

PERSONAL INFORMATION



Donatella de Pascale

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🌐 <http://www.ibp.cnr.it/staff-activities/researcher/de-pascale-donatella>

Sex Female | Date of birth 07/08/1967 | Nationality Italy

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR
PERSONAL STATEMENT

AVVISO PER CONFERIMENTO DI INCARICO DI ESPERTO EX ART. 16 DELLA LEGGE 401/1990

WORK EXPERIENCE

01 January 2008- Present

Researcher III Liv- Principal investigator

Institute of Protein Biochemistry- National Research Council, Naples (Italy), Head of Laboratory of Marine Biodiscovery.

Head of the Marine Biodiscovery lab, composed by 1 Post-doc, 4 PhD students, 10 undergraduate students.

01 July 2001 – 01 January 2008

Post Doc position

Institute of Protein Biochemistry- National Research Council, Naples (Italy), in the framework of National Program for Antarctic Research grants.

EDUCATION AND TRAINING

19 January 1998 -19 December
2000

Doctorate – PhD in Applied Biotechnology University of Caserta “Luigi Vanvitelli”

Demonstrate substantial authority, innovation, scholarly and professional integrity and commitment to the development of new ideas or processes at the forefront of work or study contexts including research. Supervisor: Prof. Mose' Rossi, UNINA.

January 1994 – December 1997

Specialisation School in Biotechnology

University of Naples “Federico II”

Three-years diploma with experimental thesis obtained with 50/50 cum Laude focused on Biotechnological Application. Thesis defended on 15 December 1997 Supervisor: Prof. Simonetta Bartolucci, UNINA.

September 1989 – February 1992

Magistral Degree in Biological Science

University of Naples “Federico II”

Magistral degree in Biological Science obtained discussing an experimental thesis on Molecular

Biology, with 110/110 cum LAUDE. Supervisor Prof.ssa Simonetta Bartolucci. Thesis defended on 14 February 1992.

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
University of Cambridge Certification - ESOL Examination					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- good communication skills gained through my experience as teacher at the University over the PhD and seminars and meetings attended

Organisational / managerial skills

- leadership: currently responsible for a team of 15 people among 1 Post-doc, 4 PhD students and 10 undergraduate students
- management of National and International research project: Participation and Coordination of 4 EU FP7 and H2020 projects and 8 National research projects.

Job-related skills

- good command in the evaluation processes due to a large experience as Individual Expert in FP7 and H2020 projects.
- Deep knowledge in project management and project writing, assembling consortia for EU project, idea scouting and SMEs scouting.

Digital skills					SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving					
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user					

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

- good command of office suite (word processor, spread sheet, presentation software)
- good command of photo editing software gained as an amateur photographer

Driving licence Driving licence: B

ADDITIONAL INFORMATION

Projects

2018. Assemble Plus: SEAOX-Antioxidants from the sea. User: Dr Giovanni Andrea Vitale. H2020-Infrastructure GA 730984

2018. Partner in the project: **Genomics for a Blue Economy** (Coordinated by Dr. Giovanna Romano, SZN) – Executive program for Scientific and Technological cooperation between Italy and South Africa for the years 2018-2020. Partner IBP: 10.000 €, total funds: 100.000€.

2017. EMBRIC Transnational Access Programm: Learning from Metagenome: From Culture-independent methods to lab cultivation. User: Dr. Fortunato Palma Esposito

2017. Partner and team leader in H2020- MSCA-RISE- 2018-2021 entitled **NO PROBLEMS - Nourishing PRObiotics to Bees to Mitigate Stressors**. Partner IBP € 40.500,00 Total funds € 346.500,00

2017. Partner and team Leader in the ERA-NET: Marine Biotech II call: “BlueShell: Exploring by-products as sources of Blue bioactivities.” Funded by **MIPAAF** and **NRC** (National Research Council of Norway). Partner IBP € 70.000,00 Total funds € 1.319.000,00.

2017. Partner and Team Leader in the CNR PRONAT project: Isolation and characterization of small molecules as novel bioactive compounds from the sea. Partner IBP € 70.000,00 Total funds € 280.000,00.

