

CURRICULUM PROF: ANTONIO FIORENTINO

POSITION HELD

Full Professor in Organic Chemistry,
Head of Dept. Environmental Biological and Pharmaceutical Sciences and Technologies – University of Campania “Luigi Vanvitelli”.

EMPLOYMENT HISTORY

- 2015 • Full Professor in Organic Chemistry – University of Campania “L. Vanvitelli” (formerly Second University of Naples – SUN)
- 2013 • He received the award of the national scientific qualification (“Abilitazione Scientifica Nazionale”) as full professor in Organic Chemistry (cod. 03/C1 – Chimica Organica (DD MIUR n. 222 July 20, 2012 - Call 2012)
- 2005 • He was confirmed in the role of Associate Professor by the National Committee nominated by the Ministry of Education, University and Research.
- 2002 • He won the Public Competition for n. 1 position of Associate Professor in Organic Chemistry (CHIM/06) and was employed as Associate Professor of Organic Chemistry at the Faculty of Sciences of SUN.
- 1998 • He was confirmed in the role of Assistant Professor by the National Committee nominated by the Ministry of Education, University and Research.
- 1995 • He won the Public Competition for n. 1 position of Assistant Professor in Organic Chemistry (CHIM/06) and was employed as Assistant Professor at the Faculty of Sciences of SUN
- 1993-1995 • Post-doc - Dept of Organic and Biological Chemistry - University of Naples “Federico II”,
1994 • Received his Ph.D. degree in Chemistry (Organic Chemistry)
- 1990-1993 • Ph.D. student - University of Naples “Federico II”,

PROFESSIONAL DUTIES AND ACHIEVEMENTS

- Head of Dept Environmental Biological and Pharmaceutical Sciences and Technologies since August 2018
- Component of National Scientific Qualification (art.16 of the law 30 December 2010, n.240) for the University Professor position recruitment (SC 03/C1 Organic Chemistry – 2016-2018).
- Vice-director of Dept Environmental Biological and Pharmaceutical Sciences and Technologies from December 2015 to August 2018
- Coordinator of the Degree Course in Pharmacy from November 2015 to July 2018.
- President of the Teacher-Student Parithetic Committee of the Dept. of Environmental Biological and Pharmaceutical Sciences and Technologies until October 2015
- Component of departmental board until October 2015
- Component of the Area Panel for the Research of SUN for the Chemistry Area (03) since July 2013.
- Component of the Central Election Committee (CEC) of SUN until October 2015
- Member of the organizing committee for the course of *Industrial and Alimentary Biotechnologies*
- Teacher for the PhD course in *Biomolecular Sciences* since 2013 to date.
- Teacher for the PhD course in *Molecular and Cellular Biology* from 2010 to 2012.
- Teacher for the PhD course in *Biological Processes and Biomolecules* from 1999 to 2009.
- Teacher in the Master in “*Chemistry and toxicity of biologically active compounds*”; Academic years 2002/03 and 2003/04.
- Teacher in the Master in “*Chemistry and Pharmacology of medicinal substances*’ in the Academic Year 2004/05
- Master scientific coordinator in “*Chemistry and Pharmacology of medicinal substances*’ in the Academic Year 2005/06
- Member of the Integrated Laboratory for the Quality and Safety of Foods, Centro di Competenza ‘Produzioni Agro-alimentari’

TEACHING EXPERIENCE

- Prof. Fiorentino taught basic and advanced courses of Organic Chemistry, Bio-organic Chemistry, Natural Product Chemistry and related subjects.
At the moment, he teaches Organic Chemistry for the BSc in Biology, Organic Chemistry I for the MS in Pharmacy and Bioorganic Chemistry for the MS in Biology.
- Teacher and Tutor for the PhD in Biomolecular Sciences (cycle 29th, 30th and 31st)
- Teacher and Tutor for the PhD in Molecular and Cellular Biology (cycles 27th and 28th)
- Teacher and Tutor for the PhD in Biological Processes and Biomolecules (cycles 15th to 27th)
- Master scientific coordinator in "Chemistry and Pharmacology of medicinal substances" in the Academic Year 2005/06.

