

CURRICULUM VITAE

Dr. Francesco Epifano

5th November 1993 Degree (Honour Degree) in Medicinal Chemistry and Pharmaceutical Technology (Chimica e Tecnologie Farmaceutiche) at the University of Perugia with discussion of an experimental Thesis in Medicinal Chemistry under the tutorial of Prof. Roberto Pellicciari from the Department of Medicinal Chemistry and Pharmaceutical Technology (Dipartimento di Chimica e Tecnologia del Farmaco) of the University of Perugia.

1st November 1995 – 31st October 1998 Doctorate Course in “Agricultural Entomology” at the Faculty of Agricultural Sciences of the University of Perugia and discussion of the Ph.D. Thesis on synthesis, properties and ecological role of insect semiochemicals under the tutorial of Prof. P. Ceccherelli and Prof. M. Curini from the Section of Organic Chemistry of the Department of Medicinal Chemistry and Pharmaceutical Technology of the University of Perugia.

1st November 1998 – 31st January 2006 Postdoctoral research grant at the Section of Organic Chemistry of the Department of Medicinal Chemistry and Pharmaceutical Technology of the University of Perugia under the supervision of Prof. M. Curini.

1st February 2006 – 30th September 2016 Professor of Pharmaceutical Biology and Phytochemistry at the Department of Drug Sciences, Faculty of Pharmacy of the University “G. D’Annunzio” of Chieti-Pescara.

From 1st October 2016 Associate Professor of Medicinal Chemistry at the Department of Pharmacy of the University “G. D’Annunzio” of Chieti-Pescara.

From 1st October 2023 Full Professor of Medicinal Chemistry at the Department of Pharmacy of the University “G. D’Annunzio” of Chieti-Pescara.

SCIENTIFIC AND RESEARCH ACTIVITY

Most of the research activity of Dr. Francesco Epifano has been carried out at the Section of Organic Chemistry of the Department of Medicinal Chemistry and Pharmaceutical Technology, Section of Organic Chemistry of the University of Perugia and during the last 16 years at the Department of Pharmacy of the University "G. D'Annunzio" of Chieti-Pescara.

Research fields could be divided into the following topics:

- Extraction, structural characterization, pharmacological activity, analytical studies, and synthesis of secondary metabolites of plant and fungi (papers 4, 6, 9, 16, 18, 33, 34, 35, 38, 39, 40, 42, 43, 44, 45, 47, 51, 52, 53, 54, 55, 56, 57, 58, 60, 61, 62, 63, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 97, 99, 100, 101, 102, 103, 104, 105, 106, 109, 110, 111, 112, 113, 114, 115, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 166, 167, 168, 170, 171, 172, 173, 174, 175, 176, 177, 179, 180, 182, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262).

- Synthesis and use of organoselenium based compounds and α -diazo-ketones as intermediates in the synthesis of biologically active natural and semisynthetic compounds (papers 1, 2, 3, 22, 48, 181, 226).
- Use of potassium monopersulfate for the deprotection and/or transformation of functional groups in the synthesis of biologically active natural and semisynthetic compounds (papers 5, 7, 8, 10, 14, 15, 19, 28, 42).
- Use of homogeneous or heterogeneous zirconium (IV) or rare earth metal-based catalysts in the synthesis of biologically active natural and semisynthetic compounds (papers 11, 12, 13, 17, 20, 21, 23, 24, 25, 26, 27, 29, 30, 31, 32, 36, 37, 46, 49, 50, 59, 64, 78, 95, 99, 107, 108, 116, 153, 154, 165, 169, 178, 183).

The research activity has been carried out in collaboration with other research groups in Europe, North America and Japan.

LIST OF PUBLICATIONS

1. Ceccherelli, P.; Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "Vinylogous Wolff Rearrangement of β,γ -Unsaturated α -Diazo- β -ketoesters: a Novel Method for the Preparation of Substituted Malonates", *Synth. Commun.* **1995**, 25, 301-308.
2. Ceccherelli, P.; Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "Selenoxides as Leaving Groups: Synthesis of Epoxides", *Tetrahedron Lett.* **1995**, 36, 5079-5080.
3. Ceccherelli, P.; Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "Oxone Oxidation of Selenides: a Mild and Efficient Method for the Preparation of Selenones", *J. Org. Chem.* **1995**, 60, 8412-8413.
4. Ceccherelli, P.; Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "A Novel Synthesis of (S)- and (R)-1-Methyl-2-cyclohexen-1-ol, Aggregation Pheromones of *Dendroctonus pseudotsugae*", *J. Org. Chem.* **1996**, 61, 2882-2884.
5. Ceccherelli, P.; Curini, M.; Marcotullio, M.C.; **Epifano, F.**; Rosati, O. "Carbonyl Regeneration by Oxidative Cleavage of 1,3-Dithiolanes and 1,3-Dithianes", *Synlett* **1996**, 767-768.
6. Ceccherelli, P.; Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "A New Preparation of (1S,2R,4S)-(-)-4-Acetyl-1,2-epoxy-1-methylcyclohexane, a Unique Synthone for the Synthesis of the Sex Pheromone of the Southern Green Stinkbug, *Nezara viridula* (L.)", *Gazz. Chim. It.* **1997**, 127, 316-316.
7. Ballini, R.; Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "A New, Modulated, Oxidative Ring Cleavage of α -Nitrocycloalkanones by Oxone: Synthesis of α,ω -Dicarboxylic Acids and α,ω -Dicarboxylic Acid Monomethyl Esters", *Synlett* **1998**, 1149-1150.
8. Ceccherelli, P.; Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "Oxone Promoted Nef Reaction. Simple Conversion of Nitro Group into Carbonyl", *Synth. Commun.* **1998**, 28, 3057-3064.
9. Ceccherelli, P.; Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "Influence of a Hydroxy Group in the Asymmetric Reduction of Selenides: Synthesis of Naturally Occurring Monoterpenes", *Tetrahedron Asymmetry* **1998**, 9, 919-922.
10. Ceccherelli, P.; Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "One-step Conversion of Oximes to *Gem*-chloro-nitro Derivatives", *Tetrahedron Lett.* **1998**, 39, 4385-4386.

11. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O.; Costantino, U. "Zirconium Sulfophenyl Phosphonate as a Heterogenous Catalyst in Tetrahydropyranilation of Alcohols and Phenols", *Tetrahedron Lett.* **1998**, 39, 8159-8162.
12. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O.; Costantino, U. "Heterogenous Catalysis in Trimethylsilylation of Alcohols and Phenols by Zirconium Sulfophenyl Phosphonate", *Synth. Commun.* **1999**, 29, 541-546.
13. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O.; Rossi, M. "Potassium Exchanged Zirconium Hydrogen Phosphate as Heterogeneous Catalyst in Cyanosilylation of Carbonyl Compounds", *Synlett* **1999**, 315-316.
14. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O.; Rossi, M. "A New Method for the One-step Conversion of Oximes into *Gem*-halo-nitro Derivatives", *Tetrahedron* **1999**, 55, 6211-6218.
15. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "Oxone: a Convenient Reagent for the Oxidation of Acetals", *Synlett* **1999**, 777-779.
16. Tiberi, R.; Niccoli, A.; Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "The Role of the Monoterpene Composition in *Pinus* spp. Needles, in Host Selection by the Processionary Caterpillar, *Thaumetopoea pityocampa*", *Phytoparasitica* **1999**, 27, 263-272.
17. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O.; Rossi, M. "Heterogeneous Catalysis in Acetylation of Alcohols and Phenols Promoted by Zirconium Sulfophenyl Phosphonate", *Synth. Commun.* **2000**, 30, 1319-1329.
18. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O.; Guan, Y.; Wenkert, E. "A New Hydrindanone Synthesis", *Helv. Chim. Acta* **2000**, 83, 755-759.
19. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O.; Tsadjout, A. "*N*-Chlorination of Amides and Carbamates by Oxone and Sodium Chloride", *Synlett* **2000**, 813-814.
20. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O.; Rossi, M.; Tsadjout, A. "Potassium Exchanged Layered Zirconium Phosphate as Base Catalyst for the Desilylation of Phenol Silyl Ethers", *Synth. Commun.* **2000**, 30, 3181-3187.
21. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O.; Ballini, R.; Bosica, G. "Alumina Promoted Cyclization of α -Nitro-oximes: a New Entry to the Synthesis of 1,2,5-Oxadiazoles *N*-oxides (furoxans)", *Tetrahedron Lett.* **2000**, 41, 8817-8820.

22. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "The Reaction of Phenylselenenyl Triflate with Diazo Compounds", *Synlett* **2000**, 1813-1815.
23. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "Ytterbium Triflate Promoted Synthesis of 1,5-Benzodiazepine Derivatives", *Tetrahedron Lett.* **2001**, 42, 3193-3195.
24. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "An Efficient Procedure for the Preparation of Cyclic Ketals and Thioketals Catalyzed by Zirconium Sulfophenyl Phosphonate", *Synlett* **2001**, 1182-1184.
25. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "A Facile and Convenient Synthesis of 1,2,3,6-Tetrahydropyridazines Using Azodicarboxylates under Lanthanum Triflate Catalysis", *Heterocycles* **2001**, 55, 1599-1604.
26. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "Zirconium Sulfophenyl Phosphonate as Heterogeneous Catalyst in the Preparation of β -Amino Alcohols from Epoxides", *Eur. J. Org. Chem.* **2001**, 4149-4152.
27. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O.; Tsadjout, A. "Potassium Exchanged Layered Zirconium Phosphate as Base Catalyst in Knoevenagel Condensation", *Synth. Commun.* **2002**, 32, 355-362.
28. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "Simple and Regioselective Azidoiodination of Alkenes Using Oxone", *Tetrahedron Lett.* **2002**, 43, 1201-1203.
29. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O., Nocchetti, M. "Preparation and Deprotection of 1,1-Diacetates (Acylals) Using Zirconium Sulfophenyl Phosphonate as Catalyst", *Tetrahedron Lett.* **2002**, 43, 2709-2711.
30. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O. "The Synthesis of Solvent-Free Glycidic Esters from Diazoesters and Carbonyl Compounds Catalysed by Lanthanide Triflates", *Eur. J. Org. Chem.* **2002**, 1562-1565.
31. Curini, M.; **Epifano, F.**; Maltese, F.; Marcotullio, M.C. "Novel Chiral Schiff Base Ligands from Amino Acid Amides and Salicylaldehyde", *Tetrahedron Lett.* **2002**, 43, 3821-3823.
32. Curini, M.; **Epifano, F.**; Maltese, F.; Rosati, O. "Carbamate Synthesis from Amines and Dimethyl Carbonate under Ytterbium Triflate Catalysis", *Tetrahedron Lett.* **2002**, 43, 4895-4897.
33. **Epifano, F.**; Marcotullio, M.C.; Menghini, L. "Constituents of *Phagnalon sordidum*", *Chem. Nat. Compd.* **2002**, 204-205.

34. Rosas-Romero, A.; Martinez-Manchado, C.; Crescente, O.; Acosta, M.; Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O., Tubaro, A.; Sosa S. "Antiinflammatory Sesquiterpene Lactones from *Lourtegia ballotaefolia*", *Planta Med.* **2002**, 843-845.
35. Curini, M.; **Epifano, F.**; Maltese, F.; Marcotullio, M.C.; Prieto Gonzales, S.; Rodriguez, J.C. "Synthesis of Collinin, an Antiviral Coumarin", *Aust. J. Chem.* **2003**, 56, 59-60.
36. Curini, M.; **Epifano, F.**; Maltese, F.; Rosati, O. "Ytterbium Triflate Promoted Coupling Reaction Between Aryl Alkynes and Aldehydes", *Synlett* **2003**, 552-554.
37. Curini, M.; **Epifano, F.**; Maltese, F.; Marcotullio, M.C. "Aldol-Grob Reaction: Regioselective Synthesis of (E)-Alkenes from Aldehydes and Ketones under Ytterbium Triflate Catalysis", *Eur. J. Org. Chem.* **2003**, 1631-1634.
38. Fraternale, D.; Giamperi, L.; Ricci, D.; Rocchi, M.B.L.; Guidi, L.; **Epifano, F.**; Marcotullio, M.C. "The Effect of Triacontanol on Micropropagation and on Secretory System of *Thymus mastichina* L.", *Plant Cell. Tiss. Org. Cult.* **2003**, 74, 87-97.
39. Dieguez-Hurtado, R.; Garrido-Garrido, G.; Prieto-Gonzales, S.; Iznaga, Y.; Gonzales, L.; Molina-Torres, J.; Curini, M.; **Epifano, F.**; Marcotullio, M.C. "Antifungal Activity of Some Cuban *Zanthoxylum* Species", *Fitoterapia* **2003**, 74, 384-386.
40. Curini, M.; Bianchi, A.; **Epifano, F.**; Bruni, R.; Torta, L.; Zambonelli, A. "Composition and *In Vitro* Antifungal Activity of Essential Oils of *Erigeron canadensis* and *Myrtus communis* from France", *Chem. Nat. Compd.* **2003**, 2, 191-194.
41. Marcotullio, M.C.; **Epifano, F.**; Curini, M. "Recent Advances in the Use of Oxone in Organic Synthesis", *Trends Org. Chem.* **2003**, 10, 21-34.
42. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Montanari, F. "Oxone-KI Induced Lactonization and Etherification of Unsaturated Acids and Alcohols: a Formal Synthesis of Mintlactone", *Synlett* **2004**, 368-370.
43. Curini, M.; **Epifano, F.**; Maltese, F.; Marcotullio, M.C.; Tubaro, A.; Altinier, G.; Prieto Gonzales, S.; Rodriguez, J.C. "Synthesis and Anti-inflammatory Activity of Natural and Semisynthetic Geranyloxycoumarins", *Bioorg. Med. Chem. Lett.* **2004**, 14, 2241- 2243.
44. Ricci, D.; Fraternale, D.; **Epifano, F.**; Curini, M. "Composition and Antifungal Activity of Two Essential Oils of Hyssop (*Hyssopus officinalis* L.)", *J. Essent. Oil Res.* **2004**, 16, 617-622.