2016. Coordinator of H2020-ITN-ETN, 2016-2020 entitled: **MarPipe** – Improving the flow in the pipeline of the next generation of marine biodiscovery scientists. GA n°72142, 11 partners. Partner IBP € 258.061,32 Total funds € 2.853.005,40.

2015. Coordinator of H2020-MSCA-RISE, 2015-2019 entitled: **Ocean Medicines**. GA n° 690944, 9 partners Partner IBP € 49.500,00 Total funds € 373.500,00

2014. Coordinator of the **PNRA 2014-2016** (National Programme of Antarctic Research) project: Genome scanning and characterization of novel antifreeze proteins for industrial application. Partner IBP € 20.000,00 Total funds € 60.000,00.

2014. Partner and Team leader within **PNRA 2014-2016** project: Sea-ice associated methylated osmolytes: biogenesis and contribution to oceanic methane production (SIAMO). Partner IBP € 12.000,00 Total funds € 80.000,00.

2014. Partner and Team leader within **PNRA 2014-2016** project: New drugs for Cystic Fibrosis opportunistic pathogens from Antarctic microorganisms. Partner IBP € 6.000,00 Total funds € 60.000,00.

2014. Partner and Team leader within **PNRA 2014-2016** project: Exploiting Antarctica biotechnological potential: metabolic modelling for optimization of bioactive molecules biosynthesis from Antarctic bacteria. Partner IBP € 6.000,00 Total funds € 120.000,00

2012-2016. Partner and Team Leader (Partner 11) in the **FP7 EU** Project entitled **PharmaSea** in the **KBBE.2012.3.2-01:** Innovative marine biodiscovery pipelines for novel industrial products. 24 partners GA n° 312184 Partner IBP € 433.966,00 Total funds € 9.000.000,00

2011-2013. Project leader of the Cooperation agreement between National Research Council (CNR) and Chinese Academy of Science (CAS) **2011-2013**, entitled: Discovery of new extremozymes for biotechnological applications”.

2009-2011. Partner and Team leader within **PNRA 2009-2011** <PROP09_47> research project: “Omics approaches to unravel biodiversity and evolution of polar microorganisms in view of climate changes and future biotechnological applications.” Partner IBP € 15.000,00 Total funds € 80.000,00

2005-2007. Partner and Team leader of the research group within **PNRA 2005-2007** <MICELI7> research project: “Genomics and Proteomics of the Antarctic ciliate *Euplotes focardii*.” Partner IBP € 15.000,00 Total funds € 80.000,00.

2004-2006. Partner and Team leader within **PNRA 2004-2006** <BRUNIXO> research project: “Antarctic bacteria and cyanobacteria: biodiversity and production of compounds to be potentially exploited in biotechnology.” Partner IBP € 20.000,00 Total funds € 80.000,00.

2002-2003. Partner and Team leader within **PNRA 2002-2003** <BRUNIXO> research project entitled: “Bacteria from Antarctica environment diversity and possible applications.” Partner IBP € 20.000,00 Total funds € 80.000,00.

Invited Presentations at International Meeting and Congresses

Apr 2017, Tenerife (Spain). Invited speaker at the SPRING Session of the European Marine Board, Tenerife 25-26 Aprile, 2017. Invited talk, Dr Donatella de Pascale "Exploitation of marine microorganisms as source of novel drugs"

Feb 2017. Invited Speaker at the General Assembly of the EuroMarine Network: "Exploitation and Legal Aspect in the Marine Genetic and Chemical Resources" Bruxelles 7-8 Feb, 2017.

Nov 2016. Invited Speaker at the 35th European Culture Collections' Organisation Meeting, "The Biodiscovery Pipeline: An integrated omics approach for the discovery of novel bioactive compounds". 2- 4 Nov 2016, Aberdeen, UK.

Jun 2016. Invited Speaker at the Macumba final Conference at the Panel Discussion: The ocean - a treasure chest for future applications? Macumba: Marine Microbioma, Discovery and Innovation, Berlin 27-30 Jun, 2016.

Sept 2015. Invited Speaker at 9th European Congress of Marine Natural Product, "Antimicrobial compounds from Antarctic Bacteria". ECNMP, Glasgow 31 Aug-4 Sept, 2015 Glasgow, UK.

