

Donatella de Pascale



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Current Position: Tecnologo II° livello, Senior Technologist

Current Affiliation:

BlueBiotec Department, Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
University of Naples “Federico II” Biological Science Faculty, Naples, Italy	Biologist (Magistral Degree)	1989-1992	Molecular Biology of Extremophilic bacteria
University of Naples “Federico II” Biological Science Faculty, Naples, Italy	Post-graduate Specialization School in Biotechnology	1994-1997	Biotechnology application of Extremophilic enzymes
University of Campania “Luigi Vanvitelli”, Caserta, Italy	Ph.D. in applied Biotechnology	1998-2000	Biotechnology of Extremophilic microorganisms
Institute of Protein Biochemistry, CNR, Naples Italy	Postdoc	2001-2006	Haemoglobins of Antarctic and Arctic fishes
Institute of Protein Biochemistry, CNR, Naples Italy	Postdoc	2006-2008	Psychrophilic enzymes from Polar microorganisms
Institute of Protein Biochemistry, CNR, Naples Italy	Ricercatore III Level	2008-2019	Secondary metabolites from microorganisms: antimicrobials

Stazione Zoologica Anton Dohrn, Napoli, Italy	1° Tecnologo	2019-present	Biotech application of marine bacteria
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Appointments 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

2016 Dr. Donatella de Pascale is **Associated Editor of Frontiers in Marine Science**.

2019 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

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

Other

2018. Independent Expert in the H2020 MSCA- Individual fellowship Env Panel, Oct 2018 Bruxelles.

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.

- 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.

Visiting Scientist and Participation to Field Expedition

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 Italia. 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

Current Projects

- 2019.** Partner and Team Leader in the CNR PRONAT II project: Isolation and characterization of small molecules as novel bioactive compounds from the sea.
- 2018.** Assemble Plus: SEAUX-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.

2017. EMBRIC Transnational Access Program: 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. www.noproblems.eu

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).

2017. Partner and Team Leader in the CNR PRONAT project: Isolation and characterization of small molecules as novel bioactive compounds from the sea.

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, www.marpipe.eu

2015. Coordinator of H2020-MSCA-RISE, 2015-2019 entitled: Ocean Medicines. GA n° 690944, www.oceanmedicines.eu

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 the winning of “EuroMarine call for proposal, 2015”.

Students’ Supervision

Master students supervisor of 25 students from Biological Science, Biotechnology and Chemistry Faculty

PhD supervisor of eight Ph.D. students (internal supervisor, dir. of studies, external) and four Postdoctoral researchers and fellows (past and present).

Publications

Author of 55 publications on ISI-journals (h index: 22) and 4 book chapter

List of publications of the last 10 years (2009-present):

Peer-reviewed

2019

- Parrilli E, Tedesco P, Fondi M, Tutino ML, Lo Giudice A, de Pascale D, Fani R.

The art of adapting to extreme environments: The model system *Pseudoalteromonas*. *Phys Life Rev.* 2019 Apr 4. pii: S1571-0645(19)30066-1. doi: 10.1016/j.plrev.2019.04.003. **IF: 11.045.**

2018

- 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.**

- 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.**

- 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**.
 - 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**.
 - Corral P, Palma Esposito F, Tedesco P, Falco A, Tortorella E, Tartaglione L, Festa C, D'Auria MC, Gnavi 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**
 - 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**
- 2017**
- 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**
 - 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**
 - 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**
 - 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**
 - 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**
- 2016**
- 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**
 - Gnavi 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**

- 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**

- 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**

- 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**

- 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

2015

- 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**

- 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**

- 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**

- 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**.

- 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**

2014

- 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**

- Fondi M, Orlandini V, Perrin E, Maida I, Bosi E, Papaleo MC, Michaud L, Lo Giudice A, **de Pascale D**, Tutino ML, Liò P, Fani R. Draft genomes of three Antarctic *Psychrobacter* strains producing antimicrobial compounds against *Burkholderia cepacia* complex, opportunistic human pathogens. Mar Genomics. 2014 Feb 13:37-38

IF: 1.792

- I Maida, M Fondi, MC Papaleo, E Perrin, V Orlandini, G Emiliani, **D de Pascale**, E Parrilli, ML Tutino, L Michaud, A Lo Giudice, R Romoli, G Bartolucci, R Fani. Phenotypic and genomic characterization of the Antarctic bacterium *Gillisia* sp. CAL575, a producer of antimicrobial compounds. *Extremophiles* 2014, Jan, 18(1):35-49

IF: 2.306

- V. Orlandini, I. Maida, M Fondi, E Perrin, MC Papaleo, E Bosi, **D. de Pascale**, ML Tutino, L Michaud, A Lo Giudice, R Fani. Genomic analysis of three sponge-associated *Arthrobacter* Antarctic strains, inhibiting the growth of *Burkholderia cepacia* complex bacteria by synthesizing volatile organic compounds. *Microbiology Research* 2014, Jun-Aug 169(7-8) 35-49. **IF: 2.561**

2013

- G. Yang, C. De Santi, D. de Pascale, S. Pucciarelli, S Pucciarelli, C Miceli Structural/functional characterization of the first eukaryotic cold-adapted patatin-like phospholipase from the psychrophilic Antarctic protozoan *Euplotes focardii*: identification of putative determinants of thermal-adaptation. *Biochimie* 2013, Sep;95(9):1795-806. **IF: 3.123**

- R Romoli, MC Papaleo, **D de Pascale**, ML Tutino, L Michaud, A Lo Giudice, R Fani, G Bartolucci. GC-MS Volatolomic Approach to Study the Antimicrobial Activity of the Antarctic Bacterium *Pseudoalteromonas* sp.TB41. *Metabolomics*. 2013 vol. 10, pp. 42-51, ISSN:1573-3882.

