

DR SEVERINA PACIFICO, PHD

GENERAL INFORMATION

Severina, Pacifico; Born in Caserta, Italy 16.09.1977, married, three daughters

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Affiliation: Department of Environmental Biological and Pharmaceutical Sciences and Technologies, University of Campania Luigi Vanvitelli

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CURRENT POSITION

2018 Associate Professor of Food Chemistry at University of Campania Luigi Vanvitelli, Italy.

2010/17 Permanent Researcher of Organic Chemistry at University of Campania Luigi Vanvitelli, Italy. (Career Breaks 27/11/2012- 27/04/2013, Maternity)

EDUCATION

2003 Degree with distinction in Biological Sciences, University of Campania Luigi Vanvitelli, Italy.

2003/07 PhD in Computational Biology, University of Campania Luigi Vanvitelli, Italy. Thesis in Organic Chemistry entitled "Tecniche spettroscopiche e di *molecular modelling* per la caratterizzazione di metaboliti biologicamente attivi da *Carex distachya* Desf."

TEACHING ACTIVITIES

2018 Food Chemistry - Food and Nutrition Science Degree Course (DC)

From 2014/15 to 2017/18 Phytochemistry & Pharmacognosy for Pharmacy DC

From 2012/13 to 2017/18 Organic Chemistry II for Pharmacy DC

From 2012/13 to 2013/14 Pharmacognosy for Pharmacy DC

From 2009/10 to 2011/12 Pharmacognosy & Phytochemistry for Pharmacy DC

From 2008/09 to 2009/10 Natural Products Chemistry for Biology Bachelor course

RESEARCH ACTIVITY

Dr. Pacifico's research activity resulted in *91 publications* (in international peer reviewed refereed journals), *4 chapters* in international books, and communications in national and international conferences. The research interest, in the field of Natural Products and Food Chemistry primarily aims to 1) the phytochemical study of medicinal and/or edible plants; 2) the chemical characterization of secondary metabolites by spectroscopic (UV, IR, NMR) and spectrometric techniques; 3) LC-MS/MS metabolic profiling and fingerprinting of natural

extracts; 4) the evaluation of antioxidant, chemopreventive and neuroprotective properties of natural products (phytochemicals and secondary metabolites therein).

EDITORIAL WORK

- From 2016 Member of Editorial Board of *Food Research International* (Elsevier, ISSN 0963-9969)
<http://www.journals.elsevier.com/food-research-international/editorial-board>
- 2010/18 Peer reviewer for the following peer-reviewed international journals *African Journal of Pharmacy and Pharmacology, Biotechnology and Biomaterials, Biotechnology and Bioprocess Engineering, Chemical Engineering Research and Design, European Journal of Nutraceuticals & Functional Foods, Food Science e Technology International, Nutrition, Food Research International, Food Chemical and Toxicology, Journal of Human and Ecological Risk Assessment, Journal of Cytology & Histology, Journal of Biomedical Materials Research: Part A, Journal of Agricultural and Food Chemistry, Food and Bioproducts Processing, Toxicological & Environmental Chemistry, Molecules, Plants, Plants Food for Human Nutrition, International Journal of Preventive Medicine, Food Chemistry, NeuroChemistry International, Journal of Functional Foods*
- 2015 Peer reviewer for the evaluation of a research project for the Israeli Ministry of Science, Technology and Space
- 2010 Peer reviewer for the evaluation of a research project in the context of “2010 Regular Research Funding Competition” of the Chilean “National Fund for Scientific and Technological Development (FONDECYT)”.

LIST OF PUBLICATIONS FROM 2005 TO 2018

*corresponding author, † co-first authorship

Impact Factor (IF) come da Web Of Science (WoS)