Nov 2012. Invited Speaker at FEMS meeting: Marine Microbiology and Biotechnology: Biodiscovery, Biodiversity and Bioremediation, "Exploring Arctic and Antarctic Frontiers: a source of novel powerful biocatalysts." 12-14 Nov 2012, Cork, Ireland.

Invited Seminars at Universities

May 2016. H2020- RISE-MSCA Project: "Metabolites from Antarctic organisms" Dr. Donatella de Pascale. Milan 22 May, 2016 - University of Milano-Bicocca. Hosted by Prof. Marina Lotti

Apr 2013. University of Milano-Bicocca - Department of Biotechnology and Biosciences "Exploring Antarctic and Arctic frontiers: a source of novel powerful biocatalysts" Milan 22 April, 2013. Hosted by Prof Marina Lotti.

Jan 2012. University of Bergen, Norway: Bioprospecting for enzymes and drugs discovery from Antarctic and Arctic sub-sea sediments. 24 Jan 2012 University of Bergen, hosted by Prof. Ida Stein.

Jan 2012. University of Tromsøe, Norway: Bioprospecting for enzymes and drugs discovery from Antarctic and Arctic sub-sea sediments. 28 Jan 2012 University of Tromsøe, hosted by Prof. Niels Peter Willassen.

Jun 2011. Institute of Microbiology, Chinese Academy of Science, Beijing, China: "Microorganisms from Polar Environments: Bioprospecting out of Biodiversity". 8 June, 2011, hosted by Prof. Yan Mah.

Activity as Evaluator as Independent Expert

2018. Independent **Expert in the Evaluation of BG-08 TOPIC BG-08 : All Atlantic Ocean Research Alliance Flagship, Subtopic [C] : New value chains for aquaculture production**, April 2018, Bruxelles.

2018. Independent **Expert in the EASME/EMFF/2017/1.2.1.12/Strand.1 - Demonstration projects in the "Sustainable Blue Economy"** call for proposals, May 2018, Bruxelles.

2017. Independent **Expert in the EUROSTARS Funding Excellence in Innovation**, 8th cut-off, Oct 2017.

2017. Independent **Expert in the BBI JU Call for Proposals 2017**, Panel S1 and S2, Oct 2017.

2017. Independent **Expert in the H2020 MSCA- Individual fellowship** Env Panel, Oct 2017 Bruxelles.

2016-2017. Independent **Expert** for the "Grandi Progetti R&S – PON 2014/2020" – Agenda Digitale o Industria Sostenibile. MISE, Italy.

2016-2017. Independent **Expert** for the "Bando MISE – FONDO PER LA CRESCITA SOSTENIBILE". MISE, Italy.

2016. Independent **Expert in the H2020 MSCA- Individual fellowship** Env Panel, Nov 2016, Bruxelles.

2016. Independent **Expert** for the executive government agency of **National Science Centre**, Poland, calls for proposal evaluation.

2015. Independent **Expert in the H2020 MSCA-I Individual fellowship** Env Panel, 8-13 Nov 2015, Bruxelles.

2015. Independent **Expert** for the The Chilean Antarctic Institute, INACH, call for proposals for the National Fund for Scientific and Technological Research in Antarctica.

2015. Independent **Expert** for the executive government agency of **National Science Centre**, Poland, calls for proposal evaluation.

Activity as Evaluator as
Independent Expert

2015. Independent **Expert** for the UK-Biotechnology and Biological Sciences Research Council (**BBSRC**) call for proposal.

2014. Independent **Expert** for **Bando MISE, Italian Minister of Economy.**

2014. Independent **Expert in the H2020 Marie S Curie Individual fellowship** Env Panel, 27-31 October 2014, Bruxelles.

2014. Independent **Expert** for the International Cooperation Programme (PCI) of the National Commission for Scientific and Technological Research of the Government of Chile (**CONICYT**).

2014. Independent **Expert** for the UK Biotechnology and Biological Sciences Research Council (**BBSRC**) call for proposal.