45. Curini, M.; **Epifano, F.**; Menghini, L.; Pagiotti, R. "Flavonoids and Tocopherols from *Paronychia kapela*", *Chem. Nat. Compd.* **2004**, 2, 190-191.
46. Curini, M.; **Epifano, F.**; Montanari, F.; Rosati, O.; Taccone S. "Ytterbium Triflate Promoted Synthesis of Benzimidazole Derivatives", *Synlett* **2004**, 1832-1834.
47. Ricci, D.; Fraternale, D.; Giamperi, L.; Bucchini, A.; **Epifano, F.**; Burini, G.; Curini, M. "Chemical Composition, Antimicrobial and Antioxidant Activity of the Essential Oil of *Teucrium marum* (Lamiaceae)", *J. Ethnopharmacol.* **2005** 98, 195-200.
48. Curini, M.; **Epifano, F.**; Marcotullio, M.C.; Rosati, O.; Guo, M.; Guan, Y.; Wenkert, E. "Hydrindanone Synthesis: an Incisterol Model", *Helv. Chim. Acta* **2005**, 88, 330-338.
49. Curini, M.; **Epifano, F.**; Genovese, S.; Marcotullio, M.C.; Rosati, O. "Ytterbium Triflate Promoted Tandem One-pot Oxidation-Cannizzaro Reaction of Aryl Methyl Ketones", *Org. Lett.* **2005**, 1331-1333.
50. Curini, M.; **Epifano, F.**; Chimichi, S.; Montanari, F.; Nocchetti, M.; Rosati, O. "Potassium Exchanged Layered Zirconium Phosphate as Catalyst in the Preparation of 4*H*-Chromenes", *Tetrahedron Lett.* **2005**, 3497-3499.
51. Curini, M.; **Epifano, F.**; Genovese, S. "Synthesis of a Novel Prodrug of 3-(4'-Geranyloxy-3'-methoxyphenyl)-2-*trans*-Propenoic Acid for Colon Delivery", *Bioorg. Med. Chem. Lett.* **2005**, 15, 5049-5052.
52. Fraternale, D.; Giamperi, L.; Bucchini, A.E.A.; Ricci, D.; **Epifano, F.**; Genovese, S.; Curini, M. "Composition and Antifungal Activity of Essential Oil of *Salvia sclarea* from Italy", *Chem. Nat. Compd.* **2005**, 5, 604-606.
53. Fraternale, D.; Giamperi, L.; Bucchini, A.E.A.; Ricci, D.; **Epifano, F.**; Burini, G.; Curini, M. "Chemical Composition, Antifungal and *In Vitro* Antioxidant Properties of *Monarda didyma* L. Essential Oil", *J. Essent. Oil Res.* **2006**, 18, 581-585.
54. Curini, M.; Cravotto, G.; **Epifano, F.**; Giannone, G. "Chemistry and Biological Activity of Natural and Synthetic Prenyloxycoumarins", *Curr. Med. Chem.* **2006**, 2, 199-222.
55. Kohno, H.; Suzuki, R.; Curini, M.; **Epifano, F.**; Maltese, F.; Prieto Gonzales, S.; Tanaka, T. "Dietary Administration with Prenyloxycoumarins, Auraptene and Collinin, Inhibits Colitis-Related Colon Carcinogenesis in Mice", *Int. J. Cancer* **2006**, 118, 2936-2943.
56. Curini, M.; **Epifano, F.**; Genovese, S.; Menghini, A.; Altinier, G.; Tubaro, A.;

- Menghini, L. "Fatty Acids Profile and Anti-inflammatory Activity of *Nonea setosa* R. et S.", *Phytotherapy Res.* **2006**, *20*, 422-423.
57. Curini, M.; **Epifano, F.**; Genovese, S.; Menghini, L.; Ricci, D.; Fraternale, D.; Giamperi, L.; Bucchini, A.; Bellacchio, E. "Lipoxygenase Inhibitory Activity of Boropinic Acid, Active Principle from *Boronia pinnata*", *Nat. Prod. Commun.* **2006**, *1*, 1141-1145.
58. Curini, M.; **Epifano, F.**; Genovese, S.; Marcotullio, M.C.; Menghini, L. "3-(4'-Geranyloxy-3'-Methoxyphenyl)-2-*trans* Propenoic Acid: a Novel Promising Cancer Chemopreventive Agent", *Anticancer Agents in Medicinal Chemistry* **2006**, *6*, 571-577.
59. Curini, M.; **Epifano, F.**; Genovese, S. "Ytterbium Triflate Catalyzed Synthesis of β -Keto Enol Ethers", *Tetrahedron Lett.* **2006**, *27*, 4697-4700.
60. Curini, M.; **Epifano, F.**; Genovese, S.; Tammaro, F.; Menghini, L. "Composition and Antimicrobial Activity of Essential Oil of *Artemisia dracunculus* L. "Piemontese" from Italy", *Chem. Nat. Compd.* **2006**, *42*, 738-739.
61. **Epifano, F.**; Menghini, L.; Pagiotti, R.; Angelini, P.; Genovese, S.; Curini, M. "In vitro Inhibitory Activity of Boropinic Acid Against *Helicobacter pylori*", *Bioorg. Med. Chem. Lett.* **2006**, *16*, 5523-5525.
62. **Epifano, F.**; Genovese, S.; Menghini, L.; Curini, M. "Chemistry and Pharmacology of Oxyprenylated Secondary Plant Metabolites", *Phytochemistry* **2007**, *68*, 939-953.
63. **Epifano, F.**; Curini, M.; Genovese, S.; Blaskovich, M.; Hamilton, A.; Sebti, S.M. "Prenyloxyphenylpropanoids as Novel Lead Compounds for the Selective Inhibition of Geranylgeranyl Transferase I", *Bioorg. Med. Chem. Lett.* **2007**, *17*, 2639-2642.
64. **Epifano, F.**; Curini, M.; Genovese, S. "Ytterbium Triflate Catalyzed Synthesis of β -Enaminones", *Tetrahedron. Lett.* **2007**, *48*, 2717-2720.
65. **Epifano, F.**; Genovese, S.; Sosa, S.; Tubaro, A.; Curini, M. "Synthesis and Anti-inflammatory Activity of 3-(4'-Geranyloxy-3'-methoxyphenyl)-2-*trans* Propenoic Acid and Its Ester Derivatives", *Bioorg. Med. Chem. Lett.* **2007**, *17*, 5709-5714.
66. Fraternale, D.; Giamperi, L.; Bucchini, A.; Ricci, D.; **Epifano, F.**; Genovese, S.; Curini, M. "Chemical Composition and Antifungal Activity of the Essential Oil of *Satureja montana* from Central Italy", *Chem. Nat. Compd.* **2007**, *43*, 622-624.

67. Giamperi, L.; Fraternale, A.; Cara, P.; Ricci, D.; **Epifano, F.**; Curini, M. "Analysis of Essential Oil from Wild and Domesticated Plants of *Glechoma sardoa* Beg." *J. Essent. Oil Res.* **2008**, 20, 38-40.
68. Menghini, L.; **Epifano, F.**; Leporini, L.; Pagiotti, R.; Tirillini, B. "Phytochemical Investigation on Leaf Extract of *Cordia salicifolia* Cham.", *J. Med. Food* **2008**, 11, 193-4.
69. Bodet, C.; La, V.D.; **Epifano, F.**; Grenier, D. "Naringenin Has Anti-inflammatory Properties in Macrophage and ex vivo Human Blood Models", *J. Period. Res.* **2008**, 43, 400-407.
70. Bodet, C.; **Epifano, F.**; Genovese, S.; Curini, M.; Grenier, D. "Effects of 3-(4'-Geranyloxy-3'-methoxyphenyl)-2-*trans* Propenoic Acid and its Ester Derivatives on Biofilm Formation by Two Oral Pathogens, *Porphyromonas gingivalis* and *Streptococcus mutans*", *Eur. J. Med. Chem.* **2008**, 43, 1612-1620.
71. **Epifano, F.**; Molinaro, G.; Genovese, S.; Teke Ngomba, R.; Nicoletti, F.; Curini, M. "Neuroprotective Effect of Prenyloxycoumarins from Edible Vegetables", *Neurosci. Lett.* **2008**, 443, 57-60.
72. Menghini, L.; **Epifano, F.**; Tammaro, F.; Tirillini, B. "Phytochemical Studies and Antiradical Activity of *Artemisia coerulescens* from Abruzzo", *Chem. Nat. Compd.* **2008**, 2, 247-249.
73. Giamperi, L.; Bucchini, A.; Fraternale, A.; Cara, P.; Ricci, D.; **Epifano, F.**; Genovese, S.; Curini, M. "Chemical Composition and Antioxidant Activity of the Essential Oil of *Teucrium massiliense* L.", *J. Essent. Oil Res.* **2008**, 446-449.
74. Miyamoto, S.; **Epifano, F.**; Curini, M.; Genovese, S.; Kimi, M.; Ishigamori-Suzuki, R.; Yasui, Y.; Sugie, S.; Tanaka, T. "A Novel Prodrug of 4'-Geranyloxyferulic Acid Suppresses Colitis-related Colon Carcinogenesis in Mice", *Nutr. Canc.* **2008**, 5, 675-684.
75. Chiavaroli, A.; La, V.D.; Orlando, G.; Menghini, L.; **Epifano, F.**; Grenier, D. "*Rhamnus alpinus* Leaf Extract Suppresses Lipopolysaccharide-Induced, Monocyte-Derived Macrophage Chemokine Secretion", *Inflammation* **2008**, 22, 313-18.
76. **Epifano, F.**; Genovese, S.; Marcotullio, M.C.; Curini, M. "Chemistry and Pharmacology of Collinin, Active Principle of *Zanthoxylum* spp.", *Mini Rev Med Chem.* **2008**, 8, 1203-1208.
77. Curini, M.; Genovese, S.; Menghini, L.; Marcotullio, M.C.; **Epifano, F.** "Phytochemistry and Pharmacology of *Boronia pinnata* Sm.", *Nat. Prod.*

Commun. **2008**, *3*, 2145-2150.

78. Genovese, S.; **Epifano, F.**; Pelucchini, C.; Curini, M. "Preparation of Triaryl- and Triheteroarylmethanes Under Ytterbium Triflate Catalysis and Solvent-free Conditions", *Eur. J. Org. Chem.* **2009**, 1132-1135.
79. Touati, E.; Michel, V.; Correia, M.; Menghini, L.; Genovese, S.; Curini, M.; **Epifano, F.** "Boropinic acid, a Novel inhibitor of *Helicobacter pylori* Stomach Colonization", *J. Antimicrob. Chemoth.* **2009**, 210-211.
80. Bellardi, M.G.; Contaldo, N.; Benni, A.; Curini, M.; **Epifano, F.**; Genovese, S.; Bertaccini, A. "Effects of Phytoplasma Infection on the Quality of *Grindelia robusta* Essential Oil", *J. Plant Pathol.* **2009**, *91*, 240.
81. **Epifano, F.**; Leporini, L.; Luzzi, R.; Menghini, L. "Composition of the Essential Oil from *Trinia dalechampii* (Ten.)", *J. Essent. Oil Res.* **2009**, 323-324.
82. Genovese, S.; Curini, M.; **Epifano, F.** "Chemistry and Biological Activity of Azoprenylated Secondary Metabolites", *Phytochemistry* **2009**, *70*, 1082-1091.
83. Genovese, S.; **Epifano, F.**; Curini, M.; Dudra-Jastrzebska, M.; Luszczki, J.J. "Prenyloxyphenylpropanoids as a Novel Class of Anticonvulsive Agents", *Bioorg. Med. Chem. Lett.* **2009** *19*, 5419-5422.
84. Giamperi, L.; Bucchini, A.; Cara, P.; Fraternale, D.; Ricci, D.; Genovese, S.; Curini, M.; **Epifano, F.** "Composition and Antioxidant Activity of *Nepeta foliosa* Essential Oil from Sardinia (Italy)", *Chem. Nat. Compd.* **2009** *45*, 554-556.
85. Locatelli, M.; Tammaro, F.; Menghini, L.; Carlucci, G.; **Epifano, F.**; Genovese, S. "Anthraquinone Profile and Chemical Fingerprint of *Rhamnus saxatilis* from Italy", *Phytochemistry Lett.* **2009**, *2*, 223-226.
86. Brunetti, L.; Menghini, L.; Orlando, G.; Recinella, L.; Leone, S.; **Epifano, F.**; Lazzarin, F.; Chiavaroli, A.; Ferrante, C.; Vacca, M. "Antioxidant Effects of Garlic in Young and Aged Rat Brain *in Vitro*", *J. Med. Food* **2009** *12*, 1166-1169.
87. **Epifano, F.**; Curini, M.; Menghini, L.; Genovese, S. "Natural Coumarins as a Novel Class of Neuroprotective Agents", *Mini Rev. Med. Chem.* **2009**, *9*, 1262-1271.
88. **Epifano, F.**; Pelucchini, C.; Curini, M.; Genovese, S. "Insights on Novel Biologically Active Natural Products: 7-Isopentenylloxycoumarin", *Nat. Prod. Commun.* **2009**, *12*, 1755-1760.

89. Tanaka, T.; de Azevedo M.B.; Durán, N.; Alderete, J.B.; **Epifano, F.**; Genovese, S.; Tanaka, M.; Tanaka, T.; Curini, M. "Colorectal Cancer Chemoprevention by 2 β -Cyclodextrin Inclusion Compounds of Auraptene and 4'-Geranyloxyferulic acid", *Int. J. Cancer* **2010**, 126, 830-840.
90. Menghini, L.; Leporini, L.; Tirillini, B.; **Epifano, F.**; Genovese, S. "Chemical Composition and Inhibitory Activity Against *Helicobacter pylori* of the Essential Oil of *Apium nodiflorum* (Apiaceae)", *J. Med. Food* **2010**, 13, 228-230.
91. Genovese, S.; Foreman, J.E.; Borland, M.G.; **Epifano, F.**; Gonzalez, F.J.; Curini, M.; Peters, J.M. "A Natural Propenoic Acid Derivative Activates Peroxisome Proliferator-Activated Receptor- β/δ (PPAR β/δ)", *Life Sci.* **2010**, 86, 493-498.
92. Genovese, S.; Tammara, F.; Menghini, L.; Carlucci, G.; **Epifano, F.**; Locatelli, M. "Comparison of Three Different Extraction Methods and HPLC Determination of the Anthraquinones Aloe-emodine, Emodine, Rheine, Chrysophanol and Physcione in the Bark of *Rhamnus alpinus* L. (Rhamnaceae)", *Phytochem. Anal.* **2010**, 21, 261-267.
93. Genovese, S.; Curini, M.; **Epifano, F.** "Prenyloxyphenylpropanoids as a Novel Class of Anti-inflammatory Agents", *Anti-inflammatory and Anti-Allergy Agents in Medicinal Chemistry* **2010**, 9, 158-165.
94. Genovese, S.; **Epifano, F.**; Carlucci, G.; Marcotullio, M.C.; Curini, M.; Locatelli, M. "Quantification of 4'-Geranyloxyferulic Acid, a New Natural Colon Cancer Chemopreventive Agent, by HPLC-DAD in Grapefruit Skin Extract", *J. Pharm. Biomed. Anal.* **2010**, 53, 212-214.
95. Genovese, S.; **Epifano, F.**; Pelucchini, C.; Procopio, A.; Curini, M. "Ytterbium Triflate Catalyzed Synthesis of Chlorinated Lactones", *Tetrahedron Lett.* **2010**, 51, 5992-5995.
96. De Medina, P.; Genovese, S.; Paillasse, M.; Mazaheri, M.; Caze-Subra, S.; Bystricky, K.; Curini, M.; Silvente-Poirot, S.; **Epifano, F.**; Poirot, M. "Auraptene is an Inhibitor of Cholesterol Esterification and a Modulator of Estrogen Receptor", *Mol. Pharmacol.* **2010**, 78, 827-836.
97. La, V.D.; Francesco Lazzarin, F.; Ricci, D.; Fraternale, D.; Genovese, S.; **Epifano, F.**; Grenier, D. "Active Principles of *Grindelia robusta* Exert Antiinflammatory Properties in a Macrophage Model", *Phytotherapy Res.* **2010**, 24, 1687-1692.
98. Menghini, L.; **Epifano, F.**; Genovese, S.; Marcotullio, M.C.; Sosa, S.; Tubaro, A. "Antiinflammatory Activity of Coumarins from *Ligusticum lucidum* Mill. subsp. *cuneifolium* (Guss.) Tammara (Apiaceae)" *Phytotherapy Res.* **2010**,

24, 1697-1699.

