Chiara Lauritano, PhD
Researcher at the Stazione Zoologica Anton Dohrn, Napoli, Italy, since 2018
Marine Biotechnology Department

Education/Training

Institute and Location	Degree *(if applicable)*	Year	Field of Study
University Federico II of Napoli, Italy, Department of Experimental Pharmacology	**M. Sc,**	2008	Pharmaceutical Biotechnologies
University Federico II of Napoli, Italy, Department of Experimental Pharmacology	**B. Sc.**	2006	Biotechnologies
Station Biologique de Roscoff, Roscoff (France)	Visitor Scientist	17th – 29th May 2010	Chemical Ecology; EU FP7 Project ASSEMBLE
Göteborg University, Sven Lovén Centre for Marine Sciences, Kristineberg (Sweden)	Visitor Scientist	23rd May-3rd June 2011	Chemical Ecology; EU FP7 Project ASSEMBLE
University of Calabria, Arcavacata di Rende, Italy	**Ph.D.**	2011	Animal Biology
Stazione Zoologica di Napoli Anton Dohrn, Napoli, Italy	Post-doc	2013-2017	EU FP7 funded PharmaSea project; Chemical Ecology; Marine Biotechnology; Functional Genomics
University of Tromsø, Norway	Visitor Post-doc Scientist	17th February 2015-17th April 2015	Marine Biotechnology; EU FP7 project PharmaSea
Stazione Zoologica di Napoli Anton Dohrn, Napoli, Italy	Temporary Researcher	2017-2018	Marine Biotechnology; Functional Genomics
Stazione Zoologica di Napoli Anton Dohrn, Napoli, Italy	Researcher	2018-now	Marine Biotechnology; Chemical Ecology; Functional Genomics

Scientific expeditions:
-9th of December 2015 to the 3rd of January 2016: Oceanographic cruise on board of the vessel "HESPERIDES" for sampling in Sub-Antartic waters as part of a H2020 EUROFLEET2 project PharmaDeep.
-7th of April 2011-14th of April 2011: Oceanographic cruise on board of the vessel "URANIA".

Grants:
1. **EU FP7 ASSEMBLE Project:** Grant by ASSEMBLE EU Project to perform the project "Molecular investigations of the stress response induced by diatom oxylipins in

the copepod *Calanus helgolandicus*" at the Station Biologique de Roscoff, France, from 17th to 29th May 2010.
2. **EU FP7 ASSEMBLE Project:** Grant by ASSEMBLE EU Project to perform the project "Stress response in the copepods *Calanus helgolandicus* and *Calanus finmarchicus* after feeding on the oxylipin-producing diatom *Skeletonema marinoi*" at the Sven Lovén Centre for Marine Sciences, Kristineberg, Sweden, from 23rd May 2011 to 3rd June 2011.
3. **Grant by COST** (European Cooperation in Science and Technology) to participate in COST Action ES0906: Seagrass productivity: from genes to ecosystem management, performed in Vulcano (Aeolian Island, Italy) on 6-11 May 2013.
4. **H2020 EUROFLEET2** project called "PHARMADEEP, Drug discovery from the deep Antartic waters". The project consisted in an oceanographic cruise on board of the vessel "HESPERIDES" for sampling in Sub-Antarctic between 9th December 2015 and 3rd January 2016. Grant agreement n° 312762.
5. Grant as PI of the project PERTREAT "Peptides and Enzymes from cold-adapted microorganisms foR melanoma and leukemia TREATment" approved by **PNRA** (National Programme of Research in Antarctica), 2021-2023.
6. Grant Transnational Access program of **ASSEMBLE Plus**, application n. 13151, "Microalgal Metabolites For Human Biotechnological Applications" (MICROBIO) 2021.