2013. Independent **Expert** for the South African Medical Research Council (**MRC**) in the call of South African Medical Research Council for 2013 African Traditional Medicine and Drug Discovery.

2013. Independent **Expert** in the **FP7 EU Marie Curie Actions IF** Evaluation Env Panel, 6-11 October 2013, Bruxelles.

2013. **Member** of the Advisory Board in the CNR Technology Transfer Project: **BIOTTASA**-Department of Biomedicine, CNR, Italy.

2012. **Miur** (Italian Minister of University and Research) of independent **Expert** in the "FIRB giovani 2011" call.

Sept 2017. Cape Town (South Africa). Invited Science Visit at the University of Western Cape and from the South Africa Academia, Prof. Marla Trindade. September 2018.

2011. Visiting scientist in the laboratory of Prof. Yanfen Xue, at the Institute of Microbiology, Chinese Academy of Science, **Beijing, China.** June 2011

2010. Visiting scientist in the laboratory of Prof. Bjarne Landfald at the Norwegian College of Fishery Science, University of Tromsø, **Tromsø, Norway.** May 2010

2004. Participant at XIX **PNRA 2004** Antarctic Expedition, Italian scientific expeditions of PNRA at Terra Nova Bay, Ross Sea, Antarctica. Participant at the "Victoria Land Transect Cruise" on board the R/V Italica. January-March 2004

2003. Participant in the TUNU-II International Programme Expedition in Arctic, on board of R/V Jan Majen in collaboration with the Norwegian College of Fishery Science, University of Tromsø, **Tromsø, Norway.** September-October 2003

2002. Participant in the TUNU-I International Programme expedition in Arctic, on board of R/V Jan Majen in collaboration with the Norwegian College of Fishery Science, University of Tromsø, **Tromsø, Norway.** September-October 2002

1997. Visiting scientist in the laboratory of Prof. R. Ladenstein at the Karolinska Institutet of **Stockholm, Sweden.** November 2007

Visiting Scientist and Participation to
Field Expedition

Honours and awards

2017 Euromarine consortium. Dr Donatella de Pascale has been elected in the **Steering Committee** of the **EuroMarine** Consortium.

2017 INABIO- Instituto Nacional de Biodiversidad Quito, Ecuador. Recognition as Permanent Research Associate

2018 Stazione Zoologica Anton Dohrn: Research Association

Activity as Reviewer

-Dr. Donatella de Pascale is **Associated Editor of Frontiers in Marine Science**.

-Dr. Donatella de Pascale is reviewers for the following peer reviewed journal:

Plos One, BMC microbiology, Journal of Molecular Catalysis: B Enzymatic, Marine Drugs BMC Biotechnology, Extremophiles, International Journal of Molecular Sciences, Scientific Report, Journal of Biotechnology, FEMS Microbiology Ecology, Vaccines, Applied Microbiology and Biotechnology, Biocatalysis and Biotransformation.

Memberships

Dr Donatella de Pascale is member of **SIMGBM** from September 2015.

Meeting Organization

2016. EuroMarine foresight meeting: Exploitation and Legal Aspects in the Marine Genetic and Chemical Resources. April 4-5, 2016. The meeting was funded by EuroMarine Network after winning the "EuroMarine call for proposal, 2015".

Tutoring Activities

Tutoring activities for Master Degree in Biological Science and Medical Biotechnology Faculties.

1. Luca Meoli- Anno accademico 2002-2003

Relatore Prof. Francesco Aniello **Correlatore Dr Donatella de Pascale**

Titolo: Purificazione e caratterizzazione di un enzima lipolitico dal batterio psicrotollerante Antartico *Psychrobacter* sp. TAD1

2. Raffaella Ruggiero – Anno Accademico 2005-2006

Relatore Prof. Francesco Aniello **Correlatore Dr Donatella de Pascale**

Titolo: Espressione e caratterizzazione di un'esterasi dal batterio Antartico *Pseudoalteromonas haloplanktis* TAC125

3. Marco Visone - Anno Accademico 2012-2013

Relatore Prof. Ezio Ricca **Correlatore Dr Donatella de Pascale**

Titolo: Studio dei meccanismi di virulenza di batteri appartenenti al Burkholderia cepacia complex utilizzando il sistema modello *Caenorhabditis elegans*

