

Giovanni Andrea Vitale



Born in Naples (Italy) on 15/08/1991

Tel.: +393383883425

e-mail: giovanniandrea.vitale@szn.it
giovanniandreavitale@gmail.com

Skype : cwgiovanniandreavitale

Current Position: Post Doc.

Supervisor: Dr. Donatella de Pascale
Appointed on project: SECRETED

Affiliation:

Department of Eco-sustainable biotechnology (BlueBio), Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
University, of Naples “Federico II”, Naples, Italy, Faculty of Chemistry Department of Chemical Sciences.	Master’s Degree	2014-2017	Chemical Sciences
University of Campania “Luigi Vanvitelli”, Caserta, Italy. Research conducted at: Institute of Biochemistry and Cell Biology – National Research Council of Italy (IBBC-CNR), Naples, Italy	Ph.D. (Doctor Europaeus)	2017-2020	Biomolecular Sciences
Department of Eco-sustainable biotechnology (BlueBio), Stazione Zoologica Anton Dohrn, Naples, Italy.	Postdoc	2021-2020	Marine natural products

Department of Eco-sustainable biotechnology (BlueBio), Stazione Zoologica Anton Dohrn, Naples, Italy.	Postdoc	2022- Currently employed	Marine natural products
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Appointments and awards

2022: Awarded with the Microbial Resource Research Infrastructure (MIRRI) 2nd TNA call fellowship. Project title: SidMaRAct - Siderophores from Marine Rare Actinobacteria.

2022: Awarded by the Phytochemical Society of Europe (PSE) of a PSE travel bursary on occasion of the congress “Trends in Natural Products Research: A PSE Young Scientists’ Meeting”.

2019: Recipient of the Italian Chemical Society (SCI) fellowship for participating at the 3rd “International Summer School on Natural Products” (ISSNP).

2019: Recipient of the BIOPROSP_19 organising committee fellowship at Europe’s Top Conference in Marine Biotechnology - Bioprospect_19 at University of Tromsø, The Arctic University of Norway.

2019: Awarded with the Assemble Plus 3rd TNA call fellowship. Project title: MEDSEA - Medicine from the sea

2018: Awarded with the Assemble Plus 1st TNA call fellowship. Project title: SEAFOX – Antioxidants from the sea.

Other matters relevant to scientific career

Founder, organizer and chairman of the 1st International Summer School of Blue Biotechnology (ISSBB) at Stazione Zoologica Anton Dohrn, Naples, Italy, September 21-23, 2022.

Publications

Author of 15 publications on ISI-journals

List of publications of the last 10 years:

Journal Papers

Ausuri J, Dell’Anno F, Vitale GA, Palma Esposito F, Funari V, Franci G, Galdiero M, Della Sala G, Tedesco T, Coppola D, and de Pascale D. (2022). Bioremediation of Multiple Heavy Metals Mediated by Antarctic Marine Isolated *Dietzia psychrocaliphila* J11D. *J. Mar. Sci. Eng.* 10(11), 1669

Dell’Anno F, Vitale GA, Buonocore C, Vitale L, Palma Esposito F, Coppola D, Della Sala G, Tedesco T, and de Pascale D. (2022). Novel Insights on Pyoverdine: From Biosynthesis to Biotechnological Application. *Int J Mol Sci.* 23(19), 11507.

Villanova V, Galasso C, Vitale GA, Della Sala G, Engelbrektsson J, Strömberg M, Shaikh KM, Andersson MX, Palma Esposito F, Ekendahl S, de Pascale D, and Spetea C. (2022). Mixotrophy in a Local Strain of *Nannochloropsis granulata* for Renewable High-Value Biomass Production on the West Coast of Sweden. *Marine Drugs.* 20(7), 424.

Della Sala G, Coppola D, Virgili R, Vitale GA, Tanduo V, Teta R, Crocetta F, and de Pascale D. (2022). Untargeted Metabolomics Yields Insights Into the Lipidome of *Botrylloides niger* Herdman, 1886, An Ascidian Invading the Mediterranean Sea. *Frontiers in Marine Sciences.* 9:865751.