1. Catauro, M., Tranquillo, E., Barrino, F., **Pacifico, S.** Sol-gel processing for new silica based materials functionalized with chlorogenic acid. AIP Conference Proceedings **1981**, 020009, 2018.
2. **Pacifico, S.**,* Galasso, S., Piccolella, S., Kretschmer, N., Pan, S.-P., Nocera, P., Lettieri, A., Bauer, R., Monaco, P. Winter wild fennel leaves as a source of anti-inflammatory and antioxidant polyphenols. *Arabian Journal of Chemistry* **11**, 513-524, 2018. IF 4.553
3. Piccolella, S., Crescente, G., Nocera, P., Pacifico, F., Manti, L., **Pacifico, S.** Ultrasound-assisted aqueous extraction, LC-MS/MS analysis and radiomodulating capability of autochthonous Italian sweet cherry fruits. *Food & Function* **9**, 1840-1849, 2018. IF 3.24
4. Crescente, G., Piccolella, S., Esposito, A., Scognamiglio, M., Fiorentino, A., **Pacifico, S.*** Chemical composition and nutraceutical properties of hempseed: an ancient food with actual functional value. *Phytochemistry Reviews*, 2018, article in press. DOI: 10.1007/s11101-018-9556-2. IF 3.393
5. Piccolella, S., Crescente, G., Pacifico, F., **Pacifico, S.** Wild aromatic plants bioactivity: a function of their (poly)phenol seasonality? A case study from Mediterranean area. *Phytochemistry Reviews*, 2018, article in press. DOI: 10.1007/s11101-018-9558-0. IF 3.393
6. Antonelli, A., **Pacifico, S.**, Sfara, C., Tamma, M., Magnani, M. Ferucarbotran-loaded red blood cells as long circulating MRI contrast agents: first in vivo results in mice. *Nanomedicine (Lond)*. **13**, 675-687, 2018. IF 4.757
7. **Pacifico, S.**,* Piccolella, S., Lettieri, A., Nocera, P., Bollino, F., Catauro, M. A metabolic profiling approach to an Italian sage leaf extract (SoA541) defines its antioxidant and antiacetylcholinesterase properties. *Journal of Functional Foods*, **29**, 1-9, 2017. IF 3.144