4. Federica Galati – Anno Accademico 2013-2014

Relatore Prof. Eliodoro Pizzo **Correlatore Dr Donatella de Pascale**

Titolo: Identificazione e caratterizzazione di nuovi microrganismi per la biodegradazione di composti xenobiotici

5. Alessia Di Scala – Anno Accademico 2013-2014

Relatore Prof. Paola Costanzo **Correlatore Dr Donatella de Pascale**

Titolo: Structural and functional insights and biotechnological applications of a new cold-active esterase isolated from *Thalassospira* sp.

6. Emiliania Tortorella – Anno Accademico 2014-2015

Relatore Prof. Ezio Ricca **Correlatore Dr Donatella de Pascale**

Titolo: The antimicrobial potential of marine fungi isolated from the green alga *Flabellia petiolata* to counteract Multi-Drug Resistant bacteria

7. Rosalinda Abatemarco – Anno Accademico 2014-2015

Relatore Prof. Raffaella Pero **Correlatore Dr Donatella de Pascale**

Titolo: Nuove molecole ad attività antielmintica da batteri psicrofilici tibetani

8. Antonio Mondini – Anno Accademico 2014-2015

Relatore Prof. Maria De Falco **Correlatore Dr Donatella de Pascale**

Titolo: L'ambiente marino Antartico come fonte di nuovi composti bioattivi

9. Antonio Masino – Anno Accademico 2015-2016

Relatore Prof. Eliodoro Pizzo **Correlatore Dr Donatella de Pascale**

Titolo: Exploiting the roof of the world: new antimicrobial peptide from Tibetan glaciers

10. Angela Falco – Anno Accademico 2015-2016

Relatore Prof. Eliodoro Pizzo **Correlatore Dr Donatella de Pascale**

Titolo: Exploiting novel bioactive compounds: new antimicrobial isolated marine microbes: the case of a really isolated fungus *Aspergillus proteburus*.

11. Maurizio Capuozzo Tesi Triennale – Anno Accademico 2015 – 2016

Relatore Prof. Marco Guida **Correlatore Dr Donatella de Pascale**

Titolo: Analisi del potenziale antimicrobico di *Shewanella pacifica*.

12. Marianeve Vertolomo – Anno accademico 2016-2017

Relatore: Prof Mario Varcamonti **Correlatore Dr Donatella de Pascale**

Titolo: *Shewanella* spp. As a new source of bioactive compounds

13. Marianna Aurilio - Anno accademico 2016-2017

Relatore: Prof Mario Varcamonti **Correlatore Dr Donatella de Pascale**

Titolo: Biodiscovery of novel antihelmintic compounds from marine bacteria using *Caenorhabditis elegans* as model system

14. Giovanna Santaniello - Anno accademico 2016-2017

Relatore: Prof Mario Varcamonti **Correlatore Dr Donatella de Pascale**

Titolo: Bioactive molecules from sponges-associated microorganisms: purification and structure elucidation of antioxydant compounds

15. Valentina Salvati - Anno accademico 2016-2017

Relatore: Prof Mario Varcamonti **Correlatore Dr Donatella de Pascale**

Titolo: Bioactive compounds from Antarctica: *Shewanella* spp. As source of new antihelmintics, using *C. elegans* as model system

Tutoring activities and supervision of PhD students for the Doctorate school in Biotechnology, University of Naples, and University Luigi Vanvitelli, Caserta

1. Dr. Concetta De Santi - PhD in Industrial Biotechnology, Università "Federico II" di Napoli **Ciclo XXVI**. PhD Thesis defense: Metagenomics of Polar Marine Sediments: Study of Microbial Biodiversity and Isolation of New Biocatalysts for Use in Industrial Processes.

2. Dr. Pietro Tedesco PhD in Industrial Biotechnology, Università "Federico II" di Napoli **Ciclo XXVIII**. PhD Thesis defense: Drug Discovery for new therapeutic targets: Strategies to counteract human pathogens using *Caenorhabditis elegans* and cold-adapted bacteria.