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| 2017 | • Tutor of 1 PhD Thesis in <i>Biomolecular Sciences</i> 33° cycle. |
| 2016 | • Tutor of 1 PhD Thesis in <i>Scienze biomolecolari</i> 32° cycle. |
| 2014 | • Tutor of 1 PhD Thesis in <i>Scienze biomolecolari</i> 30° cycle. |
| 2014 | • Tutor of a fellowship (D.R. 781 del 25/9/2014) in the framework of the project TEMASAV (POR Campania FSE 2007-2013) entitled " <i>Environmental influence on modification of the metabolome of Mediterranean plants</i> " (SSD Chim/06). |
| 2014 | • Tutor of a research associate fellowship (DR 0166 del 11/3/2014) in the framework of the project CARINA (POR Campania FSE 2007-2013) entitled " <i>Caratterizzazione di composti nutraceutici di prodotti agricoli campani mediante tecniche di metabolomica basate su analisi NMR</i> " (SSD Chim/06). |
| 2009 | • Tutor of 2 PhD thesis in <i>Biological processes and biomolecules</i> 25° cycle. |
| 2005 | • Tutor of 2 PhD thesis in <i>Biological processes and biomolecules</i> 21° cycle. |
| 2004 | • Tutor of a research associate fellowship in the framework of the project "Formazione di 'esperti di ricerca, sviluppo tecnologico e management della ricerca nel settore delle produzioni agroalimentari' macrosettore A4", entitled " <i>Chemical, microbiological and nutritional characterization of alimentary products</i> ". |
| 2001 | • Tutor of 1 PhD thesis in <i>Biological processes and biomolecules</i> 17° cycle. |
| 2001 | • Tutor of a research associate fellowship entitled " <i>Isolation and characterization of potential allelochemicals from plants</i> ". |
| 2000 | • Tutor of 1 PhD thesis in <i>Biological processes and biomolecules</i> 17° cycle |

RESEARCH PROJECTS

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| 2018-20 | • Scientific Responsible of the RU of the research group of the University of Campania L. Vanvitelli of the project entitled: <i>SIMS - Sviluppo e Industrializzazione di integratori personalizzati per le Maculopatie Senili</i> - POR FESR CAMPANIA 2014/2020 - O.S. 1.1 - Progetti di trasferimento tecnologico (Fase 2) coerenti con la RIS 3 |
| 2013-15 | • Participant to the research project POR Campania FERS 2007-2013 -O.O. 2.1 – RETE DELLE BIOTECNOLOGIE IN CAMPANIA - entitled " <i>Bio Industrial Processes (BIP)</i> ". |
| 2013-15 | • Participant to the research project POR Campania FESR 2007–2013 -O.O. 2.1 – RETE DELLE BIOTECNOLOGIE IN CAMPANIA - entitled " <i>Farmabionet Rete integrata per le biotecnologie applicate a molecole ad attività farmacologica</i> " |
| 2013-15 | • Participant to the industrial research project PON01_01226 NUTRAFAST: " <i>Dal nutraceutico al farmaco per strategie integrate</i> ". |
| 2014-16 | • Scientific Responsible of the project entitled " <i>metabolomic characterization and valorization of olive cultivars of PNCVD</i> " II phase, founded by Ente Pubblico Parco Naz. del Cilento e di Vallo di Diano. |
| 2014-15 | • Participant to the project CAMPUS - Introduzione e valorizzazione di alimenti salutistici e razionalizzazione produttiva nelle filiere tradizionali della Regione Campania finanziato dal POR CAMPANIA FESR 2007-2013. |