99. **Epifano, F.**; Genovese, S.; Rosati, O.; Tagliapietra, S.; Pelucchini, C.; Curini, M. "Ytterbium Triflate Catalysed Synthesis of β -Functionalized Indole Derivatives", *Tetrahedron Lett.* **2011**, 52, 568-571.
100. **Epifano, F.**; Sosa, S.; Tubaro, A.; Marcotullio, M.C.; Curini, M., Genovese, S. "Topical Anti-inflammatory Activity of Boropinic Acid and Its Semi-synthetic Derivatives", *Bioorg. Med. Chem. Lett.* **2011**, 21, 769-772.
101. Bertaccini, A.; Contaldo, N.; Benni, A.; Curini, M.; Genovese, S.; **Epifano, F.**; Bellardi, M.G. "Effects of 'Candidatus Phytoplasma asteris' on the Volatile Chemical Content and Composition of *Grindelia robusta* Nutt.", *J. Phytopathol.* **2011**, 159, 124-126.
102. Feldman, M.; Tanabe, S.I.; **Epifano, F.**; Genovese, S.; Curini, M.; Grenier, D. "Antibacterial and Anti-inflammatory Activities of 4-Hydroxycordoin: Potential Benefits for Periodontal Disease", *J. Nat. Prod.* **2011**, 1, 26-31.
103. Genovese, S.; **Epifano, F.** "Auraptene: a Natural Biologically Active Compound with Multiple Targets", *Curr. Drug Targets* **2011**, 12, 381-386.
104. Messier, C.; **Epifano, F.**; Genovese, S.; Grenier, D. "Inhibition of *Candida albicans* Biofilm Formation and Yeast-hyphal Transition by 4-Hydroxycordoin" *Phytomedicine* **2011**, 18, 380-383.
105. Locatelli, M.; Carlucci, G.; Genovese, S.; Curini, M.; **Epifano, F.** "Use of HPLC in the Determination of the Molar Absorptivity of 4'-Geranyloxyferulic Acid and Boropinic Acid", *Chromatographia* **2011**, 73, 889-896.
106. Genovese, S.; **Epifano, F.**; Curini, M.; Menger, D.; Zembruski, N.C.L.; Weiss, J. "In Vitro Effects of Natural Prenyloxycinnamic Acids on Human Cytochrome P450 Isozyme Activity and Expression", *Phytomedicine* **2011**, 18, 586-591.
107. **Epifano, F.**; Pelucchini, C.; Rosati, O.; Genovese, S.; Curini, M. "Ytterbium Triflate Promoted One-Pot Three Component Synthesis of 3,4,5-Trisubstituted-3,6-dihydro-2H-1,3-oxazines", *Catalysis Lett.* **2011**, 141, 844-848.
108. Genovese, S.; **Epifano, F.**; Marcotullio, M.C.; Pelucchini, C.; Curini, M. "An Alternative Quinoline Synthesis by via Friedländer Reaction Catalyzed by Yb(OTf)₃", *Tetrahedron Lett.* **2011**, 52, 3474-3477.
109. Bruyere, C.; Genovese, S.; Lallemand, B.; Ionescu-Motatu, A.; Curini, M.; Kiss, R.; **Epifano, F.** "Growth Inhibitory Activities of Oxyprenylated and Non-prenylated Naturally Occurring Phenylpropanoids in Cancer Cell Lines",

Bioorg. Med. Chem. Lett. **2011**, 21, 4173-4178.

110. Locatelli, M.; **Epifano, F.**; Genovese, S.; Carlucci, G.; Zovko Koncic, M.; Kosalec, I.; Kremer, D. "Anthraquinone Profile, Antioxidant and Antimicrobial Properties of Bark Extracts of *Rhamnus catharticus* and *R. orbiculatus*", *Nat. Prod. Commun.* **2011**, 6, 1275-1280.
111. Genovese, S.; Curini, M.; Gresele, P.; Corazzi, T.; **Epifano F.** "Inhibition of COX-1 Activity and COX-2 Expression by 3-(4'-Geranyloxy-3'-methoxyphenyl)-2-*trans* Propenoic Acid and its Semi-synthetic Derivatives", *Bioorg. Med. Chem. Lett.* **2011**, 21, 5995-5998.
112. Pellati, F.; **Epifano, F.**; Contaldo, N.; Orlandini, G.; Cavicchi, L.; Genovese, S.; Bertelli, D.; Benvenuti, S.; Curini, M.; Bertaccini, A.; Bellardi, M.G. "Chromatographic Methods for Metabolite Profiling of Virus- and Phytoplasma-Infected Plants of *Echinacea purpurea*", *J. Agr. Food Chem.* **2011**, 59, 10425-10434.
113. **Epifano, F.**; Curini, M.; Marcotullio, M.C.; Genovese, S. "Searching for Novel Cancer Chemopreventive Plants and Their Products: the Genus *Zanthoxylum*", *Curr. Drug Targets* **2011**, 13, 1895-1902.
114. Kremer, D.; Kosalec, I.; Locatelli, M.; **Epifano, F.**; Genovese, S.; Carlucci, G.; ZovkoKoncic, M. "Anthraquinone Profiles, Antioxidant and Antimicrobial Properties of *Frangula rupestris* (Scop.) Schur and *Frangula alnus* Mill. Bark", *Food Chem.* **2012**, 131, 1174-1180.
115. Messier, C.; **Epifano, F.**; Genovese, S.; Grenier, D. "Licorice and its Potential Beneficial Effects in Common Oro-dental Diseases", *Oral Dis.* **2012**, 18, 32-39.
116. Mollica, A.; Genovese, S.; Pinnen, F.; Stefanucci, A.; Curini, M.; **Epifano, F.** "Ytterbium Triflate Catalysed Meerwein-Ponndorf-Verley (MPV) Reduction", *Tetrahedron Lett.* **2012**, 53, 890-892.
117. Locatelli, M.; Genovese, S.; Carlucci, G.; Kremer, D.; Randic, M.; **Epifano, F.** "Development and Application of High-Performance Liquid Chromatography for the Study of Two New Oxyprenylated Anthraquinones Produced by *Rhamnus* Species", *J. Chrom. A.* **2012**, 1225, 113-120.
118. Curini, M.; **Epifano, F.**; Messina, F.; Genovese, S. "Antibacterial Properties of Auraptene and Oxyprenylated Naturally Occurring Benzoic and Cinnamic Acids", *BLACPM* **2012**, 11, 74-76.
119. Locatelli, M.; Governatori, L.; Carlucci, G.; Genovese, S.; Mollica, A.; **Epifano, F.** "Recent Application of Analytical Methods to Phase I and Phase II Drugs Development: a Review", *Biomed. Chromatogr.* **2012**, 26, 283-300.

120. Cenci, E.; Messina, F.; Rossi, E.; **Epifano, F.**; Marcotullio, M.C. "Antiviral Furanosesquiterpenes from *Commiphora erythraea*", *Nat. Prod. Commun.* **2012**, 7, 143-144.
121. **Epifano, F.**; Genovese, S.; Carlucci, G.; Locatelli M. "Novel Prodrugs for the Treatment of Colonic Diseases Based on 5-Aminosalicylic Acid, 4'-Geranyloxyferulic Acid, and Auraptene: Biological Activities and Analytical Assays", *Curr. Drug Deliv.* **2012**, 9, 112-121.
122. Genovese, S.; **Epifano, F.**; Curini, M.; Kremer, D.; Carlucci, G.; Locatelli M. "Screening for Oxyprenylated Anthraquinones in *Rhamnus* Mediterranean Species", *Biochem. Syst. Ecol.* **2012**, 43, 125-127.
123. **Epifano, F.**; Genovese, S.; Squires, J.E.; Gray, M.A. "Nelumal A, the Active Principle from *Ligularia nelumbifolia*, is a Novel Farnesoid X Receptor Agonist", *Bioorg. Med. Chem. Lett.* **2012**, 22, 3130-3135.
124. Genovese, S.; **Epifano, F.** "Recent Developments in the Pharmacological Properties of 4'-Geranyloxyferulic Acid, a Colon Cancer Chemopreventive Agent of Natural Origin", *Curr. Drug. Targets* **2012**, 13, 1083-1088.
125. Bonifait, L.; Marquis, A.; Genovese, S.; **Epifano, F.**; Grenier, D. "Synthesis and Antimicrobial Activity of Geranyloxy- and Farnesyloxy-Acetophenone Derivatives Against Oral Pathogens", *Fitoterapia* **2012**, 83, 996-999.
126. **Epifano, F.**; Genovese, S.; Kremer, D.; Randic, M.; Carlucci, G.; Locatelli, M. "Re-investigation of the Anthraquinone Pool of *Rhamnus* spp.: Madagascine from the Fruits of *Rhamnus cathartica* and *R. intermedia*", *Nat. Prod. Commun.* **2012**, 7, 1029-1032.
127. Ribeiro da Silva, C.; Michel, V.; Genovese, S.; Prevost, M.C.; **Epifano, F.**; Touati, E. "Anti-*Helicobacter pylori* Activities of Natural Isopentenylloxycinnamyl Derivatives from *Boronia pinnata*", *Nat. Prod. Commun.* **2012**, 7, 1347-1350.
128. Marquis, A.; **Epifano, F.**; Genovese, S.; Grenier D. "The Plant Coumarins Auraptene and Lacinartin as Potential Multifunctional Therapeutic Agents for Treating Periodontal Disease", *BMC Complementary and Alternative Medicine* **2012**, 12,80
129. **Epifano, F.**; Genovese, S. "Euphorbol Acetate from *Crepis lacera*", *Chem. Nat. Compd.* **2012**, 48, 910-911.
130. Kosalec, I.; Kremer, D.; Locatelli, M.; **Epifano, F.**; Genovese, S.; Carlucci, G.; Randić, M.; Zovko Končić, M. "Anthraquinone Profile, Antioxidant and Antimicrobial Activity of Bark Extracts of *Rhamnus alaternus*, *R. fallax*, *R. intermedia* and *R. pumila*", *Food Chem.* **2013**, 136, 335-341.

131. Mercolini, L.; Mandrioli, R.; Ferranti, A.; Sorella, V.; Protti, M.; **Epifano, F.**; Curini, M.; Raggi, M.A. "Quantitative Evaluation of Auraptene and Umbelliferone, Chemopreventive Coumarins in Citrus Fruits, by HPLC-UV-FL-MS.", *J. Agr. Food Chem.* **2013**, *61*, 1694-1701.
132. Genovese, S.; **Epifano, F.**; Fiorito, S.; Curini, M.; Marrelli, M.; Menichini, F.; Conforti, F. "Conjugation of L-NAME to Prenyloxycinnamic Acids Improves Its Inhibitory Effects on Nitric Oxide Production", *Bioorg. Med. Chem. Lett.* **2013**, *23*, 2933-2935.
133. **Epifano, F.**; Genovese, S.; Miller, R.; Majumdar, A.P.N. "Auraptene and Its Effects on the Re-emergence of Colon Cancer Stem Cells", *Phytotherapy Res.* **2013**, *27*, 784-786.
134. Santos, J.; Marquis, A.; **Epifano, F.**; Genovese, S.; Curini, M.; Grenier, D. "Collinin Reduces *Porphyromonas gingivalis* Growth and Collagenase Activity and Inhibits the Lipopolysaccharide-Induced Macrophage Inflammatory Response and Osteoclast Differentiation and Function", *J. Periodont.* **2013**, *84*, 704-711.
135. Fiorito, S.; **Epifano, F.**; Bruyere, C.; Kiss, R.; Genovese, S. "In vitro Anti-proliferative Effect of Naturally Occurring Oxyprenylated Chalcones", *Nat. Prod. Commun.* **2013**, *8*, 1089-1092.
136. **Epifano, F.**; Fiorito, S.; Carlucci, G.; Locatelli, M.; Genovese, S. "Phytochemistry and Pharmacognosy of Naturally Occurring Prenyloxanthraquinones", *Curr. Drug Targets* **2013**, *14*, 959-963.
137. **Epifano, F.**; Fiorito, S.; Genovese, S. "Phytochemistry and Pharmacognosy of the Genus *Acronychia*", *Phytochemistry*, **2013**, *95*, 12-18.
138. Vu, D.L.; Zhao, L.; **Epifano, F.**; Genovese, S.; Grenier, D. "Anti-inflammatory and Wound Healing Potential of *Citrus* Auraptene", *J. Med. Food* **2013**, *16*, 961-964.
139. **Epifano, F.**; Fiorito, S.; Genovese, S. "Phytochemistry and Pharmacognosy of the Genus *Psorospermum*", *Phytochemistry Rev.* **2013**, *12*, 673-684.
140. **Epifano, F.**; Genovese, S.; Fiorito, S.; Della Loggia, R.; Tubaro, A.; Sosa, S. "In Vivo Anti-inflammatory Activity of Some Naturally Occurring O- and N-Prenyl Secondary Metabolites", *Nat. Prod. Commun.* **2014**, *9*, 85-86.
141. Fiorito, S.; **Epifano, F.**; Bruyere, C.; Mathieu, V.; Kiss, R.; Genovese, S. "Growth Inhibitory Activity for Cancer Cell Lines of Lapachol and Its Natural and Semisynthetic Derivatives", *Bioorg. Med. Chem. Lett.* **2014**, *24*, 454-457.
142. **Epifano, F.**; Genovese, S.; Fiorito, S.; Mathieu, V.; Kiss, R. "Lapachol and its

Congeners as Anticancer Agents: a Review" *Phytochemistry Rev.* **2014**, *13*, 37-49.