8. Landi, N., **Pacifico, S.**,[†] Ragucci, S., Iglesias, R., Piccolella, S., Amici, A., Di Giuseppe, A.M.A., Di Maro, A. Purification, characterization and cytotoxicity assessment of Ageritin: the first ribotoxin from the basidiomycete mushroom *Agrocybe aegerita*. *Biochimica et Biophysica Acta - General Subjects* 1861, 1113-1121, 2017. IF 4.702
9. Landi, N., **Pacifico, S.**, Ragucci, S., Di Giuseppe, A.M.A., Iannuzzi, F., Zarrelli, A., Piccolella, S., Di Maro, A. Pioppino mushroom in southern Italy: an undervalued source of nutrients and bioactive compounds. *Journal of the Science of Food and Agriculture* 97, 5388-5397, 2017. IF 2.463
10. Ricciardi, V., Portaccio, M., Piccolella, S., Manti, L., **Pacifico, S.**, Lepore, M. Study of SH-SY5Y cancer cell response to treatment with polyphenol extracts using FT-IR spectroscopy. *Biosensors* 7, Article number 57, 2017.
11. **Pacifico, S.**,* Piccolella, S., Nocera, P., Tranquillo, E., Dal Poggetto, F., Catauro, M. Steviol glycosides content in cultivated *Stevia rebaudiana* Bertoni: A new sweet expectation from the Campania region (Italy). *Journal of Food Composition and Analysis* 63, 111-120, 2017. IF 2.752
12. Catauro, M., **Pacifico, S.** Synthesis of bioactive chlorogenic acid-silica hybrid materials via the sol gel route and evaluation of their biocompatibility. *Materials* 10, Article number 840, 2017. IF 2.654
13. Woodrow, P., Ciarmiello, L.F., Annunziata, M.G., **Pacifico, S.**, Iannuzzi, F., Mirto, A., D'Amelia, L., Dell'Aversana, E., Piccolella, S., Fuggi, A., Carillo, P. Durum wheat seedling responses to simultaneous high light and salinity involve a fine reconfiguration of amino acids and carbohydrate metabolism. *Physiologia Plantarum*, 159, 290-312, 2017. IF 3.33
14. **Pacifico, S.**,* Piccolella, S., Galasso, S., Fiorentino, A., Kretschmer, N., Pan, S.-P., Bauer, R., Monaco, P. Influence of harvest season on chemical composition and bioactivity of wild rue plant hydroalcoholic extracts. *Food and Chemical Toxicology*, 90, 102-111, 2016. IF 3.778
15. Catauro, M., Bollino, F., Nocera, P., Piccolella, S., **Pacifico, S.** Entrapping quercetin in silica/polyethylene glycol hybrid materials: chemical characterization and biocompatibility. *Materials Science and Engineering C*, 68, 205-212, 2016. IF 4.164
16. Piccolella, S., Nocera, P., Carillo, P., Woodrow, P., Greco, V., Manti, L., Fiorentino, A., **Pacifico, S.*** An apolar *Pistacia lentiscus* L. leaf extract: GC-MS metabolic profiling and evaluation of cytotoxicity and apoptosis inducing effects on SH-SY5Y and SK-N-BE(2)C cell lines. *Food and Chemical Toxicology*, 95, 64-74, 2016. IF 3.778
17. Catauro, M., Bollino, F., Papale, F., Piccolella, S., **Pacifico, S.** Sol-gel synthesis and characterization of SiO₂/PCL hybrid materials containing quercetin as new materials for antioxidant implants. *Materials Science and Engineering C*, 58, 945-952, 2016. IF 4.164
18. **Pacifico, S.**,* Piccolella, S., Papale, F., Nocera, P., Lettieri, A., Catauro, M. A polyphenol complex from *Thymus vulgaris* L. plants cultivated in the Campania Region (Italy): New perspectives against neuroblastoma. *Journal of Functional Foods*, 20, 253-266, 2016. IF 3.144
19. Pontieri, P., Del Giudice, F., Dimitrov, M.D., Pesheva, M.G., Venkov, P.V., Di Maro, A., **Pacifico, S.**, Gadgil, P., Herald, T.J., Tuinstra, M.R., Pizzolante, G., Romano, R., Alifano, P., Del Giudice, L. Measurement of biological antioxidant activity of seven food-grade sorghum hybrids grown in a Mediterranean environment. *Australian Journal of Crop Science*, 10, 904-910, 2016. IF 1.632
20. Rocco, L., Mottola, F., Santonastaso, M., Saputo, V., Cusano, E., Costagliola, D., Suero, T., **Pacifico, S.**, Stingo, V. Anti-genotoxic ability of α -tocopherol and Anthocyanin to counteract fish DNA damage induced by musk xylene. *Ecotoxicology*, 24, 2026-2035, 2015. IF 1.951
21. Brahmi, N., Scognamiglio, M., **Pacifico, S.**,* Mekhoukhe, A., Madani, K., Fiorentino, A., Monaco, P. ¹H NMR based metabolic profiling of eleven Algerian aromatic plants and evaluation of their antioxidant and cytotoxic properties. *Food Research International* 76, 334-341, 2015. IF 3.086
22. Faramarzi, S., **Pacifico, S.**,* Yadollahi, A., Lettieri, A., Nocera, P., Piccolella, S. Red-fleshed Apples: Old Autochthonous Fruits as a Novel Source of Anthocyanin Antioxidants. *Plant Foods for Human Nutrition*, 70, 324-330, 2015. IF 2.368
23. Catauro, M., Papale, F., Bollino, F., Piccolella, S., Marciano, S., Galasso, S., **Pacifico, S.** Silica/quercetin sol-gel hybrids as antioxidant dental implant materials. *Science and Technology of Advanced Materials*, 16, 3, Article number 035001, 2015. IF 3.798
24. Catauro, M., Bollino, F., Papale, F., **Pacifico, S.** Modulation of indomethacin release from ZrO₂/PCL hybrid multilayers synthesized via sol-gel dip coating. *Journal of Drug Delivery Science and Technology*, 26, 10-16, 2015. IF 1.194