- Vasarri M*, Vitale GA*, Varese CV, Barletta E, D'Auria MV, de Pascale D, and Degl'Innocenti D. (2022). Dihydroauroglaucin Isolated from the Mediterranean Sponge *Grantia compressa* Endophyte Marine Fungus *Eurotium chevalieri* Inhibits Migration of Human Neuroblastoma Cells. *Pharmaceutics*, 14(3), 616.
- Palma Esposito F, Giugliano R, Della Sala G, Vitale GA, Buonocore C, Ausuri J, Galasso C, Coppola D, Franci G, Galdiero M, de Pascale D. (2021) Combining OSMAC Approach and Untargeted Metabolomics for the Identification of New Glycolipids with Potent Antiviral Activity Produced by a Marine Rhodococcus. *Int J Mol Sci*. 22(16), 9055.
- Zannella C, Giugliano R, Chianese A, Buonocore C, Vitale GA, Sanna G, Sarno F, Manzin A, Nebbioso A, Termolino P, Altucci L, Galdiero M, de Pascale D, Franci G. (2021). Antiviral Activity of *Vitis vinifera* Leaf Extract against SARS-CoV-2 and HSV-1. *Viruses*. 29,13(7):1263.
- Ausuri J, Vitale GA, Coppola D, Palma Esposito F, Buonocore C, de Pascale D. (2021). Assessment of the Degradation Potential and Genomic Insights towards Phenanthrene by *Dietzia psychrocaliphila* J11D. *Microorganisms*. 19,9(6):1327.
- Tedesco P, Palma Esposito F, Masino A, Vitale GA, Tortorella E, Poli A, Nicolaus B, van Zyl LJ, Trindade M, de Pascale D. (2021). Isolation and Characterization of Strain *Exiguobacterium* sp. KRL4, a Producer of Bioactive Secondary Metabolites from a Tibetan Glacier. *Microorganisms*. 21;9(5):890.
- Funari V, Gomes HI, Coppola D, Vitale GA, Dinelli E, de Pascale D, Rovere M. (2021). Opportunities and threats of selenium supply from unconventional and low-grade ores: A critical review. *Resources, Conservation and Recycling*. 10,170, 105593.
- Vitale GA, Coppola D, Palma Esposito F, Buonocore C, Ausuri J, Tortorella E, de Pascale D. (2020). Antioxidant Molecules from Marine Fungi: Methodologies and Perspectives. *Antioxidants*. 26;9(12):1183.
- Vitale GA, Sciarretta M, Cassiano C, Buonocore C, Festa C, Mazzella V, Núñez Pons L, D'Auria MV, de Pascale D. (2020). Molecular Network and Culture Media Variation Reveal a Complex Metabolic Profile in *Pantoea* cf. *eucria* D2 Associated with an Acidified Marine Sponge. *Int J Mol Sci*. 31;21(17):6307.
- Buonocore C, Tedesco P, Vitale GA, Esposito FP, Giugliano R, Monti MC, D'Auria MV, de Pascale D. (2020). Characterization of a New Mixture of Mono-Rhamnolipids Produced by *Pseudomonas gessardii* Isolated from Edmonson Point (Antarctica). *Marine Drugs*. 20;18(5):269.
- Coppola D, Oliviero M, Vitale GA, Lauritano C, D'Ambra I, Iannace S, de Pascale D. (2020). Marine Collagen from Alternative and Sustainable Sources: Extraction, Processing and Applications. *Marine Drugs*. 15;18(4):214.
- Vitale GA, Sciarretta M, Palma Esposito F, January GG, Giaccio M, Bunk B, Spröer C, Bajerski F, Power D, Festa C, Monti MC, D'Auria MV, de Pascale D. (2020). Genomics-Metabolomics Profiling Disclosed Marine *Vibrio spartinae* 3.6 as a Producer of a New Branched Side Chain Prodigiosin. *J Nat Prod*. 10;83(5):1495-1504.