2012	<ul style="list-style-type: none"> Scientific Responsible of the project entitled "<i>metabolomic characterization and valorization of olive cultivars of PNCVD</i>" founded by Ente Pubblico Parco Naz. del Cilento e di Vallo di Diano.
2010	<ul style="list-style-type: none"> Participant to the project "<i>Check-list dei macromiceti del Parco Nazionale del Cilento e Vallo di Diano</i>" founded by Ente Pubblico Parco Naz. del Cilento e di Vallo di Diano.
2005	<ul style="list-style-type: none"> Participant to the Regional project (Legge 5 Campania, Italy) "Study of the effects of pollutants on the soil activity of Caserta".
2004	<ul style="list-style-type: none"> Scientific responsible of the reseach group of SUN for the project PRIN founded by MIUR (Ministry of University and of the Research) "Ecotoxicity of drugs and their biotic and abiotic transformation products".
2002	<ul style="list-style-type: none"> Participant to the project PRIN founded by MIUR "Presence of drugs in effluents of depuration plants and in surface waters: Monitoring, ecotoxicity evaluation and remediation processes.
2002	<ul style="list-style-type: none"> Responsible of the workpackage: "Characterization of macro and micro-nutrients for the quality certification of Annurca apple" in the framework or the project: "<i>Annurca apple for industry</i>". Regional Competence Center: Agro-alimentary productions.
2001	<ul style="list-style-type: none"> Participant to the project "Eco-friendly recovery and disposal of phenol residues of agro-alimentary industry by chemical and biological processes" in the framework of the financial incentives aimed at supporting local development (Law 488/1992)
2000	<ul style="list-style-type: none"> Scientific responsible of the reseach group of SUN for the project PRIN founded by MIUR "Toxicity of the organic components of olive oil mill wastewaters".
1999	<ul style="list-style-type: none"> Participant to the project PRIN founded by MIUR "<i>Isolation, characterization, clonation and expression of Ribosome-Inactivating Proteins (RIPs)</i>".
1999	<ul style="list-style-type: none"> Participant to the interregional project POM B11: Technologic innovations for improvement and the valorization of the <i>Italian dried fig</i>".
1998	<ul style="list-style-type: none"> Participant to the project PRIN founded by MIUR "Phytotoxic aromatic compounds from agroalimentary wastes. Action on seed germination and seedling growth".
1997	<ul style="list-style-type: none"> Participant to the project PRIN founded by MIUR "Determination of primary structure of Ribosome-Inactivating Proteins, RIPs".

RESEARCH ACTIVITY

- The research activity of Prof. Fiorentino regarded the chemistry of bioactive natural products from edible and not-edible plants, and has been concretized in 169 publications on international scientific journals, 12 chapter in scientific books and over 130 communications in national and international congresses. In particular the activity has regarded:
 - NMR-based metabolomics
 - Isolation and characterization of bioactive metabolites from plants.
 - Study of allelopathic interactions of Mediterranean plants for the search of new eco-friendly herbicides.
 - Antioxidant and radical scavenging activity of phytochemicals from edible plants
 - Chemical and toxicological study of organic pollutants and their transformation products.
- Component of Editorial Board of *Journal of Allelochemical Interactions dell' International Allelopathy Society*.
- Peer reviewer for the evaluation of research products VQR 2004-2010.
- Referee of the international journals: *Phytochemistry*, *Phytochemistry letters*, *Phytochemistry Reviews*, *Bioorganic and Medicinal Chemistry*, *Bioorganic and Medicinal Chemistry Letters*, *European Journal of Medicinal Chemistry*, *Food Chemistry*, *Food Research International*, *Journal of Agricultural and Food*

Chemistry, Journal of Chemical Ecology, Carbohydrate Research, Natural Produce Research, Mini-Reviews in Medicinal Chemistry, Synthetic Communications, Acta Physiologiae Plantarum, African Journal of Biochemistry Research, African Journal of Biotechnology, Biochemical Systematics and Ecology, Bioresource Technology, Chemistry Central Journal, Collection of Czechoslovak Chemical Communications, Environmental Technology, Food Technology and Biotechnology, International Journal of Food Science and Technology, International Journal of Sport Nutrition and Exercise Metabolism, Italian Journal of Food Science, Thalassas, Journal of Applied Phycology, Journal of Botany, Journal of Food Biochemistry, Journal of Planar Chromatography, Journal of Research Science, Computing and Engineering, Environmental and Experimental Botany, Molecules Nutrition, Plant Foods for Human Nutrition, Science of the Total Environment.

- Referee e per la valutazione di progetti di ricerca per l'Academy of Sciences of the Czech Republic e per l'Academy of Sciences for the Developing World (TWAS).
- Invited speaker: 5th World Congress on Allelopathy (New York, 2008); National Meeting & Exposition - Division of Agricultural & Food Chemistry dell' American Chemical Society (Boston, 2010); The Phytochemical Society of Europe Congress 2012- BIOCUM12 (Cadiz, 2012), 7th World Congress on Allelopathy (Vigo, 2014).
- He has been the coordinator of the project COMPECO (Novel plant-produced COMPOunds as natural sources for ECOsystems sustainable management), proposed in the seventh framework programme (FP7), in which participated 7 European partners and 3 extra-comunitary partners. The project have passed all the evaluation thresholds and was favourably evaluated by the European Commission.
- Member of SCI (Società Chimica Italiana)
- Member of the Phytochemical Society of Europe (PSE)
- Member of the International Allelopathy Society