25. **Pacifico, S.,*** Galasso, S., Piccolella, S., Kretschmer, N., Pan, S.-P., Marciano, S., Bauer, R., Monaco, P. Seasonal variation in phenolic composition and antioxidant and anti-inflammatory activities of *Calamintha nepeta* (L.) Savi. *Food Research International* 69, 121–132, 2015. IF 3.086
26. Catauro, M., Bollino, F., Papale, F., Marciano, S., **Pacifico, S.** Influence of the polymer amount on bioactivity and biocompatibility of SiO₂/PEG hybrid materials synthesized by sol-gel technique. *Materials Science and Engineering C Materials for Biological Applications* 48, 548-555, 2015. IF 4.164
27. Rocco, L., Santonastaso, M., Mottola, F., Costagliola, D., Suero, T., **Pacifico, S.,** Stingo, V. Genotoxicity assessment of TiO₂ nanoparticles in the teleost *Danio rerio*. *Ecotoxicology and Environmental Safety* 113, 223-230, 2015. IF 3.743
28. Catauro, M., Bollino, F., Papale, F., Marciano, S., **Pacifico, S.** TiO₂/PCL hybrid materials synthesized via sol-gel technique for biomedical applications. *Materials Science and Engineering C Materials for Biological Applications* 47, 135-141, 2015. IF 4.164
29. Landi, N., **Pacifico, S.,**[†] Piccolella, S., Di Giuseppe, A.M.A., Mezzacapo, M.C., Ragucci, S., Iannuzzi, F., Zarrelli, A., Di Maro, A. Valle Agricola lentil, an unknown lentil (*Lens culinaris* Medik.) seed from Southern Italy as a novel antioxidant and prebiotic source. *Food & Function*, 6, 3155-3164, 2015. IF 3.247
30. **Pacifico, S.,*** Piccolella, S., Marciano, S., Galasso, S., Nocera, P., Piscopo, V., Fiorentino, A., Monaco, P. LC-MS/MS profiling of a mastic leaf polyphenol enriched extract and its effects on H₂O₂ and Aβ(25-35) oxidative injury in SK-B-NE(C)-2 cells. *Journal of Agricultural and Food Chemistry* 62, 11957-11966, 2014. IF 3.154
31. Galasso, S., **Pacifico, S.,*** Kretschmer, N., Pan, S.-P., Marciano, S., Piccolella, S., Monaco, P., Bauer, R. Influence of seasonal variation on *Thymus longicaulis* C. Presl. chemical composition and its antioxidant and anti-inflammatory properties. *Phytochemistry* 107, 80-90, 2014. IF 3.205
32. Scognamiglio, M., Nicoletti, R., **Pacifico, S.,** D'Abrosca, B., Fiorentino, A. Spectroscopic characterization of a pyridine alkaloid from an endophytic strain of the *Fusarium incarnatum-equiseti* Species Complex. *Current Bioactive Compounds* 10, 1-5, 2014.
33. **Pacifico, S.,*** Di Maro, A., Petriccione, M., Galasso, S., Piccolella, S., Di Giuseppe, A.M.A., Scortichini, M., Monaco, P. Chemical composition, nutritional value and antioxidant properties of autochthonous *Prunus avium* cultivars from Campania Region. *Food Research International* 64, 188–199, 2014. IF 3.086
34. **Pacifico, S.,*** Gallicchio, M., Lorenz, P., Duckstein, S.M., Potenza, N., Galasso, S., Marciano, S., Fiorentino, A., Stintzing, F.C., Monaco, P. Neuroprotective potential of *Laurus nobilis* antioxidant polyphenolenriched leaf extracts. *Chemical Research in Toxicology* 27, 611-26, 2014. IF 3.278
35. Catauro, M., Bollino, F., Papale, F., Gallicchio, M., **Pacifico, S.** Biological evaluation of Zirconia/PEG hybrid materials synthesized via sol-gel technique. *Materials Science & Engineering C-Materials For Biological Applications* 40, 253-259, 2014. IF 4.164
36. Faramarzi, S., Yadollahi, A., Sadraei, K., **Pacifico, S.,** Jemrić, T. Comparison of phenolic compounds and antioxidant activity between some native iranian apples and standard cultivar 'Gala'. *Journal of Agricultural Science and Technology* 16, 1601-1611, 2014. IF 0.813
37. Catauro, M., Bollino, F., Papale, F., Gallicchio, M., **Pacifico, S.** Synthesis and chemical characterization of new silica polyethylene glycol hybrid nanocomposite materials for controlled drug delivery. *Journal of Drug Delivery Science and Technology* 24, 320-325, 2014. IF 1.194
38. Catauro, M., Bollino, F., Papale, F., **Pacifico, S.,** Galasso, S., Ferrara, C., Mustarelli, P. Synthesis of zirconia/polyethylene glycol hybrid materials by sol-gel processing and connections between structure and release kinetic of indomethacin. *Drug Delivery* 21(8), 595-604, 2014. IF 6.402
39. **Pacifico, S.,*** Gallicchio, M., Lorenz, P., Potenza, N., Galasso, S., Marciano, S., Fiorentino, A., Stintzing, F.C., Monaco, P. Apolar *Laurus nobilis* leaf extracts induce cytotoxicity and apoptosis towards three nervous system cell lines. *Food and Chemical Toxicology* 62, 628-637, 2013. IF 3.778
40. D'Abrosca, B., Buommino, E., D'Angelo, G., Coretti, L., Scognamiglio, M., Severino, V., **Pacifico, S.,** Donnarumma, G., Fiorentino, A. Spectroscopic identification and anti-biofilm properties of polar metabolites from the medicinal plant *Helichrysum italicum* against *Pseudomonas aeruginosa*. *Bioorganic & Medicinal Chemistry* 21, 7038-7046, 2013. IF 2.93