Number of total ISI publications: 51; H INDEX: 22 (Scholar); CITATIONS: 1559 (26/01/2021)

Other information:
- Tutor of 1 international B.Sc. thesis, 1 international M. Sc. and 2 international PhD thesis, and 3 Post-docs
- Editorial board member of: Frontiers in Marine Science (10/072017-now);
SM Journal of Environmental Toxicology (11/09/2015-now); Journal of Aquaculture and Marine Sciences (2017-now); Journal of Marine Science and Engineering - MDPI (12/09/2018-now); Editor for Marine Drugs special issue "Chemical Defense in Marine Organism" (16/11/2018-31/07/2020); Journal of Dietetics and Food Technology (Nov 2019-now); Editor for International Journal of Molecular Sciences (MDPI) special issue:"Microalgal Molecules and Enzymes" (29/05/2020 - 31/12/2020); Editor for the special issue "Biodiversity, Adaptation Strategies, and Opportunities in Extreme Marine Environments" on Journal of Marine Science and Engineering – MDPI (4/11/2020 – 30/04/2021)
-Reviewer for international journals: PloS One, Marine Genomics, Marine Ecology, Marine drugs, Scientific Reports, Harmful Algae, Journal of Plankton Research, Environmental Toxicology and Pharmacology, Gene Reports, African Journal of Biotechnology, Limnology and Oceanography, Limnology and Oceanography methods, African Journal of Microbiology Research, Journal of Toxicology and Environmental Health, Aquaculture Reports, Endocrinology & Diabetes Case Reports, Journal of Sustainability Science and Management.
-Teaching Activities: Co-organizer and teacher for the PhD course in Marine Biotechnology: "New Perspectives in Marine Biotechnology" lasted 3 days (9-11 December 2020) at Stazione Zoologica Anton Dohrn, Napoli.

Current Research Projects:

- I am currently PI of the project PERTREAT "Peptides and Enzymes from cold-adapted microorganisms foR melanoma and leukemia TREATment" approved by PNRA (National Programme of Research in Antarctica), 2021-2023.
- I am currently participating in the POR project ADVICE: Antitumor Drugs and Vaccines from the Sea (01/01/2019-2022)

Participation In Research Projects

2017-2020: Participation to the EU-H2020-MSCA-ITN-ETN MarPipe training network, also co-supervising the PhD student Kevin Martinez Andrade in this network, with a thesis on "Drug discovery from marine microalgae"

2018-2019: Participation to SZN Premiale project ExPO: Exploring the biotechnological potential of marine organisms".

2017-2019: Participation to the project "Cosmeceuticals And Nutraceuticals From Antarctic Biological REsources (CAN FARE)", approved by PNRA (National Programme of Research in Antarctica).

2017-2018: SZN Flagship project MARCAN the aim of which was to identify new nutraceuticals and cosmeceuticals from marine organisms.

1st February 2013-2017: EU FP7 project PharmaSea: I was responsible for microalgae culturing, genotyping, bioactivity testing, gene expression and transcriptome analyses.

9th of December 2015 to the 3rd of January 2016: H2020 EUROFLEET2 project PharmaDeep: for bioactivity screening of marine organisms collected in Subantarctic waters.

15th March 2012 – 14th March 2014: COST Action ES0906: I was responsible for seagrass sampling, physiological and molecular investigations/analyses.

23rd May 2011- 3rd June 2011: (At the Sven Lovén Centre for Marine Sciences, Kristineberg, Sweden) EU FP7 project ASSEMBLE 3rd call. Chemical ecology studies on microalgae and crustaceans.

17th – 29th May 2010: (At the Station Biologique de Roscoff, France) EU FP7 project ASSEMBLE 1st call. Chemical ecology studies on microalgae and crustaceans.

Publications (ISI):

1. **Lauritano** C.[§], Borra M., Carotenuto Y., Biffali E., Miralto A., Procaccini G., Ianora A. (2011) First molecular evidence of diatom effects in the copepod *Calanus helgolandicus*. **Journal of Experimental Marine Biology and Ecology**, 404(1-2):79-86. [§] **Corresponding author.**

2. **Lauritano** C.[§], Borra M., Carotenuto Y., Biffali E., Miralto A., Procaccini G. and Ianora A. (2011) Molecolar evidence of the toxic effects of diatom diets on gene expression patterns in copepods. **PLoS One**, 6(10):e26850. [§] **Corresponding author.**

3. **Lauritano** C.[§], Procaccini G. and Ianora A. (2012) Gene Expression Patterns and Stress

Response in Marine Copepods. **Marine Environmental Research**, 76:22-31. § **Corresponding author.**

4. Serra I.A.*, **Lauritano** C.*, Dattolo E., Puoti A., Nicastro S., Innocenti A.M., Procaccini G. (2012) Reference genes assessment for the seagrass Posidonia oceanica in different salinity, pH and light conditions. **Marine Ecology**. DOI 10.1007/s00227-012-1907-8 ***First two authors share equal responsibility.**

5. 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 (2012) 46–58.

