucci, R., **Ricci, P.**, Cipriano, G., Fanizza, C., (2018). Abundance, activity and critical habitat of the striped dolphin *Stenella coeruleoalba* in the Gulf of Taranto (northern Ionian Sea, central Mediterranean Sea). *Aquatic Conservation: Marine and Freshwater Ecosystems*, 28 (2), pp. 324-336. DOI: 10.1002/aqc.2867

D'Onghia, G., Capezzuto, F., Carlucci, R., Carluccio, A., Maiorano, P., Panza, M., **Ricci, P.**, Sion, L., Tursi, A., (2018). Using a benthic lander to explore and monitor vulnerable ecosystems in the Mediterranean Sea. *Acta IMEKO*, 7 (2), pp. 45-49.

Capezzuto, F., Sion, L., Ancona, F., Carlucci, R., Carluccio, A., Cornacchia, L., Maiorano, P., **Ricci, P.**, Tursi, A., D'Onghia, G., (2018). Cold-water coral habitats and canyons as Essential Fish Habitats in the southern Adriatic and northern Ionian Sea (central Mediterranean). *Ecological Questions*, 29 (3), pp. 9-23. DOI: 10.12775/EQ.2018.019

Carlucci, R., Maglietta, R., Buscaino, G., Cipriano, G., Milella, A., Pollazzon, V., Bondanese, P., De Leonardis, C., Mona, S., Nitti, M., Papale, E., Reno, V., **Ricci, P.**, Stella, E., Fanizza, C., (2017) Review on research studies and monitoring system applied to cetaceans in the gulf of Taranto (northern ionian sea, central-eastern mediterranean sea). 2017 14th IEEE International Conference on Advanced Video and Signal Based Surveillance, AVSS 2017, art. no. 8078473. DOI: 10.1109/AVSS.2017.8078473

Carlucci, R., **Ricci, P.**, Cipriano, G., Fanizza, C., (2017). Abundance, activity and critical habitat of the striped dolphin *Stenella coeruleo alba* in the Gulf of Taranto (northern Ionian Sea, central Mediterranean Sea). *Aquatic Conserv: Mar FreshwEcosyst.*, 1–13.

D'Onghia, G., Calculli, C., Capezzuto, F., Carlucci, R., Carluccio, A., Maiorano, P., Pollice, A., **Ricci, P.**, Sion, L. Tursi, A., (2016). New records of cold-water coral sites and fish fauna characterization of a potential network existing in the Mediterranean Sea. *Marine Ecology*, 37: 1398–1422. doi:10.1111/maec.12356.

Spanò Marinella

De Girolamo, A.M., **Spanò, M.**, D'Ambrosio, E., Ricci, G.F., Gentile, F. (2019). Developing a nitrogen load apportionment tool: Theory and application. *Agricultural Water Management*, 226, art. no. 105806. DOI: 10.1016/j.agwat.2019.105806

D'Ambrosio, E., De Girolamo, A.M., **Spanò, M.**, Corbelli, V., Capasso, G., Morea, M., Velardo, R., Abdelwahab, O.M., Lonigro, A., Milillo, F., Ricci, G.F., Romano, G., Calabrese, A., Casale, B., Mauro, R., Pappagallo, G., Gentile, F., (2019). A spatial analysis to define data requirements for hydrological and water quality models in data-limited regions. *Water (Switzerland)*, 11 (2), art. no. 267. DOI: 10.3390/w11020267

Spanò M., Gentile F., Davies C., Laforteza R., (2017). The DPSIR framework in support of green infrastructure planning: A case study in Southern Italy. *Land Use Policy*, 61: 242-250. doi:10.1016/j.landusepol.2016.10.051

Spanò M., Leronni V., Laforteza R., Gentile F., (2017). Are ecosystem service hotspots located in protected areas? Results from a study in Southern Italy. *Environmental Science & Policy*. 73: 52-60. doi: 10.1016/j.envsci.2017.04.008

Tolomeo Doron

Tolomeo, D., Agostini, A., Visci, G., Traversa, D., Storlazzi, C.T. (2021) PVT1: A long non-coding RNA recurrently involved in neoplasia-associated fusion transcripts. *Gene* 779, art. n. 145497. DOI: 10.1016/j.gene.2021.145497

Tolomeo, D., Agostini, A., Macchia, G., L'Abbate, A., Severgnini, M., Cifola, I., Frassanito, M.A., Racanelli, V., Solimando, A.G., Haglund, F., Mertens, F., Storlazzi, C.T. (2021) BL1391: an established cell line from a human malignant peripheral nerve sheath tumor with unique genomic features. *Human Cell*, 34(1), pp. 238-245. DOI: 10.1007/s13577-020-00418-7

Visci, G., **Tolomeo, D.**, Agostini, A., Traversa, D., Macchia, G., Storlazzi, C.T. (2020). CircRNAs and Fusion-circRNAs in cancer: New players in an old game. *Cellular Signalling*, 75, art. no. 109747. DOI: 10.1016/j.cellsig.2020.109747

Tolomeo, D., Capozzi, O., Chiatante, G., Sineo, L., Ishida, T., Archidiacono, N., Rocchi, M., Stanyon, R. (2020). Eight million years of maintained heterozygosity in chromosome homologs of cercopithecine monkeys. *Chromosoma*, 129 (1), pp. 57-67. DOI: 10.1007/s00412-020-00731-y

