



**Ylenia Carotenuto, PhD**

Born in Naples on 09/10/1971

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Bibliometric indexes: 48 ISI papers and 2 Book Chapters, H-index: 25 (Google Scholar); Citations 1920 (Google Scholar) (February 2023).

Current position: Researcher

Affiliation: Department of Integrative Marine Ecology, Stazione Zoologica Anton Dohrn, Villa Comunale, 80121, Naples, Italy

**Research interests**

Plankton Chemical ecology, Molecular ecology and Next Generation Sequencing. My activity focuses on phytoplankton-zooplankton interactions in marine systems and their role in ecosystem functioning. In particular, I investigate the impact of algal biodiversity in terms of species, biological traits and production of info-chemicals (toxins and other secondary metabolites), on grazing, reproduction, larval development and gene expression of copepods, and their role in copepod population dynamics at sea. Recently, I have started to investigate the impact of anthropogenic stressors (nanoparticles and polluted sediments) on copepods. My research involves measurements of copepod life-history parameters (i.e. ingestion rates, egg production and viability, larval survivorship), quantitative gene expression analysis (RT-qPCR) and transcriptome sequencing.

**Education/Training/Professional experience**

Institute and Location	Qualification	Year	Sector
Stazione Zoologica Anton Dohrn	Researcher	2010-now	Plankton ecology; diatom-copepod interaction
National Scientific Habilitation	Assistant Professor (II Level)	2014	Ecology (05/C1)
Göteborg University, Sven Lovén Centre for Marine	Visiting scientist	2016	Experimental workshop

**Ylenia Carotenuto - Curriculum vitae**

Sciences, Tjärnö (Svezia)			
Göteborg University, Sven Lovén Centre for Marine Sciences, Kristineberg (Svezia)	Visiting scientist	2011	ASSEMBLE Transnational Access
Station Biologique de Roscoff, Roscoff (Francia)	Visiting scientist	2010	ASSEMBLE Transnational Access
Stazione Zoologica Anton Dohrn	Post-doc	2009-2010	Eco-physiology of diatom-copepod interaction
University of Bergen (Norway)	Visiting scientist	2008 2005	Mesocosm experiments on phytoplankton-copepod interactions
Oceanographic cruise on board of the vessel “URANIA”	Scientist	2005	<i>In-situ</i> experiments of copepod feeding and reproduction
Oceanographic cruise on board of the vessel “G. Dallaporta”	Scientist	2004 2006	<i>In-situ</i> experiments of copepod feeding and reproduction
Stazione Zoologica Anton Dohrn	Contract researcher	2003-2009	Eco-physiology of diatom-copepod interaction
Max Planck Institute for Limnology (Plön, Germany)	Post-doc fellowship	2002-2003	Freshwater diatoms-cladocerans interactions: feeding and reproduction
University of Messina (Italy)	PhD	1998-2002	PhD in Environmental Sciences: Marine Environment and Resources
University of Vigo (Spain)	Visitor PhD student	2001	Toxic algae-copepod interactions: reproduction
Stazione Zoologica Anton Dohrn	Training	1997-1998	Eco-physiology of diatom-copepod interaction
University ‘Federico II’ of Naples	Master degree	1997	Biological Sciences

### External funds

2021-2023: MUR Project 2020 CRIMAC “Centro Ricerche ed Infrastrutture Marine Avanzate in Calabria”, to the Grant CALYPSO – Copepod Assemblage, Ecology and Physiology in the Amendolara Region (Ionian Sea), PI Ylenia Carotenuto

2020-2022: Addendum al Progetto Operativo PO FEAMP CAMPANIA 2014-2020, Misura 2.51. WP2-A2 - Analisi e cartografia di nuovi dati ambientali

2019-2021: Progetto Operativo PO FEAMP CAMPANIA 2014-2020, Misura 2.51. WP4 Analisi e cartografia dell’oceanografia fisica, chimica e biologica e della meteorologia - Azione 4.1 - Oceanografia chimica, fisica e biologica e modellistica oceanografica

2017-2021: EU H2020-INFRAIA-1-2016-2017-Integrating Activities for Advanced Communities: “Assemble Plus (Association of European Marine Biological Laboratories Expanded)”. Grant Agreement no. 730984. WP10-JRA4 Instrumentation: ‘Development

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and standardization of on-site instrumentation for experimental marine biology and ecology’.