6. **Lauritano** C.§, Carotenuto Y., Miralto A., Procaccini G. and Ianora A. (2012) Copepod population-specific response to a toxic diatom diet. **PLoS One**, 7(10): e47262. § **Corresponding author.**

7. **Lauritano** C.§, Carotenuto Y, Procaccini G, Turner JT, 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. § **Corresponding author.**

8. 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.

9. Dattolo E., Ruocco M., Brunet C., Lorenti M., **Lauritano** C., D'Esposito D., De Luca P., Sanges R., Mazzuca S., Procaccini G. (2014) Response of the seagrass *Posidonia oceanica* to different light environments: Insights from a combined molecular and photo-physiological study. **Marine Environmental Research**, 101:225-36.

10. Asai S., Ianora A., **Lauritano** C. and 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.

11. **Lauritano** C., Carotenuto Y., Vitiello V., Buttino I., Romano G. Hwang J.S. and Ianora A. (2015) Effects of the oxylipin-producing diatom *Skeletonema marinoi* on gene expression levels in the calanoid copepod *Calanus sinicus*. **Marine Genomics**. pii: S1874-7787(15)00008-2. doi: 10.1016/j.margen.2015.01.007.

12. **Lauritano** C.§, Orefice I., Procaccini G., Romano G., Ianora A. (2015) Key Genes as Stress Indicators in the Ubiquitous Diatom *Skeletonema marinoi*. **BMC Genomics**, 16:411. § **Corresponding author.**

13. Orefice I., **Lauritano** C., Procaccini G., Romano G., Ianora A. (2015) Insights in possible cell-death markers in the diatom *Skeletonema marinoi* in response to senescence and silica starvation. **Marine Genomics**, 24:81-88.

14. **Lauritano** C., Ruocco M., Dattolo E., Buia M.C., Silva J., Santos R., Olivé I., Costa M.M., Procaccini G. (2015) Response of key stress-related genes of the seagrass *Posidonia oceanica* in the vicinity of submarine volcanic vents, **Biogeosciences**, 12:4185–4194.

15. Jeanine L. Olsen, Pierre Rouzé, Bram Verhelst, Yao-Cheng Lin, Till Bayer, Jonas Collen, Emanuela Dattolo, Emanuele De Paoli, Simon Dittami, Florian Maumus, Gurvan Michel, Anna Kersting, **Chiara Lauritano**, Rolf Lohaus, Mats Töpel, Thierry Tonon, Kevin Vanneste, Mojgan Amirebrahimi, Janina Brakel, Christoffer Boström, Mansi Chovatia, Jane Grimwood, Jerry W. Jenkins, Alexander Jüterbock, Amy Mraz, Wytze T. Stam, Hope Tice, Erich Bornberg-Bauer, Pamela J. Green, Gareth A. Pearson, Gabriele Procaccini, Carlos M. Duarte, Jeremy Schmutz, Thorsten B. H. Reusch, & Yves van de Peer. (2016) The genome of the seagrass *Zostera marina* reveals angiosperm adaptation to the sea, **Nature**, 530, 331–335. doi:10.1038/nature16548.

16. **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. [§] **Corresponding author.**

17. **Lauritano C[§],** Ianora A. (2016) Marine Organisms with Anti-diabetes properties. **Marine Drugs.** 14(12): 220. doi: 10.3390/md14120220. [§] **Corresponding author.**

18. **Lauritano** C. [§], Andersen J.H., Hansen E., Albrigtsen M., Escalera L., Esposito F., Helland K., Hanssen K.Ø., Romano G., Ianora A. (2016) Bioactivity screening of microalgae for antioxidant, anti-inflammatory, anticancer, anti-diabetes and antibacterial activities. **Frontiers in Marine Science**. 3, 68. doi: 10.3389/fmars.2016.00068. [§] **Corresponding author.**

19. Romano G., Costantini M., Sansone C., **Lauritano** C., Ruocco N., Ianora A. (2017) Marine microorganisms as a promising and sustainable source of bioactive molecules. **Marine Environmental Research**. 128:58-69. doi: 10.1016/j.marenvres.2016.05.002.