3. Dr. Fortunato Palma Esposito - PhD in Industrial Biotechnology,, Università "Federico II" di Napoli **Ciclo XXX**. PhD Thesis defense: Exploiting marine biodiversity: the potential of uncultivable microorganisms for the identification of novel antimicrobial compounds.

4. Dr. Emiliana Tortorella - PhD in Industrial Biotechnology, Università "Federico II" di Napoli **Ciclo XXXII**. PhD Thesis: Marine Organisms as source of new anti-cancer drugs.

5. Dr Grant Garren January – **H2020 -MSCA – ITN- ETN MarPipe** PhD student, PhD at University Luigi Vanvitelli **Ciclo XXXII**. PhD Thesis: Exploitation of new strains from drug discovery from deep sea sediments

6. Dr Giovanni Andrea Vitale – PhD in Biomolecular Science, University Luigi Vanvitelli, Caserta, **Ciclo XXXIII**. PhD Thesis: Extreme environments as a source of new potential drugs

Peer reviewed Publications with IF

1) Tortorella E, Tedesco P, Palma Esposito F, January GG, Fani R, Jaspars M, **de Pascale D**.

Antibiotics from Deep-Sea Microorganisms: Current Discoveries and Perspectives.

Mar Drugs. 2018 Sep 29;16(10). pii: E355. doi: 10.3390/md16100355. Review, **IF: 4.39**.

2) Chianese G, Esposito FP, Parrot D, Ingham C, **de Pascale D**, Tasdemir D, Linear Aminolipids with Moderate Antimicrobial Activity from the Antarctic Gram-Negative Bacterium *Aequorivita* sp. Mar Drugs. 2018 May 28;16(6). pii: E187. doi: 10.3390/md16060187, **IF: 4.39**.

3) Palma Esposito F, Ingham C, Hurtado-Ortiz R, Bizet C, Tasdemir D, **de Pascale D**. Isolation by Miniaturized Culture Chip of an Antarctic bacterium *Aequorivita* sp. with Antimicrobial and Anthelmintic Activity. Biotechnology Reports, in press 2018 **IF: 3.26**.

4) Tedesco P, Palma Esposito F, Masino A, Tortorella E, Nicolaus B, Joaquim Van Zyl L, Trindade M, de Pascale D Draft genome sequence of *Exiguobacterium* sp. KRL4, producer of bioactive secondary metabolites. Standards in Genomic Sciences, in press 2018 **IF: 1.6**.

5) Corral P, Palma Esposito F, Tedesco P, Falco A, Tortorella E, Tartaglione L, Festa C, D'Auria MC, Gnani G, Varese MC, **de Pascale D**. Identification of a sorbicillinoid-producing *Aspergillus* strain with antimicrobial activity against *Staphylococcus aureus*: a new potential poliextremophilic marine fungus from Barents Sea. Marine Biotechnology 2018 Aug;20(4):502-511. doi: 10.1007/s10126-018-9821-9. **IF: 2.328**

6) Sannino F, Sansone C, Galasso C, Kildgaard S, Tedesco P, Fani R, Marino G, **de Pascale D**, Ianora A, Parrilli E, Larsen TO, Romano G, Tutino ML. Pseudoalteromonas haloplanktis TAC125 produces 4-hydroxybenzoic acid that induces pyroptosis in human A459 lung adenocarcinoma cells. Scientific Report 2018 Jan 19;8(1):1190. doi: 10.1038/s41598-018-19536-2. **IF: 4.122**