2017-2020: MIUR-Fondo Integrativo Speciale per la Ricerca (FISR) (CIPE-GU n. 56 8/3/2017): “ABBACO-Restauro Ambientale e Balneabilità del SIN Bagnoli-Coroglio”. WP4 ‘Holistic approach to the study of multiple stress and risk reduction’.

2011: EU FP7 ASSEMBLE Transnational Access Grant (Call 3) (grant agreement no. 227799) to the project “Stress response in the copepods *Calanus helgolandicus* and *Calanus finmarchicus* after feeding on the oxylipin-producing diatom *Skeletonema marinoi*”. Sven Lovén Centre for Marine Sciences, Kristineberg, Sweden, 23rd May 2011 - 3rd June 2011. Co-PI of the Project

2010: EU FP7 ASSEMBLE Transnational Access Grant (Call 1) to the project “Molecular investigations of the stress response induced by diatom oxylipins in the copepod *Calanus helgolandicus*”. Station Biologique de Roscoff, France, 17th - 29th May 2010. Co-PI of the Project

#### **Appointments and Awards**

2004. Winner of MARS (European Marine Research Stations Network) Travel Award for Young Scientists

2010. Award of the General Consulate of Germany in Naples, for acknowledging the effort in scientific cooperation between Germany and Italy in Marine Biology

#### **Student Supervision/Examination**

Director of study of 3 Open University PhD student.

Internal Supervisor of 3 OU PhD student.

Supervisor of 7 Post-graduate students and co-tutor of 5 non-UK MPhil students

Evaluator for 1 student of the Interuniversity Master Program ‘International Master of Science in Marine Biological Resources – IMBRSea’, within the Framework Erasmus Mundus Master Joint Master Degrees

Exam Panel chair of 4 Open University PhD students

#### **Editorial activity**

Editorial Board Member of *Frontiers in Marine Science-Marine Molecular Biology and Ecology*;

Guest Editors for *Journal of Marine Science and Engineering*; Guest Editors for *Marine Drugs*

#### **Collaborators**

Dr. A. Fontana and Dr. G. d’Ippolito (CNR-ICB Pozzuoli, Naples), Dr. I. Buttino, ISPRA Livorno (Italy), Prof. S. Souissi, University of Lille, (Lille, France), Prof. M. Steinke (University of Essex, Colchester, UK), Prof. Eric von Elert, University of Köln (Köln, Germany). SZN: Dr. M. Uttieri, Dr. I. Di Capua, Dr. V. Roncalli, Dr. C. Lauritano, Dr. V. Di Dato, Dr. F. Romano, Dr. M. G. Mazzocchi, Dr. W. Kooistra.

### **List of publications of the last 10 years (2013-present)**

- Carotenuto Y, Di Capua I, Di Pinto M, Palumbo F, Percopo I, Uttieri M, Miralto A, Mazzocchi MG, Ianora A. 2023. Twenty-year trends of *Centropages typicus* (Copepoda, Calanoida) reproduction, feeding, population abundance and structure in the Gulf of Naples (Western Mediterranean Sea). *Marine Ecology*, e12739. doi.org/10.1111/maec.12739
- Roncalli, V., Uttieri, M., Capua, I. D., Lauritano, C., & Carotenuto, Y. (2022). Chemosensory-Related Genes in Marine Copepods. *Marine Drugs*, 20(11), 681.
- Di Capua I, D'Angiolo R, Piredda R, Minucci C, Boero F, Uttieri M, Carotenuto Y, 2022. From phenotypes to genotypes and back: towards an integrated evaluation of biodiversity in calanoid copepods. *Frontiers in Marine Science*, 9: 833089. doi:10.3389/fmars.2022.833089
- Roncalli V, Lauritano C, Carotenuto Y, 2021. First Report of OvoA Gene in Marine Arthropods: A New Candidate Stress Biomarker in Copepods. *Marine Drugs* 19(11), 647. doi:10.3390/md19110647
- Zupo, V., Mazzella, V., Fink, P., Saha, M., Carotenuto, Y., & Mutalipassi, M. 2022. Copepods vs. Salmons Environmental Treats for Crustaceans or Possible Eco-Sustainable Solutions? In *Crustaceans* (pp. 213-224). CRC Press. Pages 213-224
- Lauritano C, Carotenuto Y, Roncalli V, 2021. Glutathione S-Transferases in Marine Copepods. *Journal of Marine Science and Engineering* 9(9), 1025. doi:10.3390/jmse9091025
- Rotolo F, Vitiello V, Pellegrini D, Carotenuto Y, Buttino I, 2021. Historical control data in ecotoxicology: Eight years of tests with the copepod *Acartia tonsa*. *Environmental Pollution* 284:117468. doi:10.1016/j.envpol.2021.117468
- Russo, E., Campos, A. M., d'Ippolito, G., Manzo, E., Carotenuto, Y., Fontana, A., & Nuzzo, G. 2021. Implementation in lipid extraction and analysis from phytoplankton: *Skeletonema marinoi* as case study. *Marine Chemistry*, 232(103964), 103964. doi:10.1016/j.marchem.2021.103964
- Russo E, Lauritano C, d'Ippolito G, Fontana A, Sarno D, von Elert E, ianora A, Carotenuto Y, 2020. RNA-Seq and differential gene expression analysis in *Temora stylifera* copepod females with contrasting non-feeding nauplii survival rates: an environmental transcriptomics study. *BMC Genomics*, 21:693. doi:10.1186/s12864-020-07112-w
- Asai S, Sanges R, Lauritano C, Lindeque PK, Esposito F, Ianora A, Carotenuto Y, 2020. De Novo transcriptome assembly and gene expression profiling of the copepod *Calanus helgolandicus* feeding on the PUA-producing diatom *Skeletonema marinoi*. *Marine Drugs*, 18:392. doi:10.3390/md18080392.