41. Scognamiglio, M., D'Abrosca, B., Esposito, A., **Pacifico, S.**, Monaco, P., Fiorentino, A. Plant growth inhibitors: allelopathic role or phytotoxic effects? Focus on Mediterranean biomes. *Phytochemistry Reviews* 12, 803-830, 2013. IF 3.393
42. D'Abrosca, B., **Pacifico, S.**, Scognamiglio, M., D'Angelo, G., Galasso, S., Monaco, P., Fiorentino, A. A new acylated flavone glycoside with antioxidant and radical scavenging activities from *Teucrium polium* leaves. *Natural Product Research* 27(4-5), 356-363, 2013. IF 1.828
43. D'Abrosca, B., **Pacifico, S.**, Scognamiglio, M., Tsafantakis, N., Pagliari, E., Monaco, P., Fiorentino, A. Petrorrhagiosides A - D, new γ -pyrone derivatives from *Petrorhagia saxifraga*. *Helvetica Chimica Acta* 96(7) 1273-1280, 2013. IF 1.071
44. Gaglione, M., Malgieri, G., **Pacifico, S.**, Severino, V., D'Abrosca, B., Russo, L., Fiorentino, A., Messere, A. Synthesis and biological properties of caffeic acid-PNA dimers containing guanine. *Molecules* 18(8), 9147-9162, 2013. IF 2.861
45. Di Maro, A., **Pacifico, S.**,* Fiorentino, A., Galasso, S., Gallicchio, M., Guida, V., Severino, V., Monaco, P., Parente, A. Raviscanina wild asparagus (*Asparagus acutifolius* L.): a nutritionally valuable crop with antioxidant and antiproliferative properties. *Food Research International* 53(1), 180-188, 2013. IF 3.08
46. **Pacifico, S.**, D'Abrosca, B., Scognamiglio, M., Gallicchio, M., Galasso, S., Monaco, P., Fiorentino, A. Antioxidant polyphenolic constituents of *Vitis x labruscana* cv. 'Isabella'. *Open Natural Products Journal* 6(1), 5-11, 2013.
47. **Pacifico, S.**,* Gallicchio, M., Fiorentino, A., Fischer, A., Meyer, U., Stintzing, F.C. Antioxidant properties and cytotoxic effects on human cancer cell lines of aqueous fermented and lipophilic Quince (*Cydonia oblonga* Mill.) preparations. *Food and Chemical Toxicology* 50, 4130-4135, 2012. IF 3.778
48. Scognamiglio, M., D'Abrosca, B., Fiumano, V., Chambery, A., Severino, V., Tsafantakis, N., **Pacifico, S.**, Esposito, A., Fiorentino, A. Oleanane saponins from *Bellis sylvestris* Cyr. and evaluation of their phytotoxicity on *Aegilops geniculata* Roth. *Phytochemistry* 84, 125-134, 2012. IF 3.205
49. **Pacifico, S.**, D'Abrosca, B., Scognamiglio, M., D'Angelo, G., Gallicchio, M., Galasso, S., Monaco, P., Fiorentino, A. NMR-based metabolic profiling and in vitro antioxidant and hepatotoxic assessment of partially purified fractions from golden germander (*Teucrium polium* L.) methanolic extract. *Food Chemistry* 135, 1957-1967, 2012. IF 4.529
50. Scognamiglio, M., Esposito, A., D'Abrosca, B., **Pacifico, S.**, Fiumano, V., Tsafantakis, N., Monaco, P., Fiorentino, A. Isolation, distribution and allelopathic effect of caffeic acid derivatives from *Bellis perennis* L. *Biochemical Systematics and Ecology* 43, 108-113, 2012. IF 0.929
51. D'Abrosca, B., **Pacifico, S.**, Scognamiglio, M., Tsafantakis, N., Messere, A., Monaco, P., Fiorentino, A. A new glucosylated cinnamoyl glycerol from aerial parts of *Phleum subulatum*. *Biochemical Systematics and Ecology* 42, 79-82, 2012. IF 0.929
52. Tamburino, R., Guida, V., **Pacifico, S.**, Rocco, M., Zarrelli, A., Parente, A., Di Maro, A. Nutritional values and radical scavenging capacities of grass pea (*Lathyrus sativus* L.) seeds in Valle agricola district, Italy. *Australian Journal of Crop Science* 6, 149-156, 2012. IF 1.632
53. Scognamiglio, M., Fiumano, V., D'Abrosca, B., **Pacifico, S.**, Messere, A., Esposito, A., Fiorentino, A. Allelopathic potential of alkylphenols from *Dactylis glomerata* subsp. *hispanica* (Roth) Nyman. *Phytochemistry Letters* 5, 206-210, 2012. IF 1.418
54. Scognamiglio, M., D'Abrosca, B., **Pacifico, S.**, Fiumano, V., De Luca, P., Monaco, P., Fiorentino, A. Polyphenol characterization and antioxidant evaluation of *Olea europaea* varieties cultivated in Cilento National Park (Italy). *Food Research International* 46, 294-303, 2012. IF 3.086
55. Scognamiglio, M., D'Abrosca, B., **Pacifico, S.**, Isidori, M., Esposito, A., Fiorentino, A. Mediterranean wild plants as useful sources of potential natural food additives. *ACS Symposium Series* 1093, 209-235, 2012. IF 0.566
56. Fiorentino, A., D'Abrosca, B., **Pacifico, S.**, Scognamiglio, M., D'Angelo, G., Gallicchio, M., Chambery, A., Monaco, P. Structure elucidation and hepatotoxicity evaluation against HepG2 human cells of neo-clerodane diterpenes from *Teucrium polium* L. *Phytochemistry* 72, 2037-2044, 2011. IF 3.205
57. **Pacifico, S.**,* D'Abrosca, B., Scognamiglio, M., Gallicchio, M., Potenza, N., Piccolella, S., Russo, A., Monaco, P., Fiorentino, A. Metabolic profiling of strawberry grape (*Vitis x labruscana* cv.