20. Olivè I., Silva J., **Lauritano C**., Costa M.M., Ruocco M., Procaccini G., Santos R. (2017) Linking gene expression to productivity to unravel long- and short-term responses of seagrasses to CO_2 in volcanic vents. **Scientific Reports**. 7: 42278. doi: 10.1038/srep42278.

21. Procaccini G., Ruocco M., Marin-Guirao L., Dattolo E., Brunet C., D'Esposito D., **Lauritano C**., et al. (2017) Depth-specific fluctuations of gene expression and protein abundance modulate the photophysiology in the seagrass *Posidonia oceanica.* **Scientific Reports.** 7:42890. doi: 10.1038/srep42890.

22. Rasmusson L.M.; **Lauritano C** ; Procaccini G.; Gullström M.; Buapet P.; Björk M. (2017) Respiratory oxygen consumption in the seagrass *Zostera marina* varies on a diel basis and is partly affected by light. **Marine Biology.** 164(6): 140. doi: 10.1007/s00227-017-3168-z.

23. **Lauritano** C. [§], De Luca D., Ferrarini A., Avanzato C., Minio A., Esposito F., Ianora A. (2017) De novo transcriptome of the cosmopolitan dinoflagellate *Amphidinium carterae* to

identify enzymes with biotechnological potential. **Scientific Reports.** *7, Article number: 11701. doi:10.1038/s41598-017-12092-1.* § **Corresponding author.**

24. Ravaglioli C., **Lauritano** C. et al. (2017) Nutrient Loading Fosters Seagrass Productivity Under Ocean Acidification. **Scientific Reports.** *7, Article number: 13732. doi:10.1038/s41598-017-14075-8*

25. **Lauritano** C. §, Martín J., de la Cruz M., Reyes F., Romano G., Ianora A. (2018) First identification of marine diatoms with anti-tuberculosis activity. **Scientific Reports.** 8:2284 | DOI:10.1038/s41598-018-20611-x. § **Corresponding author.**

26. Ruocco N, Costantini S, Zupo V, **Lauritano C**., Caramiello D, Ianora A, Budillon A, Romano G, Nuzzo G, D'Ippolito G, Fontana A, Costantini M. (2018) Toxigenic effects of two benthic diatoms upon grazing activity of the sea urchin: morphological, metabolomic and de novo transcriptomic analysis. **Scientific Reports.** 8:5622. doi: 10.1038/s41598-018-24023-9.

27. Brillatz T.*, **Lauritano C**.* §, Jacmin M.*, Khamma S., Marcourt L., Righi D., Romano G., Esposito F., Ianora A., Queiroz E.F., Wolfender J.L. and Crawford A.D. (2018) Zebrafish-based identification of the antiseizure nucleoside inosine from the marine diatom *Skeletonema marinoi*. **PLoS One**. 13:e0196195. doi: 10.1371/journal.pone.0196195. ***First author shared**. § **Corresponding author.**

28. Martinez Andrade K.A., **Lauritano C**., Romano G., Ianora A. (2018) Marine microalgae with anticancer properties. **Marine Drugs**. 16(5). pii: E165. doi: 10.3390/md16050165.

29. Giordano D., Costantini M., Coppola D., **Lauritano C**., Núñez Pons L., Ruocco N., di Prisco G., Ianora A., Verde C. (2018) Biotechnological applications of bioactive peptides from marine sources. **Advanced microbial physiology.** vol. 73, p. 171-220.