**Ylenia Carotenuto** - *Curriculum vitae*

- Russo, E., d'Ippolito, G., Fontana, A., Sarno, D., D'Alelio, D., Busseni, G., Ianora, A., von Elert, E., Carotenuto, Y. 2020. Density-dependent oxylipin production in natural diatom communities: possible implications for plankton dynamics. *The ISME Journal*, 14:164-177. doi.org/10.1038/s41396-019-0518-5.
- Carotenuto Y., Vitiello V., Gallo A., Libralato G., Trifuoggi M., Toscanesi M., Lofrano G., Esposito F., Buttino I., 2020. Assessment of the relative sensitivity of the copepods *Acartia tonsa* and *Acartia clausi* exposed to sediment-derived elutriates from the Bagnoli-Coroglio industrial area. *Marine Environmental Research*, 155: 104878. doi.org/10.1016/j.marenvres.2020.104878
- Uttieri M., Aguzzi L., Aiese Cigliano R., Amato A., Bojanić N., Brunetta M., Camatti E., Carotenuto Y., Damjanović T., Delpy F., de Olazabal A., Di Capua I., Falcão J., Fernandez de Puellas M. L., Foti G., Garbazy O., Goruppi A., Gubanova A., Hubareva E., Iriarte A., Khanaychenko A., Lučić D., Marques S. C., Mazzocchi M. G., Mikuš J., Minutoli R., Pagano M. Pansera M., Percopo I., Primo A. L., Svetlichny L., Rožić, S., Tirelli V., Uriarte I., Vidjak O., Villate F., Wootton M., Zagami G., Zervoudaki S., 2020. WGEUROBUS – Working Group “Towards a EUROpean OBServatory of the nonindigenous calanoid copepod *Pseudodiaptomus marinus*”, *Biological Invasions*, 22:885-906. doi.org/10.1007/s10530-019-02174-8
- Saha, M., Berdalet, E., Carotenuto, Y., Fink, P., Harder, T., John, U., Not, F., Pohnert, G., Potin, P., Selander, E., Vyverman, W., Wichard, T., Zupo, V., Steinke, M. 2019. Using chemical language to shape future marine health. *Frontiers in Ecology and the Environment*, 17(9):530-537. doi:10.1002/fee.2113.
- Nuzzo, G., Gallo, C., D'Ippolito, G., Manzo, E., Ruocco, N., Russo, E., Carotenuto, Y., Costantini, M., Zupo, V., Sardo, A., Fontana, A. 2019. UPLC–MS/MS Identification of Sterol Sulfates in Marine Diatoms. *Marine Drugs*, 17: 1-10. doi:10.3390/md17010010.
- Russo, E., Ianora, A. and Carotenuto, Y. 2019. Re-shaping marine plankton communities: effects of diatom oxylipins on copepods and beyond. *Marine Biology* 166, 9: 1-12. doi:10.1007/s00227-018-3456-2.
- Amato, A., and Carotenuto, Y. 2018. Planktonic calanoids embark into the 'omics' era. In: *Trends in Copepod Studies - Distribution, Biology and Ecology*, edited by M. Uttieri. New York: Nova Science Publishers, Inc. pp 287-314.
- Zhou, C., Carotenuto, Y., Vitiello, V., Wu, C., Zhang, J., Buttino, I. 2018. De novo transcriptome assembly and differential gene expression analysis of the calanoid copepod *Acartia tonsa*