- 'Isabella') components by NMR, and evaluation of their antioxidant and antiproliferative properties. *Journal of Agricultural and Food Chemistry* 59, 7679-7687, 2011. IF 3.154
58. Ferrara, L., Dosi, R., Di Maro, A., Guida, V., Cefarelli, G., **Pacifico, S.**, Mastellone, C., Fiorentino, A., Rosati, A., Parente, A. Nutritional values, metabolic profile and radical scavenging capacities of wild asparagus (*A. acutifolius* L.). *Journal of Food Composition and Analysis* 24(3), 326-333, 2011. IF 2.752
 59. Fiorentino, A., D'Abrosca, B., Pacifico, S., Scognamiglio, M., D'Angelo, G., Monaco, P. Abeo-Abietanes from *Teucrium polium* roots as protective factors against oxidative stress. *Bioorganic & Medicinal Chemistry* 18, 8530-8536, 2010. IF 2.93
 60. Fiorentino, A., D'Abrosca, B., **Pacifico, S.**, Izzo, A., D'Angelo, G., Monaco, P. Bioactive clerodane diterpenes from roots of *Carex distachya*. *Natural Product Communications* 5, 1539-1542, 2010. IF 0.773
 61. **Pacifico, S.**, Scognamiglio, M., Piccolella, S., Gallicchio, M., Ricci, A., Fiorentino, A., D'Abrosca, B. Spectroscopic characterization and antiproliferative activity on HepG2 human hepatoblastoma cells of C-glycosyl flavones from *Petrorhagia velutina*. *Journal of Natural Products* 73, 1973-1978, 2010. IF 3.281
 62. Ricci, A., Fiorentino, A., Piccolella, S., D'Abrosca, B., **Pacifico, S.**, Monaco, P. Structural discrimination of isomeric tetrahydrofuran lignan glucosides by tandem mass spectrometry. *Rapid Communication in Mass Spectrometry* 24, 979-985, 2010. IF 1.998
 63. D'Abrosca, B., Fiorentino, A., Ricci, A., Scognamiglio, M., **Pacifico, S.**, Piccolella, S., Monaco, P. Structural characterization and radical scavenging activity of monomeric and dimeric cinnamoyl glucose esters from *Petrorhagia velutina* leaves. *Phytochemistry Letters* 3, 38-44, 2010. IF 1.418
 64. Fiorentino, A., D'Abrosca, B., Ricci, A., **Pacifico, S.**, Piccolella, S., Monaco, P. Structure determination of chamaedryosides A-C, three novel nor-neo-clerodane glucosides from *Teucrium chamaedrys*, by NMR spectroscopy. *Magnetic Resonance in Chemistry* 47, 1007-1011, 2009. IF 1.601
 65. **Pacifico, S.**, D'Abrosca, B., Pascarella, M.T., Letizia, M., Uzzo, P., Piscopo, V., Fiorentino, A. Antioxidant efficacy of iridoid and phenylethanoid glycosides from the medicinal plant *Teucrium chamaedrys* in cell-free systems. *Bioorganic & Medicinal Chemistry* 17, 6173-6179, 2009. IF 2.93