30. **Lauritano** C. §, De Luca D., Amoroso M., Benfatto S., Maestri S., Racioppi C., Esposito F., Ianora A. (2019) New molecular insights on the response of green algae to nitrogen starvation. **Scientific Reports**. 9,3336. § **Corresponding author.**

31. **Lauritano, C**.; Ferrante, M.I.; Rogato, A. (2019) Marine Natural Products from Microalgae: An -Omics Overview. **Mar. Drugs**, 17, 269

32. Martínez K.A.*, Lauritano C.*§, Druka D., Romano G., Grohmann T., Jaspars M., Martín J., Díaz C., Cautain B., de la Cruz M., Ianora A., Reyes F. (2019) Amphidinol 22, a new cytotoxic and antifungal amphidinol from the dinoflagellate *Amphidinium carterae*. Marine Drugs. 17(7):385. doi: 10.3390/md17070385. ***First author shared**. § **Corresponding author.**

33. Vingiani G.M., De Luca P., Ianora A., Dobson A., **Lauritano C**.§ (2019) Microalgal Enzymes with Biotechnological Applications. Marine Drugs. 17, 459; doi:10.3390/md17080459. § **Corresponding author.**

34. Riccio G. and **Lauritano C.** [§] Microalgae with immunomodulatory activities (2020) Marine Drugs. 18, 2; doi:10.3390/md18010002..[§] **Corresponding author.**

35. Elagoz A. M., Ambrosino L., **Lauritano** C.[§]. (2020) *De novo* transcriptome of the diatom *Cylindrotheca closterium* identifies genes involved in the metabolism of anti-inflammatory compounds. Scientific Reports. 10:4138 | https://doi.org/10.1038/s41598-020-61007-0. [§] **Corresponding author.**

36. **Lauritano C.** [§], Helland K., Riccio G., Andersen J.H., Ianora A., Hansen E.H. (2020) Lysophosphatidylcholines and Chlorophyll-Derived Molecules from the Diatom Cylindrotheca closterium with Anti-Inflammatory Activity. Mar. Drugs 2020, 18, 166; doi:10.3390/md18030166. [§] **Corresponding author.**

37. **Lauritano C.** *,[§], Martínez K.A.*, Battaglia P., Granata A., de la Cruz M., Cautain B., Martín J., Reyes F., Ianora A., Guglielmo L. (2020) First evidence of anticancer and antimicrobial activity in Mediterranean mesopelagic species. 10, 4929, https://doi.org/10.1038/s41598-020-61515-z. *First author shared. [§] **Corresponding author.**

38. Coppola D., Oliviero M., Vitale G.A., **Lauritano C.**, D'Ambra I., Iannace S., de Pascale D. (2020) Marine collagen from alternative and sustainable sources: extraction, processing and applications. Marine Drugs. 18(4), 214. https://doi.org/10.3390/md18040214.

39. Riccio G., De Luca D., **Lauritano C.** [§] (2020) Monogalactosyldiacylglycerol and sulfolipid synthesis in microalgae. Marine Drugs. 18, 237; doi:10.3390/md18050237 [§] **Corresponding author.**

40. Damiano S, **Lauritano C**, Longobardi C, Andretta E, Elagoz AM, Rapisarda P, Di Iorio M, Florio S, Ciarcia R. (2020) Effects of a Red orange and Lemon Extract in Obese Diabetic Zucker
rats: role of nicotinamide adenine dinucleotide phosphate oxidase. Journal of Clinical Medicine. 9(5), 1600; https://doi.org/10.3390/jcm9051600

41. De Luca D. and **Lauritano C**. [§] (2020) *In silico* identification of type III PKS chalcone and stilbene synthase homologs in marine photosynthetic organisms. Biology. 9, 110; doi:10.3390/biology9050110. [§] **Corresponding author.**

42. Saide A, **Lauritano C**., Ianora A. (2020) "Pheophorbide α: state of the art". Marine Drugs. 18, 257, ISSN: 1660-3397, doi: 10.3390/md18050257 [§] **Corresponding author.**

43. Damiano S., Longobardi C., **Lauritano C.**, Andretta E., Capasso G., Florio S., Ciarcia R. (2020) The Protective Effect Of Red Orange And Lemon Extract (Rle) In Diabetic Obese Zucker Rats Is Related To Its Action On The Nadph Oxidase Subunit. Nephrology Dialysis Transplantation. 35 (Supplement_3), gfaa142. P0988. https://doi.org/10.1093/ndt/gfaa142.P0988.