- exposed to nickel nanoparticles. *Chemosphere*, 209: 163-172.  
doi:10.1016/j.chemosphere.2018.06.096 (Y. C. co-last author). WOS:000442714400020
- Lauritano, C., Romano, G., Roncalli, V., Amoresano, A., Fontanarosa, C., Bastianini, M., Braga, F., Carotenuto, Y., Ianora, A. 2016. New oxylipins produced at the end of a diatom bloom and their effects on copepod reproductive success and gene expression levels. *Harmful Algae*, 55: 221-229. doi:10.1016/j.hal.2016.03.015.
- Ianora, A., Bastianini, M., Carotenuto, Y., Casotti, R., Roncalli, V., Miralto, A., Romano, G., Gerecht, A., Fontana, A., Turner, J.T. 2015. Non-volatile oxylipins can render some diatom blooms more toxic for copepod reproduction. *Harmful Algae*, 44: 1-7.  
doi:10.1016/j.hal.2015.02.003.
- Lauritano, C., Carotenuto, Y., Vitiello, V., Buttino, I., Romano, G., Hwang, J-S., Ianora, A. 2015. Effects of the oxylipin-producing diatom *Skeletonema marinoi* on gene expression levels of the calanoid copepod *Calanus sinicus*. *Marine Genomics*, 24: 89-94.  
doi:10.1016/j.margen.2015.01.007. (Y. C. co-first author).
- Asai, S., Ianora, A., Lauritano, C., Lindeque, P.K., Carotenuto, Y. 2015. High-quality RNA extraction from copepods for Next Generation Sequencing: A comparative study. *Marine Genomics*, 24: 115-118. doi:10.1016/j.margen.2014.12.004.
- Carotenuto, Y., Dattolo, E., Lauritano, C., Pisano, F., Sanges, R., Miralto, A., Procaccini, G., and Ianora, A. 2014. Insights into the transcriptome of the marine copepod *Calanus helgolandicus* feeding on the oxylipin-producing diatom *Skeletonema marinoi*. *Harmful Algae*, 31: 153-162. doi:10.1016/j.hal.2013.11.002.
- Kâ S., Carotenuto, Y., Romano, G., Hwang, J.S., Buttino, I., Ianora, A. 2014. Impact of the diatom-derived polyunsaturated aldehyde 2-trans,4-trans decadienal on the feeding, survivorship and reproductive success of the calanoid copepod *Temora stylifera*. *Marine Environmental Research*, 93: 31-37. doi:10.1016/j.marenvres.2013.07.009.
- Lauritano, C., Carotenuto, Y., Procaccini, G., Turner, J.T., Ianora, A. 2013. Changes in expression of stress genes in copepods feeding upon a non-brevetoxin producing strain of the dinoflagellate *Karenia brevis*. *Harmful Algae*, 28: 23-30. doi:10.1016/j.hal.2013.05.004.
- Gerecht, A., Carotenuto, Y., Ianora, A., Romano, G., Fontana, A., d'Ippolito, G., Jakobsen, H.H., Nejstgaard, J.C. 2013. Oxylipin production during a mesocosm bloom of *Skeletonema marinoi*. *Journal of Experimental Marine Biology and Ecology* 446: 159-165.  
doi:10.1016/j.jembe.2013.05.014.