- 7) Mocali S, Chiellini C, Fabiani A, Decuzzi S, **de Pascale D**, Parrilli E, Tutino ML, Perrin E, Bosi E, Fondi M, Lo Giudice A, Fani R. Ecology of cold environments: new insights of bacterial metabolic adaptation through an integrated genomic-phenomic approach. *Scientific Report* 2017 Apr 12;7(1):839. doi: 10.1038/s41598-017-00876-4. **IF: 4.122**
- 8) Bosi E, Fondi M, Orlandini V, Perrin E, Maida I, **de Pascale D**, Tutino ML, Parrilli E, Lo Giudice A, Filloux A, Fani R. The pangenome of (Antarctic) *Pseudoalteromonas* bacteria: evolutionary and functional insights. *BMC Genomics*. 2017 Jan 17;18(1):93. doi: 10.1186/s12864-016-3382-y. **IF: 3.73**
- 9) Sannino F, Parrilli E, Apuzzo GA, **de Pascale D**, Tedesco P, Maida I, Perrin E, Fondi M, Fani R, Marino G, Tutino ML. *Pseudoalteromonas haloplanktis* produces methylamine, a volatile compound active against *Burkholderia cepacia* complex strains. *N Biotechnol*. 2017 Mar 25; 35:13-18. doi: 10.1016/j.nbt.2016.10.009. **IF: 3.76**
- 10) Mangiagalli M, Bar-Dolev M, Tedesco P, Natalello A, Kaleda A, Brocca S, **de Pascale D**, Pucciarelli S, Miceli C, Braslavsky I, Lotti M. Cryo-protective effect of an ice-binding protein derived from Antarctic bacteria. *FEBS J*. 2017 Jan;284(1):163-177. doi: 10.1111/febs.13965. **IF: 4.53**
- 11) Sannino F, Giuliani M, Salvatore U, Apuzzo GA, **de Pascale D**, Fani R, Fondi M, Marino G, Tutino ML, Parrilli E. A novel synthetic medium and expression system for subzero growth and recombinant protein production in *Pseudoalteromonas haloplanktis* TAC125. *Appl Microbiol Biotechnol*. 2017 Jan;101(2):725-734. doi: 10.1007/s00253-016-7942-5. **IF: 3.340**
- 12) Presta L, Inzucchi I, Bosi E, Fondi M, Perrin E, Miceli E, Tutino ML, Lo Giudice A, **de Pascale D** and Fani R. Draft genome sequence of *Flavobacterium* sp. Strain TAB 87 able to inhibit the growth of Cystic Fibrosis bacterial pathogens belonging to the *Burkholderia cepacia* complex. 2016 Genome Announcements-Prokaryotes, 2016 May 19;4(3). pii: e00410-16. doi:10.1128/genomeA.00410-16. **IF: 1.18**
- 13) Gnani G, Palma Esposito F, Festa C, Poli A, Tedesco P, Fani R, Monti MC, **de Pascale D**, D'Auria MV, Varese GC. The antimicrobial potential of algicolous marine fungi for counteracting multidrug resistant bacteria: phylogenetic diversity and chemical profiling. 2016 *Research in Microbiology*, Jul-Aug;167(6):492-500. doi: 10.1016/j.resmic.2016.04.009. **IF: 2.11**
- 14) Tedesco P, Maida I, Palma Esposito F, Tortorella E, Subko K, Ezeofor CC, Zhang Y, Tabudravu J, Jaspars M, Fani R and **de Pascale D**. Antimicrobial activity of monoramnholipids produced by bacterial strains isolated from Ross sea (Antarctica). *Mar Drugs*. 2016 Apr 26;14(5). pii: E83. doi: 10.3390/md14050083. **IF: 3.50**
- 15) Jaspars M, **de Pascale D**, Andersen HJ, Reyes F, Crawford AD, Ianora A. The marine biodiscovery pipeline and ocean medicines of tomorrow. 2016 *Journal of Marine Biological Association of the United Kingdom*, 96(1), 151-158. **IF: 1.403**
- 16) De Santi C, Leiros HS, Di Scala A, **de Pascale D**, Altermark B, Willassen NP. Biochemical characterization and structural analysis of a new cold-active and salt-tolerant esterase from the marine bacterium *Thalassospira* sp. *Extremophiles*. 2016 May; 20(3):323-36. doi: 10.1007/s00792-016-0824-z. **IF: 2.23**
- 17) De Santi C, Altermark B, Pierechod MM, Ambrosino L, **de Pascale D**, Willassen NP. Characterization of a cold-active and salt tolerant esterase identified by functional screening of Arctic metagenomic libraries. *BMC Biochem*. 2016 Jan 19;17(1):1. doi: 10.1186/s12858-016-0057. **IF: 1.595**
- 18) De Santi C, Altermark B, **de Pascale D**, Willassen NP. Bioprospecting around Arctic islands: Marine bacteria as rich source of biocatalysts. *J Basic Microbiol*. 2015 Dec 11. doi: 10.1002/jobm.201500505. **IF: 1.585**
- 19) Tedesco P, Visone M, Parrilli E, Tutino ML, Perrin E, Maida I, Fani R, Ballestriero F, Santos R, Pinilla C, Di Schiavi E, Tegos G, **de Pascale D**. Investigating the Role of the Host Multidrug Resistance Associated Protein Transporter Family in *Burkholderia cepacia* Complex Pathogenicity Using a *Caenorhabditis elegans* Infection Model. *PLoS One*. 2015 Nov 20;10(11):e0142883. doi: 10.1371/journal.pone.0142883. **IF: 3.057**
- 20) De Santi C, Ambrosino L, Tedesco P, Zhai L, Zhou C, Xue Y, Ma Y, **de Pascale D**. Identification and characterization of a novel salt-tolerant esterase from a Tibetan glacier metagenomic library. *Biotechnol Prog*. 2015 Apr 28. doi: 10.1002/btpr.2096 **IF: 2.167**
- 21) Maida I, Bosi E, Fondi M, Perrin E, Orlandini V, Papaleo MC, Mengoni A, de Pascale D, Tutino ML, Michaud L, Lo Giudice A and Fani R. Antimicrobial activity of *Pseudoalteromonas* strains isolated from the Ross Sea (Antarctica) vs Cystic Fibrosis opportunistic pathogens. *Hydrobiologia*, 2015 **IF: 2.051**