143. Bonifait, L.; Zhao, L.; Azelmat, J.; Genovese, S.; **Epifano, F.**; Grenier, D. "Synthesis and Biological Activities of 2,6-Dihydroxy-4-Isopentenylloxylchalcone as an Antimicrobial and Anti-Inflammatory Compound", *Med. Chem.* **2014**, *3*, 300-303.
144. Genovese, S.; **Epifano, F.**; Carlucci, G.; Fiorito, S.; Locatelli, M. "HPLC Analysis of 4'-Geranyloxyferulic and Boropinic Acids in Grapefruits of Different Geographical Origin", *Phytochem. Lett.* **2014**, *8*, 190-192.
145. Shimizu, M.; Kochi, T.; Shirakami, Y.; Genovese, S.; **Epifano, F.**; Fiorito, S.; Mori, T.; Tanaka, T.; Moriwaki, H. "A Newly Synthesized Compound, 4'-Geranyloxyferulic Acid-N(omega)-Nitro-L-Arginine Methyl Ester Suppresses Inflammation Associated Colorectal Carcinogenesis in Male Mice", *Int. J. Canc.* **2014**, *135*, 774-785.
146. Fiorito, S.; Genovese, S.; **Epifano, F.** "An Easy Way to Pyrimidine Based Nucleoterpene", *Nat. Prod. Commun.* **2014**, *9*, 749-751.
147. **Epifano, F.**, Genovese, S.; Fiorito, S.; Magne Nde, C.; Clyne, C. "Nelumal A, the Active Principle of *Ligularia nelumbifolia*, is a Novel Aromatase Inhibitor", *Nat. Prod. Commun.* **2014**, *9*, 823-824.
148. Mollica, A.; Costante, R.; Fiorito, S.; Genovese, S.; Stefanucci, A.; Mathieu, V.; Kiss, R.; **Epifano, F.** "Synthesis and Anticancer Activity of Naturally Occurring 2,5-Diketopiperazines", *Fitoterapia* **2014**, *98C*, 91-97.
149. Genovese, S.; Fiorito, S.; Locatelli, M.; Carlucci, G.; **Epifano, F.** "Analysis of Biologically Active Ferulic Acid Derivatives in Citrus Fruits", *Plant Foods Hum. Nutr.* **2014**, *69*, 255-260.
150. Bodet, C.; Burucoa, C.; Rouillon, S.; Bellin, N.; Taddeo, V.A.; Fiorito, S.; Genovese, S.; **Epifano, F.** "Antibacterial Activities of Oxyprenylated Chalcones and Naphthoquinones against *Helicobacter pylori*", *Nat. Prod. Commun.* **2014**, *9*, 1299-1301.
151. **Epifano, F.**, Fiorito, S.; Locatelli, M.; Taddeo, V.A.; Genovese, S. "Screening for Novel Plant Sources of Prenyloxanthraquinones: *Senna alexandrina* Mill. and *Aloe vera* (L.) Burm. F.", *Nat. Prod. Res.* **2015**, *29*, 180-184.
152. Taddeo, V.A.; **Epifano, F.**; Fiorito, S.; Genovese, S. "A Novel Oxyprenylated Metabolite in *Citrusparadisi* Macfad. Seeds Extracts", *Biochem. Syst. Ecol.* **2015**, *2*, 72-74.
153. Genovese, S.; Fiorito, S.; Specchiulli, M.C.; Taddeo, V.A.; **Epifano, F.**

- "Microwave-assisted Synthesis of Xanthenes Promoted by Ytterbium Triflate", *Tetrahedron Lett.* **2015**, 56, 847-850.
154. Fiorito, S.; Genovese, S.; Taddeo, V.A.; **Epifano, F.** "Microwave-assisted Synthesis of Coumarin-3-carboxylic Acids Under Ytterbium Triflate Catalysis", *Tetrahedron Lett.* **2015**, 56, 2434-2436.
 155. Taddeo, V.A.; **Epifano, F.**; Genovese, S.; Fiorito, S. "Inhibition of Soybean 15-Lipoxygenase by Naturally Occurring Acetophenones and Derricidin", *Nat. Prod. Commun.* **2015**, 10, 589-590.
 156. Fiorito, S.; **Epifano, F.**; Taddeo, V.A.; Genovese, S. "Analysis of Biologically Active Oxyprenylated Ferulic Acid Derivatives in Citrus-based Typical Italian Liquors", *Czech J. Food Sci.* **2015**, 33, 237-241.
 157. **Epifano, F.**; Fiorito, S.; Genovese, S.; Granica, S.; Vitalini, S.; Zidorn, H.C. "Phytochemistry of the Genus *Skimmia* (Rutaceae)", *Phytochemistry* **2015**, 115, 27-43.
 158. **Epifano, F.**; Specchiulli, S.; Taddeo, V.A.; Fiorito, S.; Genovese, S. "Phytochemistry and Pharmacognosy of the Genus *Tovomita*", *Nat. Prod. Commun.* **2015**, 10, 1115-1118.
 159. **Epifano, F.**; Fiorito, S.; Taddeo, V.A.; Genovese, S. "4'-Geranyloxyferulic Acid: an Overview of its Potentialities as an Anti-cancer and Anti-inflammatory Agent", *Phytochemistry Rev.* **2015**, 14, 607-612.
 160. Azelmat, J.; Fiorito, S.; Taddeo, V.A.; Genovese, S.; **Epifano, F.**; Grenier, D. "Synthesis and Evaluation of Antibacterial and Anti-inflammatory Properties of Naturally Occurring Coumarins", *Phytochemistry Lett.* **2015**, 13, 399-405.
 161. Azelmat, J.; Fiorito, S.; Genovese, S.; **Epifano, F.**; Grenier, D. "Antibacterial and Anti-inflammatory Activities of Ppc-1, Active Principle of the Cellular Slime Mold *Polysphondilium pseudo-candidum*", *Med. Chem.* **2015**, 11, 666-669.
 162. Genovese, S.; Fiorito, S.; **Epifano, F.**; Taddeo, V.A. "A Novel Class of Emerging Anticancer Compounds: Oxyprenylated Secondary Metabolites from Plants and Fungi", *Curr. Med. Chem.* **2015**, 22, 3426-3433.
 163. Genovese, S.; Taddeo, V.A.; Fiorito, S.; **Epifano, F.** "Quantification of 4'-Geranyloxyferulic Acid (GOFA) in Honey Samples of Different Origin by Validated RP-HPLC-UV Method", *J. Pharm. Biomed. Anal.* **2016**, 117, 577-580.
 164. Genovese, S.; Taddeo, V.A.; **Epifano, F.**; Fiorito, S. "Complexes of Lapachol and Lawsone with Lanthanides", *Nat. Prod. Commun.* **2015**, 10, 1811-1812.

165. Taddeo, V.A.; Genovese, S.; **Epifano, F.**, Fiorito, S. "Synthesis of the Furan Nucleus Promoted by Ytterbium Triflate", *Nat. Prod. Commun.* **2015**, *10*, 1813-1815.
166. Fiorito, S.; Genovese, S.; Taddeo, V.A.; Mathieu, V.; Kiss, R.; **Epifano, F.** "Novel Juglone and Plumbagin O-Derivatives and Their *In Vitro* Growth Inhibitory Activity Against Apoptosis-resistant Cancer Cells", *Bioorg. Med. Chem. Lett.* **2016**, *26*, 334-337.
167. Fiorito, S.; Genovese, S.; **Epifano, F.**; Mathieu, V.; Kiss, R.; Taddeo, V. A. "Cytotoxic Activity of Lomatol and 7-(3'-Hydroxymethyl-3'-methylallyloxy)coumarin", *Nat. Prod. Commun.* **2016**, *11*, 407-408.
168. Hill, K.; Fiorito, S.; Taddeo, V.A.; Schulze, A.; Leonhardt, M.; **Epifano, F.**; Genovese, S. "Plumbagin, Juglone, and Boropinalas Novel TRPA1 Agonists", *J. Nat. Prod.* **2016**, *79*, 697-703.
169. Fiorito, S.; **Epifano, F.**; Taddeo, V.A.; Genovese, S. "Ytterbium Triflate Promoted Coupling of Phenols with Propiolic Acids: Synthesis of Coumarins", *Tetrahedron Lett.* **2016**, *57*, 2939-2942.
170. Taddeo, V.A., **Epifano, F.**; Fiorito, S.; Genovese, S. "Comparison of Different Extraction Methods and HPLC Quantification of Prenylated and Unprenylated Phenylpropanoids in Raw Italian Propolis", *J. Pharm. Biomed. Anal.* **2016**, *129*, 219-223.
171. Di Giulio, M.; Genovese, S.; Fiorito, S.; **Epifano, F.**; Nostro, A.; Cellini, L. "Antimicrobial Evaluation of Selected Naturally Occurring Oxyprenylated Secondary Metabolites", *Nat. Prod. Res.* **2016**, *30*, 1870-1874.
172. Fiorito, S.; Taddeo, V.A., Genovese, S.; **Epifano, F.** "a Green Chemical Synthesis of Coumarin-3-Carboxylic and Cinnamic Acids Using Crop-derived Products and Waste Waters as Solvents", *Tetrahedron Lett.* **2016**, *57*, 4795-4798.
173. Okuyama, S.; Semba, T.; Toyoda, N.; **Epifano, F.**; Genovese, S.; Fiorito, S.; Taddeo, V.A.; Sawamoto, A.; Nakajima, M.; Furukawa, Y. "Auraptene and Other Prenyloxyphenylpropanoids Suppress Microglial Activation and Dopaminergic Neuronal Cell Death in a Lipopolysaccharide-induced Model of Parkinson's Disease" *Int. J. Mol. Sci.* **2016**, *17*, 1716.
174. Genovese, S.; Fiorito, S.; Taddeo, V.A.; **Epifano, F.**; Paciotti, R.; Coletti, C.; Franceschelli, S.; Speranza, L.; Ferrone, A.; Felaco, M.; Patruno, A. "Effects of Geranyloxycinnamic Acids on COX-2 and iNOS Functionalities in LPS-Stimulated U937 Mononuclear Cells", *Chem. Select* **2016**, *1*, 5479-5486.
175. Fiorito, S.; **Epifano, F.**; de Medina, P.; Taddeo, V.A.; Genovese, S. "Two

Novel Cinnamic Acid Derivatives in Honey and Propolis", *J. Apicult. Res.* **2016**, *55*, 228-229.

176. Genovese, S.; Fiorito, S.; Taddeo, V.A.; **Epifano, F.** "Recent Developments in the Pharmacology of Prenylated Xanthenes", *Drug Disc. Today* **2016**, *21*, 1814-1819.
177. Chen, S.; Lv, B.; Kobayashi, S.; Xiong, Y.; Sun, P.; Lin, Y.; Genovese, S.; **Epifano, F.**; Hou, S.; Tang, F.; Ji, Y.; Yu, D. "Madagascine Induces Vasodilatation via Activation of AMPK", *Front. Pharmacol.* **2016**, *7*, 435.
178. Fiorito, S.; Taddeo, V.A.; **Epifano, F.**; Genovese, S. "Ultrasound-promoted Synthesis of 4(3*H*)-Quinazolines Under Yb(OTf)₃ catalysis", *Arkivoc* **2017**, *2*, 68-75.
179. Taddeo, V.A.; Genovese, S.; Carlucci, G.; Ferrone, V.; Patruno, A.; Ferrone, A.; de Medina, P.; Fiorito, S.; **Epifano, F.** "Quantitative Profiling of 4'-Geranyloxyferulic Acid and Its Conjugate with L-Nitroarginine Methyl Ester in Mononuclear Cells by High Performance Liquid Chromatography with Fluorescence Detection", *J. Pharm. Biomed. Anal.* **2017**, *133*, 49-55.
180. Taddeo, V.A.; Genovese, S.; De Medina, P.; Palmisano, R.; **Epifano, F.**; Fiorito, S. "Quantification of Biologically Active O-prenylated and Unprenylated Phenylpropanoids in Dill (*Anethum graveolens*), anise (*Pimpinella anisum*), and Wild Celery (*Angelica archangelica*)", *J. Pharm. Biomed. Anal.* **2017**, *134*, 319-324.
181. Fiorito, S.; **Epifano, F.**; Preziuso, F.; Taddeo, V.A.; Santi, C.; Genovese, S. "New Insights into the Seleniranium Ion Promoted Cyclization of Prenyl and Propenylbenzene Aryl Ethers", *Tetrahedron Lett.* **2017**, *58*, 371-374.
182. Ricci, D.; **Epifano, F.**; Fraternali D. "The Essential Oil of *Monarda didyma* L. (Lamiaceae) Exerts Phytotoxic Activities *in Vitro* Against Various Weed Seeds", *Molecules* **2017**, *22*, 222.
183. Fiorito, S.; Genovese, S.; Curini, M.; Preziuso, F.; Taddeo, V.A.; **Epifano, F.** "Ytterbium Triflate Promoted Solvent-free Synthesis of 2-Amino-4*H*-Pyrans", *Tetrahedron Lett.* **2017**, *58*, 1659-1661.
184. Di Francesco, M.; Primavera, M.; Fiorito, S.; Cristiano, M.C.; Taddeo, V.A.; **Epifano, F.**; Di Marzio, L.; Genovese, S.; Celia, C. "Acronychia baueri Analogue Derivative Loaded Ultradeformable Vesicles: Physicochemical Characterization and Potential Applications", *Planta Med.* **2017**, *83*, 482-491.
185. Mattarelli, P. **Epifano, F.**; Minardi, P.; Di Vito, M.; Modesto, M.; Barbanti, L.; Bellardi, M.G. "Chemical Composition and Antimicrobial Activity of Essential Oils from Aerial parts of *Monarda didyma* and *Monarda fistulosa* Cultivated in

Italy", *J. Essent. Oil Bear. Pl.* **2017**, *20*, 76-86.