### **List of other publications (1999-20012)**

- Lauritano, C., Carotenuto, Y., Miralto, A., Procaccini, G., Ianora, A. 2012. Copepod Population-Specific Response to a Toxic Diatom Diet. PLoS ONE, 7(10): e47262. doi:10.1371/journal.pone.0047262.
- Carotenuto, Y., Esposito, F., Pisano, F., Lauritano, C., Perna, M., Miralto, A., Ianora, A. 2012. Multi-generation cultivation of the copepod *Calanus helgolandicus* in a re-circulating system. Journal of Experimental Marine Biology and Ecology 418-419, 46-58. doi:10.1016/j.jembe.2012.03.014.
- Turner, J. T., Roncalli, V., Ciminiello, P., Dell'Aversano, C., Fattorusso, E., Tartaglione, L., Carotenuto, Y., Romano, R., Esposito, F., Miralto, A., Ianora, A. 2012. Biogeographic effects of the Gulf of Mexico red tide dinoflagellate *Karenia brevis* on Mediterranean copepods. Harmful Algae, 16: 63-73. doi:10.1016/j.hal.2012.01.006.
- Lauritano, C., Borra, M., Carotenuto, Y., Biffali, E., Miralto, A., Procaccini, G., Ianora, A. 2011b. Molecular evidence of the toxic effects of diatom diets on gene expression patterns in copepods. PLOS One 6 (10), e26850. doi:10.1371/journal.pone.0026850.
- Lauritano, C., Borra, M., Carotenuto, Y., Biffali, E., Miralto, A., Procaccini, G., Ianora, A. 2011a. First molecular evidence of diatom effects in the copepod *Calanus helgolandicus*. Journal of Experimental Marine Biology and Ecology, 404 (1), 79-86. doi:10.1016/j.jembe.2011.05.009.
- Ianora, A., Romano, G., Carotenuto, Y., Esposito, F., Roncalli, V., Buttino, I., Miralto, A. 2011. Impact of the diatom oxylipin 15S-HEPE on the reproductive success of the copepod *Temora stylifera*. Hydrobiologia, 666 (1): 265-275. doi: 10.1007/s10750-010-0420-7.
- Barreiro, A., Carotenuto, Y., Lamari, N., Esposito, F., D'Ippolito, G., Fontana, A., Romano, G., Ianora, A., Miralto, A., Guisande, C. 2011. Diatom induction of reproductive failure in copepods: The effect of PUAs versus non-volatile oxylipins. Journal of Experimental Marine Biology and Ecology, 401 (1), 13-19. doi: 10.1016/j.jembe.2011.03.007.
- Carotenuto, Y., Ianora, A., Miralto, A. 2011. Maternal and neonate diatom diets impair development and sex differentiation in the copepod *Temora stylifera*. Journal of Experimental Marine Biology and Ecology, 396 (2), 99-107. doi:10.1016/j.jembe.2010.10.012.
- Suffrian, K., Simonelli, P., Nejstgaard, J. C., Putzeys, S., Carotenuto, Y., Antia, A. N. 2008. Microzooplankton grazing and phytoplankton growth in marine mesocosms with increased

- CO<sub>2</sub> levels. *Biogeosciences*, 5: 1145-1156. doi:10.5194/bg-5-1145-2008.  
WOS:000259986400013
- Buttino, I., De Rosa, G., Carotenuto, Y., Mazzella, M., Ianora, A., Esposito, F., Vitiello, V., Quaglia, F., La Rotonda, M. I., Miralto, A. 2008. Aldehyde-encapsulating liposomes impair marine grazer survivorship. *Journal of Experimental Biology*, 211 (9): 1426-1433. doi:10.1242/jeb.015859. WOS:000255155700017
- Carotenuto, Y., Ianora, A., Di Pinto, M., Sarno, D., Miralto, A. 2006. Annual cycle of early developmental stage survival and recruitment in the copepods *Temora stylifera* and *Centropages typicus*. *Marine Ecology Progress Series*, 314: 227-238. doi:10.3354/meps314227. WOS:000238837500020
- Mazzocchi, M.G., Buffoni, G., Carotenuto, Y., Pasquali, S., Ribera d'Alcalà, M. 2006. Effects of food conditions on the development of the population of *Temora stylifera*: A modeling approach. *Journal of Marine System*, 62 (1): 71-84. doi:10.1016/j.jmarsys.2006.04.005. WOS:000240641900007
- Buttino, I., Carotenuto, Y., De Rosa, G., Ianora, A., Quaglia, F., La Rotonda, M.I., Miralto, A. 2006. Detection of fluorescent liposomes in the copepod gut using confocal laser scanning microscope. *Cytometry Part A*, 69 (5): 439-439. doi:10.1002/cyto.a. WOS:000237187700120
- Buttino, I., De Rosa, G., Carotenuto, Y., Ianora, A., Fontana, A., Quaglia, F., La Rotonda, M.I., Miralto, A. 2006. Giant liposomes as delivery system for ecophysiological studies in copepods. *Journal of Experimental Biology*, 209 (5): 801-809. doi:10.1242/jeb.02068. WOS:000236476100012
- Carotenuto, Y., Wichard, T., Pohnert, G., Lampert, W. 2005. Life history responses of *Daphnia pulicaria* to diets containing freshwater diatoms: effects of nutritional quality versus polyunsaturated aldehydes. *Limnology and Oceanography*, 50 (2): 449-454. doi:10.4319/lo.2005.50.2.0449. WOS:000227835200006
- Paffenhöfer, G. A., Ianora, A., Miralto, A., Turner, J. T., Kleppel, G. S., Ribera d'Alcalà, M., Casotti, R., Caldwell, G. S., Pohnert, G., Fontana, A., Muller-Navarra, D C., Jonasdottir, S. H., Armbrust, V., Bamstedt, U., Ban, S., Bentley, M. G., Boersma, M., Bundy, M. H., Buttino, I., Calbet, A., Carlotti, F., Carotenuto, Y., d'Ippolito, G., Frost, B., Guisande, C., Lampert, W., Lee, H. W., Mazza, S., Mazzocchi, G. M., Nejstgaard, J. C., Poulet, S., Romano, G., Smetacek, V., Uye, S., Wakeham, S. G., Watson, S., Wichard, T. 2005. Colloquium on diatom-copepod interactions. *Marine Ecology Progress Series*, 286: 293-305. doi:10.3354/meps286293. WOS:000227440700026