Publications in International Scientific Journals

1. B. D'Abrosca, V. Ciaramella, V. Graziani, F. Papaccio, C. M. Della Corte, N. Potenza, **A. Fiorentino**, F. Ciardiello, and F. Morgillo (2019) *Urtica dioica* L. inhibits proliferation and enhances cisplatin cytotoxicity in NSCLC cells via Endoplasmic Reticulum-stress mediated apoptosis. *Scientific Reports*. Accepted
2. F. Bruno, S. Errico, S. Pace, M. B. Nawrozkij, F. Guida, R. Maisto, A. Olgaç, M. D'Amico, S. Maione, M. De Rosa, E. Banoglu, O. Werz, **A. Fiorentino**, R. Filosa (2018) Structural Insight into the Optimization of Ethyl 5-Hydroxybenzo[g]indol-3-carboxylates and their Bioisosteric Analogues as 5-LO/m-PGES-1 Dual Inhibitors Able to Suppress Inflammation. *European Journal of Medicinal Chemistry*. 15;155:946-960. doi: 10.1016/j.ejmech.2018.05.041
3. C. Sanna, M. Scognamiglio, **A. Fiorentino**, A. Corona, V. Graziani, A. Caredda, P. Cortis, M. Montisci, E. R. Ceresola, F. Canducci, F. Poli, E. Tramontano, F. Esposito (2018) Prenylated phloroglucinols from *Hypericum scruglii*, an endemic species of Sardinia (Italy), as new dual HIV-1 inhibitors effective on HIV-1 replication. *Plos One*. 30;13(3):e0195168. doi: 10.1371/journal.pone.0195168.
4. V. Graziani, M. Scognamiglio, V. Belli, A. Esposito, B. D'Abrosca, A. Chambery, R. Russo, M. Panella, A. Russo, F. Ciardiello, T. Troiani, N. Potenza, **A. Fiorentino** (2018) Metabolomic approach for a rapid identification of natural products with cytotoxic activity against human colorectal cancer cells. *Scientific Reports*. 28;8(1):5309. doi: 10.1038/s41598-018-23704-9.
5. G. Crescente, S. Piccolella, A. Esposito, M. Scognamiglio, **A. Fiorentino**, S. Pacifico (2018) Chemical composition and nutraceutical properties of hempseed: an ancient food with actual functional value. *Phytochemistry reviews*. 17(4):733-749. doi.org/10.1007/s11101-018-9556-2.
6. M. Mandrone, M. Scognamiglio, **A. Fiorentino**, C. Sanna, L. Cornioli, F. Antognoni, F. Bonvicini, F. Poli (2017) Phytochemical profile and α -glucosidase inhibitory activity of Sardinian *Hypericum scruglii* and *Hypericum hircinum*. *Fitoterapia* 120:184-193.
7. E. Buommino, B. D'Abrosca, G. Donnarumma, A. Parisi, M. Scognamiglio, **A. Fiorentino**, A. De Luca (2017) Evaluation of the antioxidant properties of carexanes in AGS cells transfected with the *Helicobacter pylori*'s protein HspB. *Microbial Pathogenesis*. 213:30-41.
8. B. D'Abrosca, M. Lavorgna, M. Scognamiglio, C. Russo, V. Graziani, C. Piscitelli, **A. Fiorentino**, M. Isidori (2017) 2D NMR investigation and in vitro evaluation of antioxidant, antigenotoxic and estrogenic/antiestrogenic activities of strawberry grape. *Food and Chemical Toxicology* 105:52-60
9. F. Araniti, M. Scognamiglio, A. Chambery, R. Russo, A. Esposito, B. D'Abrosca, **A. Fiorentino**, A. Lupini, F. Sunseri, M. R. Abenavoli (2017) Highlighting the effects of coumarin on adult plants of *Arabidopsis thaliana* (L.) Heynh. by an integrated -omic approach. *J. Plant Physiol*. 213:30-41.
10. B. D'Abrosca, M. Scognamiglio, L. Corrado, I. Chiochio, L. Zampella, F. Mastrobuoni, P. Rega, M. Scortichini, **A. Fiorentino**, M. Petriccione (2017) Evaluation of different training systems on Annurca apple fruits revealed by agronomical, qualitative and NMR-based metabolomic approaches. *Food Chemistry* 222, 18–27.
11. B. D'Abrosca, E. Buommino, P. Caputo, M. Scognamiglio, A. Chambery, G. Donnarumma, **A. Fiorentino**. (2016) Phytochemical study of *Helichrysum italicum* (Roth) G. Don: spectroscopic elucidation of unusual amino-phloroglucinols and antimicrobial assessment of secondary metabolites from medium-polar extract. *Phytochemistry*. 132, 86–94.
12. S. Piccolella, V. Greco, P. Carillo, P. Woodrow, P. Nocera, **A. Fiorentino**, S. Pacifico (2016) 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.
13. M. Scognamiglio, E. Buommino, L. Coretti, V. Graziani, R. Russo, P. Caputo, G. Donnarumma, B. D'Abrosca, **A. Fiorentino** (2016) Phytochemical investigation and antimicrobial assessment of *Bellis sylvestris* leaves. *Phytochemistry Letters* 17: 6–13.
14. S. Pacifico, S. Piccolella, S. Galasso, **A. Fiorentino**, N. Kretschmer, S.-P. Pan, R. Bauer, P. Monaco (2016) Influence of harvest season on chemical composition and bioactivity of wild rue plant hydroalcoholic extracts. *Food and Chemical Toxicology* 90: 102–111.