186. Genovese, S.; Taddeo, V.A.; Fiorito, S.; **Epifano, F.**; Marrelli, M.; Conforti, F. "Inhibition of Nitric Oxide Production by Natural Oxyprenylated Coumarins and Alkaloids in Raw 264.7 Cells", *Phytochemistry Lett.* **2017**, *20*, 181-185.
187. Fiorito, S.; **Epifano, F.**; Palmisano, R.; Genovese, S.; Taddeo, V.A. "A Re-investigation of the Phytochemical Composition of the Edible Herb *Amaranthus retroflexus* L.", *J. Pharm. Biomed. Anal.* **2017**, *143*, 183-187.
188. Kawasaki, T.; Takeichi, Y.; Tomita, M.; Uwai, Y.; **Epifano, F.**; Fiorito, S.; Taddeo, V.A.; Genovese, S.; Nabekura, T. "Effects of Phenylpropanoids on Human Organic Anion Transporters hOAT1 and hOAT3", *Biochem. Biophys. Res. Commun.* **2017**, *489*, 375-380.
189. Gargaro, M.; **Epifano, F.**; Fiorito, S.; Taddeo, V.A.; Genovese, S.; Turco, A.; Puccetti, P.; Schmidt-Weber, C.B.; Fallarino, F. "Interaction of 7-Alkoxy coumarins with the Aryl Hydrocarbon Receptor", *J. Nat. Prod.* **2017**, *80*, 1939-1943.
190. Genovese, S.; Ashida, H.; Yamashita, Y.; Nakgano, T.; Ikeda, M.; Daishi, S.; **Epifano, F.**; Taddeo, V.A.; Fiorito, S. "The Interaction of Auraptene and Other Oxyprenylated Phenylpropanoids with Glucose Transporter Type 4", *Phytomedicine*, **2017**, *32C*, 74-79.
191. Genovese, S.; Taddeo, V.A.; **Epifano, F.**; Fiorito, S.; Bize, C.; Rives, A.; de Medina, P. "Characterization of the Degradation Profile of Umbelliprenin, a Bioactive Coumarin from a *Ferulago* species", *J. Nat. Prod.* **2017**, *80*, 2424-2431.
192. Hasan, M.; Genovese, S.; Fiorito, S.; **Epifano, F.**; Witt-Enderby P.A. "Oxyprenylated Phenylpropanoids Bind to MT1 Melatonin Receptors and Inhibit Breast Cancer Cell Proliferation and Migration", *J. Nat. Prod.* **2017**, *80*, 3324-3329.
193. Ferrone, V.; Genovese, S.; Carlucci, M.; Tiecco, M.; Germani, R.; Preziuso, F.; **Epifano, F.**; Carlucci, G.; Taddeo, V.A. "A Green Deep Eutectic Solvent Dispersive Liquid-Liquid Micro-extraction (DES-DLLME) for the UHPLC-PDA Determination of Oxyprenylated Phenylpropanoids in Olive, Soy, Peanuts, Corn, and Sunflower Oil", *Food Chem.* **2018**, *245*, 578-585.
194. Genovese, S.; **Epifano, F.**; Fiorito, S.; Taddeo, V.A.; Preziuso, F.; Fraternale, D. "Modulation of the Phenylpropanoid Geranylation Step in *Anethum graveolens* L. Cultured calli by Ferulic acid and Umbelliferone", *Ind. Crops Prod.* **2018**, *117*, 128-130.
195. Scotti, L.; Genovese, S.; Bucciarelli, T.; Martini, F.; **Epifano, F.**; Fiorito, S.;

- Preziuso, F.; Taddeo, V.A. "Analysis of Biologically Active Oxyprenylated Phenylpropanoids in Tea Tree Oil Using Selective Solid-phase Extraction with UHPLC–PDA Detection", *J. Pharm. Biomed. Anal.* **2018**, *154*, 174-179.
196. Genovese, S.; Taddeo, V.A.; **Epifano, F.**; Fiorito, S. "Prenylated Coumarins of the Genus *Citrus*: an Overview of the 2006-2016 Literature Data. *Curr. Med. Chem.* **2018**, *25*, 1186-1193.
 197. Fiorito, S.; **Epifano, F.**; Preziuso, F.; Cacciatore, I.; Di Stefano, A.; Taddeo, V.A., de Medina, P.; Genovese, S. "Natural Oxyprenylated Coumarins Are Modulators of Melanogenesis", *Eur. J. Med. Chem.* **2018**, *152*, 274-282.
 198. Fiorito, S.; **Epifano, F.**; Preziuso, F.; Taddeo, V.A., Genovese, S. "Selenylated Plant Polysaccharides: a Survey of Their Chemical and Pharmacological Properties", *Phytochemistry* **2018**, *153*, 1-10.
 199. Fiorito, S.; **Epifano, F.**; Taddeo, V.A., Genovese, S. "Recent Acquisitions on Oxyprenylated Secondary Metabolites as Anti-inflammatory Agents", *Eur. J. Med. Chem.* **2018**, *153*, 116-122.
 200. Fiorito, S.; **Epifano, F.**; Preziuso, F.; Taddeo, V.A., Genovese, S. "Waste Waters of Milk and Cheese Processing as an Efficient Promoter for the Synthesis of 1,8-Dioxo-octahydroxanthones", *Bulg. Chem. Comm.* **2018**, *2*, 189-193.
 201. **Epifano, F.**; Taddeo, V.A., Genovese, S.; Preziuso, F.; Fraternale, D. "Modulation of the Prenylation Step in *Anethum graveolens* L. Cultured calli. Part II. The role of p-Cumaric Acid and Boropinic Acid", *Ind. Crops Prod.* **2018**, *117*, 209-212.
 202. Toujani, M.M.; Rittà, M.; Civra, A.; Genovese, S.; **Epifano, F.**; Ghram, A.; Lembo, D.; Donalisio, M. "Inhibition of HSV-2 Infection by Pure Compounds from *Thymus capitatus* Extract *in Vitro*". *Phytother. Res.* **2018**, *32*, 1555-1563.
 203. Zekkori, B.; Khallaouki, F.; Bentayeb, A.; Fiorito, S.; Preziuso, F.; Taddeo, V.A.; **Epifano, F.**; Genovese, S. "A New Phytochemical and Anti-oxidant and Anti-inflammatory Activities of Different *Lactuca sativa* var. *crispa* Extracts", *Nat. Prod. Commun.* **2018**, *13*, 1139-1142.
 204. Preziuso, F.; Taddeo, V.A.; Genovese, S.; **Epifano, F.**; Fiorito, S. "Phytochemistry of the Genus *Trichocolea*", *Nat. Prod. Commun.* **2018**, *13*, 1205-1207.
 205. Fiorito, S.; Preziuso, F.; **Epifano, F.**; Scotti, I.; Bucciarelli, T.; Taddeo, V.A.; Genovese, S. "Novel Biologically Active Principles from Spinach, Goji and Quinoa", *Food Chem.* **2019**, *276*, 262-265.

206. **Epifano, F.**; Preziuso, F.; Taddeo, V.A.; Fiorito, S.; Genovese, S. "An Example of a Novel Efficient Plant Extraction Technique: Electromagnetic Induction Heating", *Molecules* **2018**, 23, 3048.
207. Erdogan Orhan, I.; SezerSenol Denis, F.; EkhteiriSalmas, R.; Durdagi, S.; **Epifano, F.**; Genovese, S.; Fiorito, S. "Combined Molecular Modeling and Cholinesterase Inhibition Studies on Some Natural and Semisynthetic O-Alkylcoumarin Derivatives", *Bioorg. Chem.* **2019**, 84, 355-362.
208. Taddeo, V.A.; **Epifano, F.**; Preziuso, F.; Fiorito, S.; Caron, N.; Rives, A.; de Medina, P.; Poirot, M.; Silvente Poirot, S.; Genovese, S. "HPLC Analysis and Skin Whitening Effects of Umbelliprenin-containing Extracts of *Anethum graveolens*, *Pimpinella anisum*, and *Ferulago campestris*", *Molecules* **2019**, 24, 501.
209. Genovese, S.; **Epifano, F.**; de Medina, P.; Caron, N.; Rives, A.; Poirot, M.; Silvente Poirot, S.; Fiorito, S. "Natural and Semisynthetic Oxyprenylated Aromatic Compounds as Stimulators or Inhibitors of Melanogenesis", *Bioorg. Chem.* **2019**, 87, 181-190.
210. Fiorito, S.; Ianni, F.; Preziuso, F.; **Epifano, F.**; Scotti, L.; Bucciarelli, T.; Genovese, S. "UHPLC/UV-Vis Quantitative Analysis of Hydroxylated and O-Prenylated Coumarins in Pomegranate Seeds Extracts", *Molecules* **2019**, 24, 1963.
211. Fiorito, S.; **Epifano, F.**; Taddeo, V.A.; Genovese, S.; Preziuso, F. "A Survey of the Anti-microbial Properties of Naturally Occurring Prenyloxyphenylpropanoids and Related Compounds", *Curr. Top. Med. Chem.* **2018**, 18, 2097-2101.
212. Franceschelli, S.; Gatta, D.M.P.; Pesce, M.; Ferrone, A.; Quiles, J.L.; Genovese, S.; **Epifano, F.**; Fiorito, S.; Taddeo, V.A.; Patruno, A.; Grilli, A.; Felaco, M.; Speranza, L. "Modulation of CAT-2B-Mediated-L-Arginine Uptake and Nitric Oxide Biosynthesis in HCT116 Cell Line Through Biological Activity of 4'-Geranyloxyferulic Acid extract from Quinoa Seeds", *Int. J. Mol. Sci.* **2019**, 20, 3262.
213. Genovese, S.; **Epifano, F.**; Preziuso, F.; Slater, J.; Nangia-Makker, P.; Majumdar, A.P.N.; Fiorito, S. "Gercumin Synergizes the Action of 5-Fluorouracil and Oxaliplatin Against Chemoresistant Human Cancer Colon Cells", *Biochem. Biophys. Res. Commun.* **2020**, 522, 95-99.
214. Genovese, S.; **Epifano, F.**; Preziuso, F.; Stefanucci, A.; Scotti, L.; Bucciarelli, T.; Di Profio, P.; Canale, V.; Fiorito, S. "A Novel and Efficient Subcritical Butane Extraction Method and UHPLC Analysis of Oxyprenylated Phenylpropanoids from Grapefruits Peels", *J. Pharm. Biomed. Anal.* **2020**, 184, 113185.

215. Fiorito, S.; Genovese, S.; Palumbo, L.; Scotti, L.; Ciulla, M.; Di Profio, P.; **Epifano, F.** "Umbelliprenin as a Novel Component of the Phytochemical Pool from *Artemisia* spp.", *J. Pharm. Biomed. Anal.* **2020**, *184*, 113205.
216. Genovese, S.; **Epifano, F.**; Palumbo, L.; Pulito, G.; Bastianini, M.; Cardellini, F.; Spogli, R.; Fiorito, S. "Solid Phase Adsorption of Emodin on Hydrotalcites and Inorganic Oxides: a Preliminary Study", *J. Pharm. Biomed. Anal.* **2020**, *187*, 113348.
217. Majid-Sharifi, R.; **Epifano, F.**; Fiorito, S.; Alvarez-Suarez, J.M. "Phytochemical Analysis and Biological Investigation on *Nepeta juncea* Benth. different extracts", *Plants* **2020**, *9*, 646.
218. Nabekura, T.; Kawasaki, T.; Kato, Y.; Kawai, K.; Fiorito, S.; **Epifano, F.**; Genovese, S.; Uwai, Y. "Citrus Auraptene Induces Drug Efflux Transporter P-Glycoprotein Expression in Human Intestinal Cells", *Food Funct.* **2020**, *11*, 5017-5023.
219. **Epifano, F.**; Genovese, S.; Marchetti, L.; Palumbo, L.; Bastianini, M.; Cardellini, F.; Spogli, R.; Fiorito, S. "Solid Phase Adsorption of Anthraquinones from Plant Extracts by Lamellar Solids", *J. Pharm. Biomed. Anal.* **2020**, *190*, 113515.
220. Sharifi-Rad, M.; Pohl, P.; **Epifano, F.**; Alvarez-Suarez, J.M. "Green Synthesis of Silver Nanoparticles Using *Astragalus tribuloides* Delile. Root Extract: Characterization, Antioxidant, Antibacterial, and Anti-Inflammatory Activities. *Nanomaterials* **2020**, *10*, 2383.
221. Preziuso, F.; Genovese, S.; Marchetti, L.; Sharifi-Rad, M.; Palumbo, L.; **Epifano, F.**; Fiorito, S. "7-Isopentenylcoumarin: What is New Across the Last Decade", *Molecules* **2020**, *25*, 5923.
222. Miyazaki, T.; Shirakami, Y.; Mizutani, T.; Maruta, A.; Ideta, T.; Kubota, M.; Sakai, H.; Ibuka, T.; Genovese, S.; Taddeo, V.A.; Fiorito, S.; **Epifano, F.**; Tanaka, T.; Shimizu, M. "Novel FXR Agonist Nelumal A Suppresses Colitis and Inflammation Related Colorectal Carcinogenesis", *Sci. Rep.* **2021**, *11*, 492.
223. Genovese, S.; **Epifano, F.**; Marchetti, L.; Bastianini, M.; Cardellini, F.; Spogli, R.; Fiorito, S. "Pre-concentration of Active Principles from Different Varieties of *Camellia sinensis* Extracts by Solid Sorbents", *J. Pharm. Biomed. Anal.* **2021**, *196*, 113945.
224. Sharifi-Rad, M.; Pohl, P.; **Epifano, F.** "Phytofabrication of Silver Nanoparticles (AgNPs) with Pharmaceutical Capabilities Using *Otostegia persica* (Burm.) Boiss. Leaf Extract", *Nanomaterials* **2021**, *11*, 1045.