- 22) F Buonocore, E Randelli, P Trisolino, A Facchiano, **D de Pascale**, G Scapigliati. Molecular characterization and antibacterial activity of a g-type lysozyme from the european sea bass (*Dicentrarchus labrax*). Molecular Immunology, 2014, 62: 10-18. **IF: 2.973**
- 23) De Santi C, Tedesco P, Ambrosino L, Altermark B, Willassen NP, **de Pascale D**. A New Alkaliphilic Cold-Active Esterase from the Psychrophilic Marine Bacterium *Rhodococcus* sp.: Functional and Structural Studies and Biotechnological Potential. Appl Biochem Biotechnol. 2014 Mar 172(6): 3054-3068. **IF: 1.735**
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no IF

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- 4) **de Pascale D**. Exploiting the cold environments: Psychrophilic bacteria as a promising source of novel bioactive compounds. Journal of Biotechnology and Biomaterials 2014, 3:108-109
- 5) Mandrich L. and **de Pascale D**. Microbial marine community as source of hydrolytic enzymes. Study on thermal adaptation of esterases and lipases from marine micro-organisms. 2011 on: The marine environment: Ecology, Management and Conservation. Editor Adam Nemeth, Nova Science Publishers.
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Citations

Dr Donatella de Pascale has published **55** peer reviewed papers on International ISI journals, and **7** peer reviewed papers on International journals without Impact Factor.

Dr Donatella de Pascale has **156.812** as **TOTAL IMPACT FACTOR**.

Dr Donatella de Pascale has reached **1083** citation in total.

Google Scholar h-Index **21**

i-10 Index **31**

Scientific Productivity Index in the last 3 years = **5.7** (17 papers/3years)

Participation in Commission at
IBP-CNR

- Provvedimento di Nomina della COMMISSIONE Bando N. IBPBS072 2014 NA Protocollo N. 0004064 16/09/2014
- Provvedimento di Nomina della COMMISSIONE Bando N. IBPBS-06-2013-NA Protocollo N. 0003239 03/07/2013
- Provvedimento di Nomina della COMMISSIONE Bando N. IBPBS-070-2013-NA Protocollo N. 0003618 24/07/2014
- Provvedimento di Nomina della COMMISSIONE Bando N. IBPBS-09-2015-NA Protocollo N. 0003906 11/12/2015
- Provvedimento di Nomina della COMMISSIONE Bando N. IBPBS-08-2018-NA Protocollo N. 0004806 10/08/2018

Naples 11 October, 2018

Dr Donatella de Pascale