15. A. Bougandoura, B. D'Abrosca, S. Ameddah, M. Scognamiglio, R. Mekkiou, **A. Fiorentino**, S. Benayache, F. Benayache (2016) Chemical constituents and in vitro Anti-inflammatory activity of *Cistanche violacea* Desf. (Orobanchaceae) extract. *Fitoterapia*. 109, 248–253.
16. E. Niro, R. Marzaioli, S. De Crescenzo, B. D'Abrosca, S. Castaldi, A. Esposito, **A. Fiorentino**, F.A. Rutigliano (2016) Effects of the allelochemical coumarin on plants and soil microbial community. *Soil Biology & Biochemistry*. 95, 30-39.
17. R. Nicoletti, **A. Fiorentino** (2015) Plant Bioactive Metabolites and Drugs Produced by Endophytic Fungi of Spermatophyta. *Agriculture* 5, 918-970.
18. N. Brahmia, M. Scognamiglio, S. Pacifico, A. Mekhoukhe, K. Madani, **A. Fiorentino**, P. Monaco (2015) ¹H NMR based metabolic profiling of eleven Algerian aromatic plants and evaluation of their antioxidant and cytotoxic properties *Food Research International* 76, 334-341.
19. M. Scognamiglio, B. D'Abrosca, A. Esposito, **A. Fiorentino** (2015) Chemical composition and seasonality of aromatic Mediterranean plant species by NMR-based metabolomics. *Journal of Analytical Methods in Chemistry*, Article ID 258570
20. M. Scognamiglio, B. D'Abrosca, A. Esposito, **A. Fiorentino** (2015) Metabolomics: an unexplored tool for allelopathy studies. *Journal of Allelochemical Interactions* 1 (1): 9-25.
21. E. Buommino, M. Scognamiglio, G. Donnarumma, **A. Fiorentino**, B. D'Abrosca (2014) Recent advances in natural product-based anti-biofilm approaches to control infections. *Mini-Reviews in Medicinal Chemistry* 14 (14), 1169-1182.
22. R. Nicoletti, **A. Fiorentino** (2014) Antitumor metabolites of fungi. *Current Bioactive Compounds* 10(4), 207-244.
23. R. Nicoletti, M. Scognamiglio, **A. Fiorentino** (2014) Structural and bioactive properties of 3-O-methylfunicone. *Mini-Reviews in Medicinal Chemistry* 14, 1043-1047.
24. S. Pacifico, S. Piccolella, S. Marciano, S. Galasso, P. Nocera, V. Piscopo, **A. Fiorentino**, P. Monaco (2014) LC-MS/MS profiling of a mastic leaf phenol 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 (49), 11957–11966.
25. V. Severino, A. Farina, F. Fleischmann, R. J. D. Dalio, A. Di Maro, M. Scognamiglio, **A. Fiorentino**, A. Parente, W. Osswald, A. Chambery (2014) Molecular profiling of the *Phytophthora plurivora* secretome: a step towards understanding the cross-talk between plant pathogenic oomycetes and their hosts. *PLoS ONE* 9 (11): e112317.
26. M. Scognamiglio, R. Nicoletti, S. Pacifico, B. D'Abrosca, **A. Fiorentino** (2014) Spectroscopic characterization of a pyridine alkaloid from an endophytic strain of the *Fusarium incarnatum-equiseti* Species Complex. *Current Bioactive Compounds* 10:196-200.
27. M. Scognamiglio, V. Fiumano, B. D'Abrosca, A. Esposito, Y. H. Choi, R. Verpoorte, **A. Fiorentino** (2014) Chemical interactions between plants in Mediterranean vegetation: the influence of selected plant extracts on *Aegilops geniculata* metabolome. *Phytochemistry*. 106:69-85.
28. R. Nicoletti, **A. Fiorentino**, M. Scognamiglio (2014) Endophytism of *Penicillium* species in woody plants. *The Open Mycology Journal* 8:1-26.
29. S. Pacifico, M. Gallicchio P. Lorenz, S. Duckstein, N. Potenza, S. Galasso, S. Marciano, **A. Fiorentino**, F. C. Stintzing, P. Monaco (2014) Neuroprotective potential of *Laurus nobilis* antioxidant polyphenol-enriched leaf extracts. *Chemical Research in Toxicology* 27 (4), 611–626.
30. M. Scognamiglio, B. D'Abrosca, V. Fiumano, M. Golino, A. Esposito, **A. Fiorentino** (2014) Seasonal phytochemical changes in *Phillyrea angustifolia* L.: metabolomic analysis and phytotoxicity assessment. *Phytochemistry Letters* 8:163-170.
31. M. Scognamiglio, B. D'Abrosca, V. Severino, A. Chambery, P. Monaco, **A. Fiorentino** (2014) Two new acylated drimane-type sesquiterpene glucosides from *Petrorhagia saxifraga*. *Phytochemistry Letters* 7:46–51.
32. S. Pacifico, M. Gallicchio, P. Lorenz, N. Potenza, S. Galasso, **A. Fiorentino**, F. C. Stintzing, P. Monaco (2013) Apolar *Laurus nobilis* leaf extract induce cytotoxicity and apoptosis towards three neuronal cell lines. *Food and Chemical Toxicology* 62: 628-637.
33. B. D'Abrosca, E. Buommino, G. D'Angelo, L. Coretti, M. Scognamiglio, V. Severino, S. Pacifico, G. Donnarumma, **A. Fiorentino** (2013) Spectroscopic identification and anti-biofilm properties of polar