225. Faraone, I.; Russo, D.; Genovese S.; Milella, L.; Monné, M.; **Epifano, F.**; Fiorito, S. "Screening of *in Vitro* and *in Silico* α -Amilase, α -Glucosidase, and Lipase Inhibitory Activity of Oxyprenylated Natural Compounds and Semisynthetic Derivatives", *Phytochemistry* **2021**, 187, 112781.
226. Fiorito, S.; **Epifano, F.**; Marchetti, L.; Genovese, S. "Semisynthesis of Selenoauraptene", *Molecules* **2021**, 26, 2798.
227. Fiorito, S.; **Epifano, F.**; Preziuso, F.; Marchetti, L.; Bastianini, M.; Cardellini, F.; Spogli, R.; Genovese, S. "Solid Phase Adsorption of Curcumin from Turmeric Extracts by Lamellar Solids and Magnesium Oxide and Hydroxide", *Food Anal. Meth.* **2021**, 14, 1133-1139.
228. Fiorito, S.; **Epifano, F.**; Marchetti, L.; Palumbo, L.; Mascioli, F.; Bastianini, M.; Cardellini, F.; Spogli, R.; Genovese, S. "An Improved Method for the Isolation of Amarogentin, the Bitter Principle of Yellow Gentian Roots", *Food Chem.* **2021**, 364, 130383.
229. Genovese, S.; **Epifano, F.**; Marchetti, L.; Bastianini, M.; Cardellini, F.; Spogli, R.; Fiorito, S. "Preconcentration of Capsaicinoids from Different Cultivars of *Capsicum annuum* After Extraction in Heterogeneous Mixtures", *J. Food Compos. Anal.* **2021**, 102, 104052.
230. Genovese, S.; **Epifano, F.**; Rollinger, J. M.; Fiorito, S. "PPAR γ Transcription Effect on Naturally Occurring O-Prenyl Cinnamaldehydes and Cinnamyl Alcohols Derivatives" *Future Med. Chem.* **2021**, 13, 1175-1183.
231. Fiorito, S.; **Epifano, F.**; Palumbo, L.; Genovese, S. "A Novel Auraptene-Enriched *Citrus* Peels Blend with Enhanced Antioxidant Activity", *Plant Foods Hum. Nutr.* **2021**, 76, 397-398.
232. Lambertini, E.; Penolazzi, L.; Pelliello, G.; Pipino, C.; Pandolfi, A.; Fiorito, S.; **Epifano, F.**; Genovese, S.; Piva, R. "Pro-Osteogenic Properties of *Violina pumpkin* (*Cucurbita moschata*) Leaf Extracts: Data from In Vitro Human Primary Cell Cultures", *Nutrients* **2021**, 13, 2633.
233. Fiorito, S.; Palumbo, L.; **Epifano, F.**; Collevicchio, C.; Cardellini, F.; Bastianini, M.; Spogli, R.; Genovese, S. "An Easy Way for the Hydrolysis, Pre-concentration, and Chemical Stabilization of Crocetin from Saffron Powder", *Food Chem.* **2022**, 377, 132040.
234. Fiorito, S.; **Epifano, F.**; Palumbo, L.; Collevicchio, C.; Genovese, S. "A Revised Version of the Iwaoka's Assay: Application of Hyphenated Techniques", *J. Pharm. Biomed. Anal.* **2022**, 212, 114652.
235. Fiorito, S.; **Epifano, F.**; Marchetti, L.; Palumbo, L.; Erdogan Orhan, I.; Sharidi Rad, M.; Genovese, S. "Oxyprenylated Secondary Metabolites as Modulators

of Lipid and Sugar Metabolism”, *Curr. Top. Med. Chem.* **2022**, 22, 189-198.

236. Sharifi Rad, M.; Pohl, P.; **Epifano, F.**; Zengin, G.; Jaradat, N.; Messaoudi, M. “*Teucrium polium* (L.): Phytochemical Screening and Biological Activities at Different Phenological Stages”, *Molecules* **2022**, 27, 1561.
237. Fiorito, S.; **Epifano, F.**; Palumbo, L.; Collevicchio, C.; Bastianini, M.; Cardellini, F.; Spogli, R.; Genovese, S. “Efficient Removal of Tartrazine from Aqueous Solutions by Solid Sorbents”, *Sep. Pur. Technol.* **2022**, 290, 120910.
238. Genovese, S.; **Epifano, F.**; Palumbo, L.; Collevicchio, C.; Bastianini, M.; Cardellini, F.; Spogli, R.; Fiorito, S. “A Novel and Efficient Concentration of Pomegranate Juice with Enhanced Antioxidant Activity”, *Food Chem.* **2022**, 387, 132901.
239. Fiorito, S., **Epifano, F.**; Palumbo, L.; Collevicchio, C.; Genovese, S. “A Subcritical Butane-Based Extraction of Non-Psychoactive Cannabinoids from Hemp Inflorescences”, *Ind. Crops Prod.* **2022**, 183, 114955.
240. Fiorito, S., Preziuso, F.; Sharifi-Rad, M.; Marchetti, L.; **Epifano, F.**; Genovese, S. “Auraptene and Umbelliprenin: a Review on Their Latest Literature Acquisitions”, *Phytochemistry Rev.* **2022**, 21, 317-326.
241. Pelusi, L.; Mandatori, D.; Di Pietrantonio, N.; Del Pizzo, F.; Di Tomo, P.; Di Pietro, N.; Buda, R.; Genovese, S.; **Epifano, F.**; Pandolfi, A.; Fiorito, S.; Pipino, C. “Estrogen Receptor 1 (ESR1) and the Wnt/ β -Catenin Pathway Mediate the Effect of the Coumarin Derivative Umbelliferone on Bone Mineralization”, *Nutrients* **2022**, 14, 3209.
242. **Fiorito, S.**; **Epifano, F.**; Palumbo, L.; Collevicchio, C.; Mascioli, F.; Spogli, R.; Genovese, S. “Leaves of Yellow Gentian (*Gentiana lutea*) as an Alternative Source of Bitter Secoiridoid Glycosides”, *J. Nat. Prod.* **2022**, 85, 2232-2235.
243. Galluzzi, S.; Zanardini, R.; Ferrari, C.; Gipponi, S.; Passeggia, I.; Rampini, M.; Sgrò, G.; Genovese, S.; **Fiorito, S.**; Palumbo, L.; Pievani, M.; Frisoni, G. B.; **Epifano, F.** “Cognitive and Biological Effects of Citrus Phytochemicals in Subject Cognitive Decline: a 36-Week, Randomized, Placebo-controlled Trial”, *Nutr. J.* **2022**, 21, 64.
244. Mazzatenta, A.; Fiorito, S.; Guadagnini, R.; Genovese, S.; Valentini, A.; Bonadiman, F.; Guadagnini, S.; **Epifano, F.**; Mollica, A. “The Evanescent Bouquet of Individual Bear Fingerprint”, *Animals* **2023**, 13, 220.
245. **Epifano, F.**; Genovese, S.; Palumbo, L.; Collevicchio, C.; Fiorito, S. “Protection of Mitochondrial Potential and Activity by Oxyprenylated

Phenylpropanoids”, *Antioxidants*, 2023, 12, 259.

246. Fiorito, S.; Collevicchio, C.; **Epifano, F.**; Genovese, S.; Palumbo, L. “Oxyprenylated Secondary Metabolites: a Survey of Their Innovative Extraction Methodologies”, *Phytochem. Rev.* **2023**, 22, 73-84.
247. Lambertini, E.; Penolazzi, L.; Notarangelo, M. P.; Fiorito, S.; **Epifano, F.**; Pandolfi, A.; Piva, R. “Pro-differentiating Compounds for Human Invertebral Disc Cells Are Present in *Violina pumpkin* Extracts”, *Int. J. Mol. Med.* **2023**, 51, 39.
248. Palumbo, L.; Genovese, S.; Collevicchio, C.; **Epifano, F.**; Fiorito, S. “Novel Insights into the Biomolecular Mechanism of Action of 4'-Geranyloxyferulic Acid, a Colon Cancer Chemopreventive Agent”, *Phytochemistry* **2023**, 211, 113706.
249. Fiorito, S.; **Epifano, F.**; Palumbo, L.; Collevicchio, C.; Spogli, R.; Genovese, S. “Separation and Quantification of Tartrazine (E102) and Brilliant Blue FCF (E133) in green colored foods and beverages”, *Food Res. Int.* **2023**, 172, 113094.
250. Genovese, S.; **Epifano, F.**; Palumbo, L.; Collevicchio, C.; Fiorito, S. “An Easy Way for the Removal of Residual Hydrocarbon Fraction from Crystallized Cannabigerol and Cannabidiol”, *Food Bioprod. Process.* **2023**, 142, 50-58.
251. Fiorito, S.; Genovese, S.; **Epifano, F.**; Collevicchio, C. “Prolidase Activity Assays: a Survey of the Reported Literature Methodologies”, *Anal. Biochem.* **2024**, 689, 115506.
252. Fiorito, S.; Collevicchio, C.; Spogli, R.; **Epifano, F.**; Genovese, S. “Novel Procedures for Olive Leaves Processing: Selective Isolation of Oleuropein and Elenolic Acid”, *Food Chem.* **2024**, 447, 139038.
253. Fiorito, S.; Genovese, S.; **Epifano, F.**; Collevicchio, C. “Two Additional Oxyprenylated Phenylpropanoids from *Citrus paradisi* Macfad. Seeds Extract”, *Biochem. Syst. Ecol.* **2024**, 114, 104819.
254. Fiorito, S.; Collevicchio, C.; **Epifano, F.**; Genovese, S. “Targeting Prolidase: a Survey of the Literature Data to Depict a Structure-activity Relationship Frame to Address Future Studies for Drug Development”, *Bioorg. Chem. Lett.* **2024**, 110, 117833.
255. Fiorito, S.; Palumbo, L.; **Epifano, F.**; Fraternale, D.; Collevicchio, C.; Genovese, S. “Modulation of the Biosynthesis of Oxyprenylated Coumarins from *Ferulago campestris* Elicited by Ferulic Acid”, *Biomass Convers. Biorefin.* **2024**, 14, 13187-123193.

256. Galluzzi, S.; Marizzoni, M.; Gatti, E.; Bonfiglio, N. S.; Cattaneo, A.; Epifano, F.; Frisoni, G. B.; Genovese, S.; Geviti, A.; Marchetti, L.; Sgrò, G.; Solorzano, C. S.; Pievani, M.; Fiorito, S. "Citrus Supplementation in Subjective Cognitive Decline: Results of a 36-Week, Randomized, Placebo-Controlled Trial", *Nutr. J.* **2024**, 23, 135.
257. Collevicchio, C.; Genovese, S.; **Epifano, F.**; Marchetti, L.; Fiorito, S. "Albumin as an Effective Auxiliary Agent for the Enriched Extraction of Anthraquinones and Curcumin from Plant Matrices", *Molecules* **2025**, 30, 249.
258. Collevicchio, C.; Genovese, S.; Epifano, F.; Fiorito, S. "HPLC-based Kinetics Assay for Monitoring Prolidase Activity", *J. Pharm. Biomed. Anal.* **2025**, 264, 116961.
259. Dansereau, S. J.; Shekhtman, A.; **Epifano, F.**; Genovese, S.; Fiorito, S.; Beglet, Y. J.; Sheng, J. "A Geranylated Natural Product Simamycin Disrupts the Allosteric Catalysis of tRNA-2-selenouridine Synthase SelU", *Biochemistry* **2025**, 64, 2640-2648.
260. Dansereau, S. J.; Shekhtman, A.; Genovese, S.; Collevicchio, C.; Fiorito, S.; Beglet, Y. J.; **Epifano, F.**; Sheng, J. "An Oxyprenylated Phenylpropanoid Pharmacologic Scaffold for SelU Inhibition", *ChemBioChem* **2025**, e202500280.
261. Collevicchio, C.; Marchetti, L.; **Epifano, F.**; Genovese, S.; Fiorito, S. "Analytical Methods Applied to Auraptene: a Mini Review", *Nat. Prod. Anal.* **2025**, 1, 10003.
262. Collevicchio, C.; Fiorito, S.; **Epifano, F.**; Genovese, S. "Glutathione Peroxidase-like Activity of Natural and Semisynthetic Phenylpropanoids and Cannabinoids: An Analytical Investigation by a GC-MS- and HPLC-DAD-Based Iwaoka's Assay", *J. Pharm. Biomed. Anal.* **2026**, 272, 117381.

LIST OF COMMUNICATIONS AT CONGRESSES

Oral Communications

1. P. Ceccherelli, M. Curini, **F. Epifano**, M.C. Marcotullio, O. Rosati "Sintesi di (R)- ed (S)-1-metil-1-idrossi-2-cicloesene, feromoni sessuali del *Dendroctonus pseudotsugae*", TUM 94 – XIII Convegno Interregionale Tosco-Umbro-Marchigiano, Camerino (MC), 12-13 Maggio 1994.
2. P. Ceccherelli, M. Curini, M.C. Marcotullio, O. Rosati, **F. Epifano** "Ossidazione di seleniuri con Ozone: un nuovo ed efficace metodo per la preparazione di selenoni", TUMA 95, XIV Convegno Interregionale Tosco-Umbro-Marchigiano-

Abruzzese, Terni, 11-12 Maggio 1995.

3. P. Ceccherelli, M. Curini, **F. Epifano**, M.C. Marcotullio, O. Rosati "Sintesi del feromone sessuale della *Nezara viridula*", TUMA 97, XVI Convegno Interregionale Tosco-Umbro-Marchigiano-Abruzzese, Lucca, 19-20 Giugno 1997.
4. P. Ceccherelli, M. Curini, M.C. Marcotullio, **F. Epifano**, O. Rosati "Stereoselettività della riduzione di β -idrossiseleniuri", TUMA 97, XVI Convegno Interregionale Tosco-Umbro-Marchigiano-Abruzzese, Lucca, 19-20 Giugno 1997.
5. P. Ceccherelli, M. Curini, **F. Epifano**, M.C. Marcotullio, O. Rosati, R. Tiberi, A. Niccoli "Risultati preliminari nel controllo della processionaria del pino, *Thaumetopoea pityocampa*, mediante monoterpeni del genere *Pinus*", 9° Congresso Nazionale della Società Italiana di Fitochimica, Cetraro (CS), 27-30 Maggio 1998.
6. M. Curini, **F. Epifano**, M.C. Marcotullio, O. Rosati "Alogenazione-ossidazione di ossime promossa da Oxone: sintesi di *gem*-alo-nitro derivati", TUMA 99, XVIII Convegno Interregionale Tosco-Umbro-Marchigiano-Abruzzese, Perugia, 3-5 Giugno 1999.
7. M. Curini, **F. Epifano**, M.C. Marcotullio, O. Rosati "Nuove metodologie per la preparazione di idrindani quali intermedi per la sintesi di prodotti naturali", 10° Congresso Nazionale della Società Italiana di Fitochimica, Firenze, 7-10 Maggio 2000.
8. M. Curini, **F. Epifano**, M.C. Marcotullio, O. Rosati "Decomposizione di diazoacetil-furani catalizzata da rodio acetato dimero: sintesi di idrindani quali intermedi per la sintesi di prodotti naturali" V Convegno Nazionale Giornate di Chimica delle Sostanze Naturali NAT5, Napoli, 21-22 Giugno 2000.
9. M. Curini, **F. Epifano**, M.C. Marcotullio, O. Rosati "Interazione tra diazoesteri e composti carbonilici catalizzata da lantanio triflato: sintesi di α,β -epossidi esteri", XXVII Convegno Nazionale della Divisione di Chimica Organica, Società Chimica Italiana, Trieste, 3-7 Settembre 2001.
10. M. Curini, **F. Epifano**, F. Maltese, M.C. Marcotullio, S. Prieto-Gonzales, J.C. Rodriguez "Sintesi della collinina, cumarina ad attività antivirale ed antiaggregante isolata da *Zanthoxylum schinifolium*", 11° Congresso Nazionale della Società Italiana di Fitochimica, Riolo Terme (RA), 6-9 Ottobre 2002.
11. M. Curini, **F. Epifano**, M.C. Marcotullio, O. Rosati "Una nuova metodologia per la preparazione di γ -lattoni e tetraidrofurani, importanti sintoni per la sintesi di prodotti naturali", 11° Congresso Nazionale della Società Italiana di

Fitochimica, Riolo Terme (RA), 6-9 Ottobre 2002.