- Carotenuto, Y. and Lampert, W. 2004. Ingestion and incorporation of freshwater diatoms by *Daphnia pulicaria*: do morphology and oxylipin production matter? *Journal of Plankton Research*, 26 (5): 563-569. doi:10.1093/plankt/fbh053. WOS:000221296000006
- Ianora, A., Miralto, A., Poulet, S. A., Carotenuto, Y., Buttino, I., Romano, G., Casotti, R., Pohnert, G., Wichard, T., Colucci-D'Amato, L., Terrazzano, G. and Smetacek, V. 2004b. Aldehyde suppression of copepod recruitment in blooms of a ubiquitous planktonic diatom. *Nature*, 429 (6990): 403-407. doi:10.1038/nature02526. WOS:000221644600036
- Ianora, A., Turner, J. T., Esposito, F., Carotenuto, Y., d'Ippolito, G., Romano, G., Fontana, A., Guisande, C. and Miralto, A. 2004a. Copepod egg production and hatching success is reduced by maternal diets of a non-neurotoxic strain of the dinoflagellate *Alexandrium tamarense*. *Marine Ecology Progress Series*, 280: 199-210. doi:10.3354/meps280199. WOS:000225268500017
- Buttino, I., Ianora, A., Carotenuto, Y., Zupo, V. and Miralto, A. 2003. Use of the confocal laser scanning microscope in studies on the developmental biology of marine crustaceans. *Microscopy Research and Technique*, 60 (4): 458-464. doi: 10.1002/jemt.10284. WOS:000180968400009
- Carotenuto, Y., Ianora, A., Buttino, I., Romano, G. and Miralto, A. 2002. Is postembryonic development in the copepod *Temora stylifera* negatively affected by diatom diets? *Journal of Experimental Marine Ecology and Biology*, 276 (1): 49-66. doi:10.1016/S0022-0981(02)00237-X. WOS:000178012300004
- Guisande, C., Frangopulos, M., Carotenuto, Y., Maneiro, I., Riveiro, I., Vergara, A. R. 2002. Fate of paralytic shellfish poisoning toxins ingested by the copepod *Acartia clausi*. *Marine Ecology Progress Series*, 240: 105-115. doi:10.3354/meps240105. WOS:000178457600011
- Turner, J. T., Ianora, A., Esposito, F., Carotenuto, Y., Miralto, A. 2002. Zooplankton feeding ecology: does a diet of *Phaeocystis* support good copepod grazing, survival, egg production and egg hatching success? *Journal of Plankton Research*, 24 (11): 1185-1195. doi:10.1093/plankt/24.11.1185. WOS:000179038500006
- Laabir, M., Buttino, I., Ianora, A., Kattner, G., Poulet, S. A., Romano, G., Carotenuto, Y., Miralto, A. 2001. Effect of specific dinoflagellate and diatom diets on gamete ultrastructure and fatty acid profiles of the copepod *Temora stylifera*. *Marine Biology*, 138: 1241-1250. doi:10.1007/s002270100547. WOS:000169576700018

Carotenuto, Y. 1999. Morphological analysis of larval stages of *Temora stylifera* (Copepoda, Calanoida) from the Mediterranean Sea. *Journal of Plankton Research*, 21 (9): 1613-1632.  
doi:10.1093/plankt/21.9.1613. WOS:000082691600002