- metabolites from the medicinal plant *Helichrysum italicum* against *Pseudomonas aeruginosa*. *Bioorganic and Medicinal Chemistry* 21(22): 7038–7046.
34. 1M. Scognamiglio, B. D'Abrosca, A. Esposito, S. Pacifico, P. Monaco, **A. Fiorentino** (2013) Plant Growth Inhibitors: allelopathic role or phytotoxic effects? Focus on Mediterranean biomes. *Phytochemistry Reviews* 12(4):803-830.
 35. M. Scognamiglio, F. Temussi, B. D'Abrosca, **A. Fiorentino** (2013) Comment on the paper: "Spectroscopic and computational study of the major oxidation products formed during the reaction of two quercetin conformers with a free radical" *Spectrochim. Acta A - Mol. Biomol. Spectrosc.* 116:651-653.
 36. M. Gaglione, G. Malgieri, S. Pacifico, V. Severino, B. D'Abrosca, L. Russo, **A. Fiorentino**, A. Messere (2013) Synthesis and biological properties of caffeic acid–PNA dimers containing guanidine. *Molecules*. 18: 9147-9162
 37. B. D'Abrosca, M. Scognamiglio, V. Fiumano, A. Esposito, Y. H. Choi, R. Verpoorte, **A. Fiorentino** (2013) Plant bioassay to assess the effects of allelochemicals on the metabolome of the target species *Aegilops geniculata* by a NMR-based approach. *Phytochemistry*. 93:27–40.
 38. S. Pacifico, B. D'Abrosca, M. Scognamiglio, M. Gallicchio, S. Galasso, P. Monaco **A. Fiorentino** (2013) Antioxidant Polyphenolic Constituents of *Vitis × Labruscana* cv. 'Isabella' Leaves. *Open Nat. Prod. J.* 6:5-11
 39. A. Di Maro, S. Pacifico, **A. Fiorentino**, S. Galasso, M. Gallicchio, V. Guida, V. Severino, P. Monaco, A. Parente (2013) Raviscanina wild asparagus (*Asparagus acutifolius* L.): a nutritionally valuable crop with antioxidant and antiproliferative properties. *Food Res. Int.* 53(1): 180-188.
 40. B. D'Abrosca, S. Pacifico, M. Scognamiglio, N. Tsafantakis, E. Pagliari, P. Monaco, **A. Fiorentino** (2013) Petrorhagioside A-D, new γ -pyrone derivatives from *Petrorhagia saxifraga* L. *Helv. Chim. Acta*. 96:1273-1279.
 41. B. D'Abrosca, S. Pacifico, M. Scognamiglio, G. D'Angelo, S. Galasso, P. Monaco, **A. Fiorentino** (2013) A new acylated flavone glycoside with antioxidant and radical scavenging activities from *Teucrium polium* leaves. *Nat. Prod. Res.* 27 (4-5): 356-363.