12. M. Curini, **F. Epifano**, F. Maltese, M.C. Marcotullio "Sintesi ed attività biologica di O-geranil cumarine naturali e semisintetiche", VI Convegno Nazionale Giornate di Chimica delle Sostanze Naturali NAT6, Vietri sul Mare (SA), 29 Settembre – 1 Ottobre 2003.
13. S. Genovese, M. Curini, **F. Epifano** "Sintesi di un nuovo profarmaco dell'acido 4'-geranilossiferulico", Scuola di Fitochimica "P. Ceccherelli" 2005, Perugia, 20-22 Ottobre 2005.
14. **F. Epifano**, M. Curini, S. Genovese, L. Menghini, T. Tanaka "Synthesis and preliminary colon cancer chemoprevention evaluation of a novel prodrug of 4'-geranyloxy-ferulic acid, active principle of *Acronychia baueri* Schott", 54th Annual Congress on Medicinal Plant Research, 29 Agosto – 2 Settembre 2006, Helsinki (Finlandia).
15. S. Genovese, M. Curini, **F. Epifano**, L. Menghini, T. Tanaka "Un nuovo profarmaco dell'acido 4'-geranilossi-ferulico, principio attivo antitumorale di *Acronychia baueri* Schott", XV Congresso Italo-Latinoamericano di Etnomedicina "Ivano Morelli", Perugia, 23-27 Settembre, Roma, 28 Settembre 2006.
16. L. Menghini, **F. Epifano**, F. Tammaro, B. Tirillini, C. Campestre "Indagini fitochimiche su *Verbascum* spp. da popolamenti spontanei abruzzesi", XV Congresso Italo-Latinoamericano di Etnomedicina "Ivano Morelli", Perugia, 23-27 Settembre, Roma, 28 Settembre 2006.
17. F. Tammaro, **F. Epifano**, L. Menghini "Lo zafferano in Italia", XVI Congresso Italo-Latinoamericano di Etnomedicina "Carlo L. Spegazzini", La Plata (Argentina), 4-8 Settembre 2007.
18. S. Genovese, **F. Epifano**, M. Curini "Sintesi e proprietà biologiche dell'acido 4'-geranilossiferulico", Convegno Interregionale TUMA 2007, Assisi, 26-28 Settembre 2007.
19. S. Genovese, **F. Epifano**, M. Curini "Sintesi e proprietà farmacologiche dell'acido 4'-geranilossiferulico", Scuola di Fitochimica "P. Ceccherelli 2007", Tempio Pausania (SS), 3-6 Ottobre 2007.
20. **F. Epifano**, S. Genovese, L. Menghini, S. Sosa, A. Tubaro, R. Della Loggia, M. Curini "Topical anti-inflammatory activity of boropinic acid and of its natural and semi-synthetic derivatives", 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Atene (Grecia), 3-8 Agosto 2008.
21. **F. Epifano**, S. Genovese, L. Menghini, Y. Yasui, T. Oyama, T. Tanaka, M. Curini "Prenyloxyphenylpropanoids as a novel class of colon cancer

chemopreventive agents", International PSE Symposium on Natural Products in Cancer Therapy, Napoli, 23-26 Settembre 2008.

22. **F. Epifano**, S. Genovese, M. Curini "Prenyloxyphenylpropanoids: synthesis and neuroprotective activity", NAT8, VIII Convegno Nazionale Giornate di Chimica delle Sostanze Naturali, Forte dei Marmi (LU), 22-25 Maggio 2009.
23. S. Genovese, P. De Medina, S. Silvente-Poirot, M. Poirot, M. Curini, **F. Epifano** "Identification of estrogen receptors and acyl-CoA cholesterol acyltransferase as molecular targets involved in the chemopreventive activity of auraptene, active principle of edible *Citrus* plants", Incontro di studio congiunto SIB-SITOX "Componenti nutraceutici della dieta: aspetti biochimici e tossicologici", Rimini, 12 Giugno 2009.
24. **F. Epifano**, M. Curini, T. Tanaka, S. Genovese "Colon cancer chemoprevention by auraptene, active principle of edible citrus plants, and its formulations", Incontro di studio congiunto SIB-SITOX "Componenti nutraceutici della dieta: aspetti biochimici e tossicologici", Rimini, 12 Giugno 2009.
25. M. Curini, **F. Epifano**, M.C. Marcotullio, S. Genovese "Acido boropinico, un nuovo inibitore della crescita di *Helicobacter pylori*", XVIII Congresso Italo-Latinoamericano di Etnomedicina "Juan Tomas Roig y Mesa", Ciudad de la Habana (Cuba), 14-18 Settembre 2009.
26. C. Pelucchini, **F. Epifano**, S. Genovese, M. Curini "Reazione di Yonemitsu catalizzata da $\text{Yb}(\text{OTf})_3$ ", 9° Saycs, Sigma-Aldrich Young Chemists Symposium, Pesaro, 12-14 Ottobre 2009.
27. **F. Epifano**, S. Genovese, M. Curini, S. Tanabe, D. Grenier "Suppression of inflammatory mediator and MMP-9 secretion in LPS-stimulated macrophages by 4-hydroxycordoin, active principle of *Lonchocarpus neuroscapha* Benth. In Mart. (Leguminosae)", International Symposium: Drugs from Nature Targeting Inflammation, Innsbruck (Austria), 8-10 Aprile 2010.
28. M. Locatelli, S. Genovese, G. Carlucci, M. Curini, **F. Epifano** "Determinazione dell'assorbività molare di prodotti naturali ossiprenilati mediante tecnica HPLC-DAD: il caso dell'acido 4'-geranilossiferulico, un nuovo chemopreventore del cancro al colon, e dell'acido boropinico, un agente anti-*Helicobacter pylori*" Fitomed 2010, IV Congresso Intersocietà sulle Piante Medicinali, Cagliari, 23-26 Giugno 2010.
29. C. Bruyère, S. Genovese, B. Lallemand, J. Dubois, F. Lefranc, M. Curini, R. Kiss, **F. Epifano** "Synthesis and *in vitro* anticancer activity of oxyprenylated and unprenylated natural phenylpropanoids", International Conference on Natural Products, Castres (Francia), 24-27 Maggio 2011.

30. S. Genovese, M. Curini, **F. Epifano** "Sintesi e attività biologica di aldeidi e alcoli cinnamici ossiprenilati", Congresso Nazionale Società Italiana di Fitochimica (SIF), Roma, 30 Giugno – 2 Luglio 2011.
31. **F. Epifano**, S. Genovese "Colon cancer chemopreventive properties of auraptene and 4-geranyloxyferulic acid and their derivatives", NAD 2012 - Natural Anticancer Drugs, Olomouc (Rep. Ceca), 30 Giugno – 4 Luglio 2012.
32. **F. Epifano**, S. Genovese, L. Zhao, V. Dang La, D. Grenier "*In vitro* anti-inflammatory and wound healing activities of *Citrus* auraptene" 8th Joint Meeting of AFERP, ASP, GA, PSE & SIF, New York (USA) 28 Luglio – 1 Agosto 2012.
33. S. Genovese, **F. Epifano**, S. Fiorito, M. Curini, T. Tanaka, F. Conforti, M. Marrelli, F. Menichini "Effetti biologici di coniugati di prenilossifenilpropanoidi con L-NAME", XIII Congresso Nazionale della Società Italiana di Fitochimica, Gargnano (BS), 19-21 Settembre 2013.
34. S. Fiorito, **F. Epifano**, S. Genovese, A. Mollica, M. Locatelli, V. Mathieu, R. Kiss "Studi chimici e farmacologici su lawsone, lapacolo e loro derivati", 13° Saycs, Sigma-Aldrich Young Chemists Symposium, Riccione, 28-30 Ottobre 2013.
35. **F. Epifano**, S. Fiorito, S. Genovese "4'-Geranyloxyferulic acid: an overview of its potentialities as anti-cancer and anti-inflammatory agent", Phytochemicals in Medicine and Pharmacognosy, Piatra Neamt (Romania), 27-30 Aprile 2014.
36. **F. Epifano**, S. Fiorito, V.A. Taddeo, S. Genovese "Metaboliti secondari ossiprenilati in oli di frutti del genere *Citrus*", Il Congresso Nazionale per la Ricerca sugli Oli Essenziali, Terni, 14-16 Novembre 2014.
37. S. Fiorito, S. Genovese, V.A. Taddeo, **F. Epifano** "Synthesis of selenium analogues of naturally occurring phenylpropanoids", WSeS-4 4th Scientific Workshop of the Multidisciplinary Group SeS Redox and Catalysis, Perugia 20-21 Aprile 2015.
38. S. Genovese, S. Fiorito, V.A. Taddeo, **F. Epifano**, M. Curini "Auraptene: a component of plant foods with great potentialities", XIV Congresso Nazionale della Società Italiana di Fitochimica, Padova 10-12 Giugno 2015.
39. **F. Epifano**, V.A. Taddeo, S. Fiorito, M. Curini, S. Genovese "Oxyprenylated ferulic acid derivatives in *Citrus* fruits and their phytopreparations", RDPA 2015, Perugia 28 Giugno – 1 Luglio 2015.
40. S. Fiorito, S. Genovese, **F. Epifano**, V.A. Taddeo "HPLC analysis of selectyedprenyloxycinnamic acid derivatives oxidized in the side chain in extracts of honey", RDPA 2015, Perugia 28 Giugno – 1 Luglio 2015.

41. **F. Epifano**, S. Fiorito, V.A. Taddeo, S. Genovese "Novel insights on the pharmacological properties of juglone, plumbagin, and their semisynthetic derivatives", XXIV National Meeting in Medicinal Chemistry, Perugia 11-14 Settembre 2016.

Poster Communications

1. P. Ceccherelli, M. Curini, **F. Epifano**, M.C. Marcotullio, A. Menghini "Indagini fitochimiche su *Phagnalonsordidum* L. (Compositae)", VIII Convegno della Società Italiana di Fitochimica, Arzana (NU), 22-25 May 1996.
2. P. Ceccherelli, M. Curini, **F. Epifano**, M.C. Marcotullio, O. Rosati "Sintesi del feromone sessuale della *Nezaraviridula*", IV Convegno Nazionale Giornate di Chimica delle Sostanze Naturali NAT4, Salerno, 24-26 September 1997.
3. M. Curini, **F. Epifano**, M.C. Marcotullio, O. Rosati, A. Tsadjout "The Reaction of Phenylselenenyl Triflate with Diazo Compounds", Ischia Advanced School of Organic Chemistry, Ischia Porto (NA), 23-28 September 2000.
4. M. Curini, **F. Epifano**, F. Maltese, M.C. Marcotullio, F. Montanari "Una nuova metodologia per la preparazione di iodoazidoderivati, intermedi nella sintesi di prodotti naturali", 11° Congresso Nazionale della Società Italiana di Fitochimica, Riolo Terme (RA), 6-9 October 2002.
5. **F. Epifano**, M. Curini, M.C. Marcotullio, A. Menghini, L. Menghini, G. Altinier, S. Sosa "Anti-inflammatory activity of *Nonea setosa*", 51st Annual Congress of the Society of Medicinal Plant Research, Kiel (Germany), 31 August – 4 September 2003.
6. M. Curini, **F. Epifano**, S. Genovese "Yb(OTf)₃ catalysed one-pot oxidation-intramolecular Cannizzaro reaction of aryl methyl ketones", Sixth Tetrahedron Symposium "Challenges in Organic Chemistry", Bordeaux (France), 29 June – 1 July 2005.
7. D. Ricci, D. Fraternale, L. Giamperi, A. Bucchini, **F. Epifano**, S. Genovese, M. Curini "Composition, antifungal and in vitro antioxidant activities of *Monarda didyma* L. essential oil", 53rd Annual Congress of the Society of Medicinal Plant Research, Firenze, 21 – 25 August 2005.
8. S. Genovese, M. Curini, **F. Epifano** "Sintesi di un nuovo profarmaco dell'acido 4'-geranilossiferulico", 5° Sigma Aldrich Young Chemists Symposium, Riccione, 10-12 October 2005.
9. H. Kohno, R. Suzuki, S. Miyamoto, S. Sugie, M. Curini, **F. Epifano**, F. Maltese, S.P. Gonzales, T. Tanaka "Suppression of colitis related mouse colon carcinogenesis with prenyloxycoumarins, auraptene and collinin", 97th Annual Meeting 2006, American Association of Cancer Research, Washington D.C.

(USA), 1-5 April 2006.