 66. Alesiani, D., Canini, A., D'Abrosca, B., Della Greca, M., Fiorentino, A., Mastellone, C., Monaco, P., **Pacifico, S.** Antioxidant and antiproliferative activities of phytochemicals from Quince (*Cydonia vulgaris*) peels. *Food Chemistry* 118, 199-207, 2010. IF 4.529
 67. DellaGreca, M., Cutillo, F., D'Abrosca, B., Fiorentino, A., **Pacifico, S.**, Zarrelli, A. Antioxidant and radical scavenging properties of *Malva sylvestris*. *Natural Product Communications* 4, 893-896, 2009. IF 0.773
 68. Fiorentino, A., D'Abrosca, B., **Pacifico, S.**, Mastellone, C., Scognamiglio, M., Monaco, P. Identification and assessment of antioxidant capacity of phytochemicals from kiwi fruits. *Journal of Agricultural and Food Chemistry* 57, 4148-4155, 2009. IF 3.154
 69. Fiorentino, A., Mastellone, C., D'Abrosca, B., **Pacifico, S.**, Scognamiglio, M., Cefarelli, G., Caputo, R., Monaco, P. δ -Tocomonoenol: a new vitamin E from kiwi (*Actinidia chinensis*) fruits. *Food Chemistry* 115, 187-192, 2009. IF 4.529
 70. Fiorentino, A., D'Abrosca, B., **Pacifico, S.**, Izzo, A., Letizia, M., Esposito, A., Monaco, P. Potential allelopathic effects of stilbenoids and flavonoids from leaves of *Carex distachya* Desf. *Biochemical Systematics and Ecology* 36, 691-698, 2008. IF 0.929
 71. Fiorentino, A., D'Abrosca, B., DellaGreca, M., Izzo, A., Natale, A., Pascarella, M.T., **Pacifico, S.**, Zarrelli, A., Monaco, P. Chemical characterization of new oxylipins from *Cestrum parqui*, and their effects on seed germination and early seedling growth. *Chemistry & Biodiversity* 5, 1780-1791, 2008. IF 1.44
 72. Fiorentino, A., Ricci, A., D'Abrosca, B., **Pacifico, S.**, Golino, A., Letizia, M., Piccolella, S., Monaco, P. Potential food additives from *Carex distachya* roots: identification and in vitro antioxidant properties. *Journal of Agricultural and Food Chemistry* 56, 8218-8225, 2008. IF 3.154
 73. **Pacifico, S.**, D'Abrosca, B., Golino, A., Mastellone, C., Piccolella, S., Fiorentino, A., Monaco, P. Antioxidant evaluation of polyhydroxylated nerolidols from redroot pigweed (*Amaranthus retroflexus*) leaves. *LWT-Food Science and Technology* 41, 1665-1671, 2008. IF 2.329

74. Fiorentino, A., D'Abrosca, B., **Pacifico, S.**, Iacovino, R., Izzo, A., Uzzo, P., Russo, A., Di Blasio, B., Monaco, P. Carexanes from *Carex distachya* Desf.: revised stereochemistry and characterization of four novel polyhydroxylated prenylstilbenes. *Tetrahedron* 64, 7782-7786, 2008. IF 2.651
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July 30, 2018

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