Tolomeo, D., Agostini, A., Macchia, G., L'Abbate, A., Severgnini, M., Cifola, I., Frassanito, M.A., Racanelli, V., Solimando, A.G., Haglund, F., Mertens, F., Storlazzi, C.T. (2020). BL1391: an established cell line from a human malignant peripheral nerve sheath tumor with unique genomic features. *Human Cell*. DOI: 10.1007/s13577-020-00418-7

Tolomeo, D., L'Abbate, A., Lonoce, A., D'Addabbo, P., Miccoli, M.F., Lo Cunsolo, C., Iuzzolino, P., Palumbo, O., Carella, M., Racanelli, V., Mazza, T., Ottaviani, E., Martinelli, G., Macchia, G., Storlazzi, C.T. (2019). Concurrent chromothripsis events in a case of TP53 depleted acute myeloid leukemia with myelodysplasia-related changes. *Cancer Genetics*, 237, pp. 63-68. DOI: 10.1016/j.cancergen.2019.06.009

L'Abbate, A., **Tolomeo, D.**, Cifola, I., Severgnini, M., Turchiano, A., Augello, B., Squeo, G., D'Addabbo, P., Traversa, D., Daniele, G., Lonoce, A., Pafundi, M., Carella, M., Palumbo, O., Dolnik, A., Muehlematter, D., Schoumans, J., Van Roy, N., De Bellis, G., Martinelli, G., Merla, G., Bullinger, L., Haferlach, C., Storlazzi, C.T., (2018). Correction to: MYC-containing amplicons in acute myeloid leukemia: genomic structures, evolution, and transcriptional consequences (*Leukemia*, (2018), 32, 10, (2152-2166), 10.1038/s41375-018-0033-0). *Leukemia*, 32 (10), p. 2304. DOI: 10.1038/s41375-018-0177-y

L'Abbate, A., **Tolomeo, D.**, Cifola, I., Severgnini, M., Turchiano, A., Augello, B., Squeo, G., D'Addabbo, P., Traversa, D., Daniele, G., Lonoce, A., Pafundi, M., Carella, M., Palumbo, O., Dolnik, A., Muehlematter, D., Schoumans, J., Van Roy, N., De Bellis, G., Martinelli, G., Merla, G., Bullinger, L., Haferlach, C., Storlazzi, C.T., (2018). MYC-containing amplicons in acute myeloid leukemia: genomic structures, evolution, and transcriptional consequences. *Leukemia*, 32 (10), pp. 2152-2166. DOI: 10.1038/s41375-018-0033-0

Macchia G., Severgnini M., Purgato S., **Tolomeo D.**, Casciaro H., Cifola I., L'Abbate A., Loverro A., Palumbo O., Carella M., Bianchini L., Perini G., De Bellis G., Mertens F., Rocchi M., Storlazzi C.T., (2017). The Hidden Genomic and Transcriptomic Plasticity of Giant Marker Chromosomes in Cancer. *Genetics*. Dec 26. doi: 10.1534/genetics.117.300552.

Tolomeo D., Stanyon R.R., Rocchi M., (2017). Fluorescence In Situ Hybridization Probe Preparation. *Methods in molecular biology* (Clifton, NJ) 1541: 91-100. doi: 10.1007/978-1-4939-6703-2_9

L'Abbate A., **Tolomeo D.**, Cifola I., Severgnini M., Turchiano A., Augello B., Squeo G., D'Addabbo P., Traversa D., Daniele G., Lonoce A., Pafundi M., Carella M., Palumbo O., Dolnik A., Muehlematter D., Schoumans J., Van Roy N., De Bellis G., Martinelli G., Merla G., Bullinger L., Haferlach C, Storlazzi C.T., (2017). MYC-containing amplicons in acute myeloid leukemia: Genomic structures, evolution, and transcriptional consequences. *Leukemia*, 28. doi: 10.1038/leu.2017.337.

Tolomeo D., Capozzi O., Stanyon R.R., Archidiacono N., D'Addabbo P., Catacchio C.R., Purgato S., Perini G., Schempp W., Huddleston J., Malig M., Eichler E.E, Rocchi M., (2017). Epigenetic origin of evolutionary novel centromeres. *Scientific reports* 7: 41980. doi: 10.1038/srep41980.

L'Abbate A., **Tolomeo D.**, De Astis F., Lonoce A., Lo Cunsolo C., Muehlematter D., Schoumans J., Vandenberghe P., Van Hoof A., Palumbo O., Carella M., Mazza T., Storlazzi C.T., (2015). t(15;21) translocations leading to the concurrent downregulation of RUNX1 and its transcription factor partner genes SIN3A and TCF12 in myeloid disorders. *Molecular cancer*, 14: 211. doi: 10.1186/s12943-015-0484-0

L'Abbate A., Macchia G., D'Addabbo P., Lonoce A., **Tolomeo D.**, Trombetta D., Kok K., Bartenhagen C., Whelan C.W., Palumbo O., Severgnini M., Cifola I., Dugas M., Carella M., De Bellis G., Rocchi M., Carbone L., Storlazzi C.T., (2014). Genomic organization and evolution of double minutes/homogeneously staining regions with MYC amplification in human cancer. *Nucleic acids research*, 42: 9131-9145. doi: 10.1093/nar/gku590