 42. S. Papa, G., Bartoli, F. Nacca, B. D'Abrosca, E. Cembrola, A. Pellegrino, **A. Fiorentino**, A. Fuggi, A. Fioretto (2012) Trace metals, peroxidase activity, PAHs contents and ecophysiological changes in *Quercus ilex* leaves in the urban area of Caserta (Italy). *J. Environ. Manag.* 113:501-509.
 43. M. Scognamiglio, B. D'Abrosca, V. Fiumano, A. Chambery, V. Severino, N. Tsafantakis, S. Pacifico, A. Esposito, **A. Fiorentino** (2012) Oleanane saponins from *Bellis sylvestris* Cyr. and evaluation of their phytotoxicity on *Aegilops geniculata* Roth. *Phytochemistry*. 84:125-34.
 44. S. Pacifico, M. Gallicchio, **A. Fiorentino**, A. Fischer, U. Meyer, F. C. Stintzing (2012) Antioxidant properties and cytotoxic effects on human cancer cell lines of aqueous fermented and lipophilic quince (*Cydonia oblonga* Mill.) preparations. *Food Chem. Toxicol.* 50, 4130-4135.
 45. S. Pacifico, B. D'Abrosca, M. Scognamiglio, G. D'Angelo, M. Gallicchio, S. Galasso, P. Monaco, **A. Fiorentino** (2012) NMR-Based metabolic profiling and in vitro antioxidant and hepatotoxic assessment of partially purified fractions from golden germander (*Teucrium polium* L.) methanolic extract. *Food Chem.* 135 (3), 1957-1967.
 46. F. Antognoni, C. Iannello, M. Mandrone, M. Scognamiglio, **A. Fiorentino**, P. P. Giovannini, F. Poli (2012) Elicited *Teucrium chamaedrys* cell cultures produce high amounts of teucroside, but not the hepatotoxic neo-clerodane diterpenoids. *Phytochemistry*. 81C, 50-59.
 47. M. Scognamiglio, A. Esposito, B. D'Abrosca, S. Pacifico, V. Fiumano, N. Tsafantakis, P. Monaco, **A. Fiorentino** (2012) Isolation, distribution and allelopathic effect of caffeic acid derivatives from *Bellis perennis* L. *Biochem. Syst. Ecol.* 43, 108-113.
 48. B. D'Abrosca, S. Pacifico, M. Scognamiglio, N. Tsafantakis, A. Messere, P. Monaco, **A. Fiorentino** (2012) A new glucosylated cinnamoyl glycerol from aerial parts of *Phleum subulatum*. *Biochem. Syst. Ecol.* 42, 79-82.
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Il sottoscritto Antonio Fiorentino, nato a Durazzano (BN) il 4/2/1965, e residente nel Comune di Durazzano alla via Vigliotti 2 CF FRNNTN65B04D386W, consapevole della responsabilità penale prevista dall'art. 76 del D.P.R. 445/2000 per le ipotesi di falsità in atti e dichiarazioni mendaci ivi indicate, con la presente

Dichiara

che quanto riportato in ogni parte del presente Curriculum Vitae corrisponde a verità

Caserta, 24.02.2019