IF: 3.511

- Papaleo MC, Romoli R, Bartolucci G, Maida I, Perrin E, Fondi M, Orlandini V, Mengoni A, Emiliani G, Tutino ML, Parrilli E, **de Pascale D**, Michaud L, Lo Giudice A, Fani R.

Bioactive volatile organic compounds from Antarctic (sponges) bacteria. *New Biotechnology* 2013 Apr 22. doi:pii: S1871-6784(13)00044-7. 10.1016/j.nbt.2013.03.011. **IF: 2.106**

2012

- **de Pascale D**, De Santi C, Fu J, Landfald B. The microbial diversity of Polar environments is a fertile ground for bioprospecting. *Marine Genomics*. 2012 Dec; 8:15-22. **IF: 1.339**

- Fondi M, Orlandini V, Maida I, Perrin E, Papaleo MC, Emiliani G, **de Pascale D**, Parrilli E, Tutino ML, Michaud L, Lo Giudice A, Fani R. Draft Genome Sequence of the Volatile Organic Compound-Producing Antarctic Bacterium *Arthrobacter* sp. Strain TB23, Able To Inhibit Cystic Fibrosis Pathogens Belonging to the *Burkholderia cepacia* Complex. *Journal Bacteriology* 2012 Nov;194(22):6334-5. **IF: 3.78**

- Buonocore F, Randelli E, Casani D, Picchietti S, Belardinelli MC, **de Pascale D**, De Santi C, Scapigliati G. A piscidin-like antimicrobial peptide from the icefish *Chionodraco hamatus* (Perciformes: Channichthyidae): Molecular characterization, localization and bactericidal activity. *Fish Shellfish Immunol*. 2012 Nov;33(5):1183-91. **IF: 2.964**

- Fu J, Leiros HK, **de Pascale D**, Johnson KA, Blencke HM, Landfald B. Functional and structural studies of a novel cold-adapted esterase from an Arctic intertidal metagenomic library. *Appl Microbiol Biotechnol*. 2012 May;97(9):3965-78. **IF: 3.99**

- De Santi C, Durante L, Del Vecchio P, Parrilli E, Tutino ML and **de Pascale D**.

Thermal stabilization of psychrophilic enzymes: a case study of the cold-active Hormone-Sensitive Lipase from *Psychrobacter* sp. TA144. *2012 Biotechnology Progress*, Jul; 28 (4):946-52 **IF: 1.853**

- Ascione G, **de Pascale D**, De Santi C, Pedone C, Dathan NA, Monti SM. Native expression and purification of hormone-sensitive lipase from *Psychrobacter* sp. TA144 enhances protein stability and activity. *Biochem Biophys Res Commun*. 2012 420,542-6. **IF: 2.406**

- Mandrich L, De Santi C, **de Pascale D**, Manco G. Effect of low organic solvents concentration on the stability and catalytic activity of HSL-like carboxylesterases: Analysis from psychrophiles to (hyper)thermophiles. *2012 Journal Molecular Catalysis: B enzymatic*, **IF: 2.128**

2011

- Romoli R, Papaleo MC, **de Pascale D**, Tutino ML, Michaud L, LoGiudice A, Fani R, Bartolucci G. Characterization of the volatile profile of Antarctic bacteria by using solid-phase

microextraction-gas chromatography-mass spectrometry. J Mass Spectrom. 2011 46, 1051-9. **IF: 2.112**

- Mandrich L., and **de Pascale D.** An overview on thermal adaptation of esterases and lipases belonging to the HSL family: new insight on the computational analysis. 2011 Current Chemical Biology 5, 17-28 **IF: 2.75**

2010

- De Santi C, Tutino ML, Mandrich L, Giuliani M, Parrilli E, Del Vecchio P, **de Pascale D.** The hormone-sensitive lipase from *Psychrobacter* sp. TA144: New insight in the structural/functional characterization. 2010 Biochimie. Aug;92(8):949-57. **IF: 3.878**

- **D. de Pascale**, M. Giuliani, C. De Santi, N. Bergamasco, A. Amoresano, A. Carpentieri, E. Parrilli and M.L. Tutino. PhAP protease from *Pseudoalteromonas haloplanktis* TAC125: gene cloning, recombinant production in *E. coli* and enzyme characterization. 2010 Polar Science, 4 285-294. **IF: 1.12**

- Tutino M.L., Parrilli E., De Santi C., Giuliani M., Marino G., **de Pascale D.** Cold-Adapted Esterases and Lipases: A Biodiversity Still Under-Exploited. 2010 Current Chemical Biology. 4; 74-83. **IF: 2.75**

2009

- Tutino ML, di Prisco G, Marino G, **de Pascale D.** Cold-adapted esterases and lipases: from fundamentals to application. 2009. Protein Pept Lett. 16(10); 1172-1180. **IF: 1.95**

Book chapters

- **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

- 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.

- Verde C, Parisi E, **de Pascale D**, Riccio A, di Prisco G. The haemoglobin system of the Arctic spotted wolffish *Anarhichas minor*. Comparison of northern and southern polar marine environments. 2003 Proceedings of the SCAR 8Th Backhuys Publishers, Leiden, The Netherlands 187-192.

- Bartolucci S, **de Pascale D**, Rossi M. The disulfure oxidoreductase protein from *Pyrococcus furiosus*. 2001 Methods in Enzymology. 334; 62-73.