44. Riccio G., Ruocco N., Mutalipassi M., Costantini M., Zupo V., Coppola D., de Pascale D.,

Lauritano C. § (2020) Ten-year research update review: antiviral activities from marine Organisms. Biomolecules. 10, 1007; doi:10.3390/biom10071007 § **Corresponding author.**

45. Vingiani G.M., Stalberga D., De Luca P., Ianora A., De Luca D., **Lauritano C.** §(2020) De novo transcriptome of the non-saxitoxin producing Alexandrium tamutum reveals new insights on harmful dinoflagellates. Marine Drugs. 18, 386; doi:10.3390/md18080386. § **Corresponding author.**

46. Asai S., Sanges R., **Lauritano C.** et al. (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.

47. D'Ambra I. and **Lauritano** C. (2020) A Review of Toxins from Cnidaria. 18(10), 507; https://doi.org/10.3390/md18100507.

48. Russo E., **Lauritano C.** et al. (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. https://doi.org/10.1186/s12864-020-07112-w

49. **Lauritano C**§, Ianora A. (2020) Chemical Defense in Marine Organisms. Marine Drugs. 18, 518. https://doi.org/10.3390/md18100518. § **Corresponding author**

50. **Lauritano C§,** Roncalli V, Ambrosino L, Cieslak MC, Ianora A. (2020) First De Novo Transcriptome of the Copepod *Rhincalanus gigas* from Antarctic Waters. Biology 9 (11), 410. § **Corresponding author.**

51. **Lauritano C§,** Rizzo C., Lo Giudice A. e Saggiomo M (2020) Physiological and molecular responses to environmental stressors of microalgae and associated bacteria from cold environments. Microorganisms vol. 8, 1957, doi: https://doi.org/10.3390/microorganisms8121957 § **Corresponding author.**

Other Publications (non ISI):

1. Andretta E., Longobardi C., Laselva M., **Lauritano C.,** et al. (2020) Protective effects of new antioxidants in OTA-treated chicken kidney. CADH2020 Sciforum MDPI. Proceedings paper https://sciforum.net/manuscripts/8617/manuscript.pdf

2. Longobardi C., Andretta E., Romano V., **Lauritano C.,** et al. (2020) Effects of some new antioxidants on apoptosis and ROS production in AFB1 treated chickens. CADH2020 Sciforum MDPI. Proceedings paper https://sciforum.net/manuscripts/8640/manuscript.pdf

3. **Lauritano** C. and Ianora A. (**2018**) Grand Challenges in Marine Biotechnology: Overview of recent EU-funded projects in the field, **Springer**.

4. Brillatz T., **Lauritano C.,** et al. (2017). Anticonvulsant Principle Isolation of the Marine Diatom *Skeletonema marinoi*. **Planta Medica International Open**. 4, S01, Mo-PO-68.

5. **Lauritano** C., Bulleri F., Ravaglioli C., Tamburello L., Buia M. C., Procaccini G.. (**2015**) Antioxidant and stress-related genes in the seagrass *Posidonia oceanica* in the vicinity of natural CO2 vents at different nutrient conditions. **PeerJ Journal**. https://dx.doi.org/10.7287/peerj.preprints.1060v1. May 2015.

6. Procaccini G., Dattolo E., **Lauritano** C., Ruocco M., Marín-Guirao L.. (**2015**) *Posidonia oceanica* molecular adaptation to the light environment. **PeerJ Journal**. https://dx.doi.org/10.7287/peerj.preprints.1056v1. May 2015.Ruocco M., Brunet C., Lorenti M.,

7. Dattolo E., **Lauritano** C., Ruocco M., Procaccini G.. (**2015**) Circadian fluctuation of gene expression along a bathymetric cline in the marine angiosperm *Posidonia oceanica*. **PeerJ Journal**. https://dx.doi.org/10.7287/peerj.preprints.1058v1. May 2015.

8. Ruocco M., Brunet C., Lorenti M., **Lauritano** C., D'Esposito D., Riccio M., Procaccini G.. "*Posidonia oceanica* photoadaptation to the depth gradient" **Biol. Mar. Mediterr**. (**2012**), 19 (1): 63-64

9. **Lauritano** C., Carotenuto Y., Procaccini G., Ianora A.. "Changes in the molecular response to the same toxic diatom diet among different *Calanus helgolandicus* populations" **Biol. Mar. Mediterr**. (**2012**), 19 (1): 16-19