10. M.A. Rodolfi, A.M. Picco, L. Menghini, **F. Epifano**, A. Musti, R. Cocco "Detection and toxigenic evaluation of endophytic strains of *Aspergillus flavus* from Italian rice seeds", Proceedings of the 12th Congress of the Mediterranean Phytopathological Union, Rodi (Greece), 11-15 June 2006.
11. L. Menghini, M. Curini, A. Menghini, **F. Epifano** "Composizione fitochimica e attività antimicrobica dell'olio essenziale di *Artemisia dracunculus* L. var. Piemontese", Fitomed 2006, Il Congresso Intersocietà sulle Piante Medicinali, Taormina (ME), 6-8 July 2006.
12. L. Menghini, **F. Epifano**, R. Pagiotti, G. Altinier, A. Tubaro "Isolamento e attività antinfiammatoria del setosolo, nuovo norriterpenoide da *Nonea setosa* R. et. S.", Fitomed 2006, Il Congresso Intersocietà sulle Piante Medicinali, Taormina (ME), 6-8 July 2006.
13. S. Genovese, M. Curini, **F. Epifano**, L. Menghini, D. Ricci, D. Fraternale, L. Giamperi, A. Bucchini, E. Bellacchio "Antioxidant and lipoxygenase inhibitory activities of boropinic acid, active principle of *Boronia pinnata*", 54th Annual Congress on Medicinal Plant Research, Helsinki (Finland), 29 August – 2 September 2006.
14. L. Giamperi, D. Fraternale, P. Cara, D. Ricci, **F. Epifano**, M. Curini "Micropropagazione *in vitro* di *Glechomasardoa* Bèg. e caratterizzazione dell'olio essenziale", XV Congresso Italo-Latinoamericano di Etnomedicina "Ivano Morelli", Perugia, 23-27 September, Roma, 28 September 2006.
15. L. Menghini, **F. Epifano**, C. Baldassarre, M.A. Rodolfi, A.M. Picco, A. Musti, R. Cocco "Potenziale tossigeno e dinamiche di produzione di aflatossine di ceppi endofitici di *Aspergillus flavus* isolati da varietà di riso italiane", XV Congresso Italo-Latinoamericano di Etnomedicina "Ivano Morelli", Perugia, 23-27 September, Roma, 28 September 2006.
16. **F. Epifano**, L. Menghini, R. Pagiotti, B. Tirillini, M. Curini, S. Genovese "Indagini fitochimiche su *Artemisia coerulescens* L. da popolamenti della costa adriatica", XV Congresso Italo-Latinoamericano di Etnomedicina "Ivano Morelli", Perugia, 23-27 September, Roma, 28 September 2006.
17. R. Pagiotti, B. Tirillini, L. Menghini, **F. Epifano**, A. Menghini, M. Curini "Indagini fitochimiche su campioni di tre specie del genere *Stachys* L. provenienti da popolamenti dell'Italia centrale", XV Congresso Italo-Latinoamericano di Etnomedicina "Ivano Morelli", Perugia, 23-27 September, Roma, 28 September 2006.
18. **F. Epifano**, L. Menghini, R. Pagiotti, P. Angelini, S. Genovese, M. Curini "*In vitro* Inhibitory Activity of Boropinic Acid Against *Helicobacter pylori*",

NNPC2007, Nordic Natural Product Conference 2007, Sankt Helene, Zealand (Denmark), 13-15 June 2007.

19. L. Menghini, **F. Epifano**, L. Leporini, R. Pagiotti, P. Angelini, S. Genovese "In vitro inhibitory activity of essential oil of *Apium nodiflorum* against *Helicobacter pylori*", 55th International Congress and Annual Meeting of the Society for Medicinal Plant Research, Graz, Austria, 2-6 September 2007.
20. L. Menghini, **F. Epifano**, B. Tirillini, P. Angelini, R. Pagiotti, M. Curini "Phytochemical investigation on leaves of *Cordi asalicifolia* Cham. (Fam. Boraginaceae)", 55th International Congress and Annual Meeting of the Society for Medicinal Plant Research, Graz, Austria, 2-6 September 2007.
21. F. Tamaro, L. Meneghini, **F. Epifano**, L. Leporini, R. Luzzi, R. Pagiotti "Phytochemical investigation on leaves of *Cordiasalicifolia* Cham.", XVI Congresso Italo-Latinoamericano di Etnomedicina "Carlo L. Spegazzini", La Plata (Argentina), 4-8 September 2007.
22. Tanaka, T.; Yasui, Y.; Kim, M.; Miyamoto, S.; **Epifano, F.**; Curini, M.; Genovese, S.; Ishigamori-Suzuki, R. "A novel prodrug of ferulic acid suppresses AOM/DSS induced mouse colon carcinogenesis", ICMAA 2007, The 9th International Conference on Mechanism of Antimutagenesis and Anticarcinogenesis, Jeju Island (South Korea), 1-5 December 2007.
23. L. Leporini, L. Menghini, **F. Epifano**, M. Curini, R. Pagiotti, B. Tirillini "Indagine fitochimica su frutti di *Laurus nobilis* L.", Fitomed 2008, III Congresso Intersocietà sulle piante medicinali, Salerno, 25-27 June 2008.
24. L. Giamperi, A. Bucchini, D. Fraternale, P. Cara, D. Ricci, **F. Epifano**, S. Genovese, M. Curini "Chemical composition and antioxidant activity of the essential oil of *Teucrium massiliense* L.", Fitomed 2008, III Congresso Intersocietà sulle piante medicinali, Salerno, 25-27 June 2008.
25. L. Menghini, **F. Epifano**, S. Sosa, A. Tubaro, S. Genovese, F. Tamaro "Attività anti-infiammatoria di cumarine da *Ligusticum lucidum* Mill. subsp. *cuneifolium* (Guss.) Tamaro (Apiaceae)", Fitomed 2008, III Congresso Intersocietà sulle piante medicinali, Salerno, 25-27 June 2008.
26. S. Genovese, **F. Epifano**, C. Pelucchini, L. Menghini, T. Corazzi, P. Gresele, M. Curini "Acidi prenilossicinnamici quali nuovi inibitori degli enzimi COX", Fitomed 2008, III Congresso Intersocietà sulle piante medicinali, Salerno, 25-27 June 2008.
27. **F. Epifano**, L. Menghini, A. Chiavaroli, G. Orlando, V.D. La, D. Grenier "Inhibitory effect of *Rhamnus alpinus* and *Rhamnus saxatilis* extracts on chemokine secretion induced by lipopolysaccharide in monocyte-derived macrophages", 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens

(Greece), 3-8 August 2008.

28. M. Curini, **F. Epifano**, R. Luzzi, M.C. Marcotullio, R. Pagiotti, A. Menghini, F. Tammaro, L. Menghini "Preliminary phytochemical screening on *Potentilla detommasii* Ten. (Rosaceae)", 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens (Greece), 3-8 August 2008.
29. L. Menghini, **F. Epifano**, G. Orlando, L. Leporini, R. Luzzi, S. Genovese, M.C. Marcotullio, B. Tirillini "Phytochemical investigation on Gentian roots from populations of Gran Sasso and Monti dellaLaga National Park", 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens (Greece), 3-8 August 2008.
30. P. De Medina, S. Genovese, M. Pailasse, S. Silvente-Poirot, M. Curini, **F. Epifano**, M. Poirot "Structure-based identification of ER and ACAT as molecular targets involved in the chemopreventive activity of citrus auraptene", 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens (Greece), 3-8 August 2008.
31. S. Fulle, T. Pietrangelo, **F. Epifano**, L. Leporini, L. Menghini "Effect of Montepulciano d'Abruzzo red wine and main phenols on mouse skeletal muscle cells", 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, Athens (Greece), 3-8 August 2008.
32. P. Blasi, S. Genovese, L. Ippoliti, **F. Epifano**, A. Schoubben, C. Rossi, M. Curini, M. Ricci "Preparation and characterization of GOFA-loaded lipid nanoparticles", AAPS Annual Meeting and Exposition, Atlanta (USA), 16-20 November 2008.
33. P. Blasi, S. Genovese, L. Ippoliti, **F. Epifano**, S. Giovagnoli, C. Rossi, M. Curini, M. Ricci "Formulation of GOFA nanocrystal suspension", AAPS Annual Meeting and Exposition, Atlanta (USA), 16-20 November 2008.
34. M.G. Bellardi, A. Benni, C. Chiesa, N. Contaldo, A. Bertaccini, S. Biffi, **F. Epifano**, S. Genovese "Infezione da citoplasmi in *Grindelia robusta*: valutazione dell'olio essenziale", VI Convegno AISSA, Agricoltura, Paesaggio e Territorio tra Conservazione e Innovazione: il Ruolo della Ricerca, Imola (BO), 26-28 November 2008.
35. **F. Epifano**, S. Genovese, M. Curini, J. J. Luszczki "7-Isopentenylcoumarin as a novel neuroprotective agent", Alzheimer's Association International Conference on Alzheimer's Disease, 11-16 July, Vienna (Austria).
36. S. Genovese, M. Locatelli, **F. Epifano**, L. Menghini, M. Curini, G. Carlucci "Preliminary HPLC-UV/Vis study for the quantification of 4'-geranyloxyferulic acid, a new natural colon cancer chemopreventer agent in complex matrices", 13th International Meeting RDPA, Recent Developments in Pharmaceutical Analysis, Milano, 9-12 September 2009.

37. S. Genovese, F. Tammaro, L. Menghini, G. Carlucci, **F. Epifano**, M. Locatelli "HPLC determination of anthraquinones, aloe-emodine, emodine, rheine, chrysophanol and physcione in bark of *Rhamnus alpinus*: comparison of threedifferentextractionmethods", XVIII Congresso Italo-Latinoamericano di Etnomedicina "Juan TomasRoig y Mesa", Ciudad de la Habana (Cuba), 14-18 September 2009.
38. S. Genovese, **F. Epifano**, M. Curini, J. Peters "Targeting PPARs as a possible explanation for the anti-inflammatory effects of 4'-geranyloxyferulic acid, the active principle of *Acronychia baueri* Schott (Rutaceae)", International Symposium: Drugs from Nature Targeting Inflammation, Innsbruck (Austria), 8-10 April 2010.
39. M. Locatelli, F. Tammaro, L. Menghini, L. Leporini, G. Carlucci, L. Di Federico, **F. Epifano**, S. Genovese "Comparison of threedifferentextractionmethods and HPLC determination of anthraquinones, aloe-emodine, emodine, rheine, chrysophanol and physcione in the bark of *Rhamnus alpinus*", XXVIII Congresso Interregionale Toscana, Umbria, Marche e Abruzzo TUMA 09, Tirrenia (PI), 22-25 Settembre 2009.
40. M. Locatelli, D. Kremer, F. Tammaro, L. Menghini, G. Carlucci, L. Di Federico, **F. Epifano**, S. Genovese "Profilo quantitativo degli antrachinoni e chimica fingerprint della specie *Rhamnus saxatilis*L." Fitomed 2010, IV Congresso Intersocietà sulle Piante Medicinali, Cagliari, 23-26 June 2010.
41. **F. Epifano**, S. Genovese, G. Carlucci, M. Curini, M. Locatelli "Studio preliminare di quantificazione in matrici complesse mediante HPLC-UV/Vis dell'acido 4'-geranilossiferulico, un nuovo agente chemopreventivo del cancro del colon", Fitomed 2010, IV Congresso Intersocietà sulle Piante Medicinali, Cagliari, 23-26 June 2010.
42. S. Genovese, J. Peters, J.E. Foreman, M.G. Borland, M. Curini, **F. Epifano** "L'acido 4'-geranilossiferulico come nuovo ligando per l'attivazione dei recettori PPARs", Fitomed 2010, IV Congresso Intersocietà sulle Piante Medicinali, Cagliari, 23-26 June 2010.
43. C. Pelucchini, **F. Epifano**, S. Genovese, O. Rosati, M. Curini "Yonemitsu reaction promoted by Yb(OTf)₃", XXXIII Convegno Nazionale della Divisione di Chimica Organica Società Chimica Italiana, San Benedetto (AP), 12-16 September 2010.
44. **F. Epifano**, S. Genovese, M. Feldman, D. Grenier "Synthesis and anti-inflammatory properties of 4'-O-geranylisoliquiritigenin, active principle of *Millettia* spp. (Leguminosae)" International Conference on Natural Products, Castres (France), 24-27 May 2011.
45. S. Genovese, **F. Epifano**, G. Carlucci, M. Locatelli "A novel group of secondary

metabolites in *Rhamnus* spp.: prenyloxanthraquinones”, International Conference on Natural Products, Castres (France), 24-27 May 2011.

46. M.G. Bellardi, L. Cavicchi, N. Contaldo, A. Bertaccini, **F. Epifano**, S. Genovese, M. Curini, M. Davino, S. Davino “Effects of cucumber mosaic virus and aster yellows phytoplasma (16Srl-B) on the quality of *Echinacea purpurea* essential oil”, Alimed 2011, Palermo, 22-25 May 2011.
47. **F. Epifano**, S. Genovese, M. Curini, M. Feldman, C. Messier, D. Grenier “4-Idrossicordoina: attività anti-batterica, anti-fungina ed anti-infiammatoria”, Congresso Nazionale Società Italiana di Fitochimica (SIF), Roma, 30 June – 2 July 2011.
48. S. Genovese, **F. Epifano**, M. Curini, D. Menger, N.C. Zembruski, J. Weiss “Interazione di acidi prenilossicinnamici naturali con il sistema dei citocromi e glicoproteina P”, Congresso Nazionale Società Italiana di Fitochimica (SIF), Roma, 30 June – 2 July 2011.
49. D. Fraternale, C. Martinelli, P. Sestili, A. Bucchini, L. Giamperi, **F. Epifano**, D. Ricci “*Citrus monstrosa*, an endemic *Citrus* of Sardinia, essential oil composition and biological activity”, Congresso Nazionale Società Italiana di Fitochimica (SIF), Roma, 30 June – 2 July 2011.
50. M. Locatelli, S. Genovese, G. Carlucci, D. Kremer, **F. Epifano** “Development and validation of a new HPLC-UV/Vis method for the direct determination of oxyprenylated anthraquinones produced by *Rhamnus* spp.”, XX Congresso Italo-Latino Americano de Etnomedicina “Francisco Jose de Abreu Matos”, Fortaleza (Brazil), 19-22 September 2011.
51. **F. Epifano**, S. Genovese, P. Lullo, S. Fiorito, G. Trivisonno, C. Bruyere, R. Kiss “Screening for naturally occurring oxyprenylated secondary metabolites as cancer cell growth inhibitory agents”, 8th Joint Meeting of AFERP, ASP, GA, PSE & SIF, New York (USA), 28 July – 1 August 2012.
52. S. Genovese, **F. Epifano**, M. Colamarino, M. Curini, V.H. Soares de Melo, L. Tasic, M. Burgos de Azevedo “Two novel inclusion complexes of colon cancer chemopreventers, auraptene and 4'-geranyloxyferulic acid”, 8th Joint Meeting of AFERP, ASP, GA, PSE & SIF, New York (USA), 28 July – 1 August 2012.
53. **F. Epifano**, S. Genovese, R. Miller, A.P.N. Majumdar “The effect of auraptene on Folfox-resistant HT-29 colorectal adenocarcinoma cells”, 8th Joint Meeting of AFERP, ASP, GA, PSE & SIF, New York (USA), 28 July – 1 August 2012.
54. T. Tanaka, S. Genovese, T. Kochi, **F. Epifano**, L. Scauri, M. Curini, M. Shimizu, H. Moriwaki “4'-Geranyloxyferulic acid – LNAME prodrug inhibits inflammation-related colorectal carcinogenesis in mice”, 8th Joint Meeting of AFERP, ASP, GA, PSE & SIF, New York (USA), 28 July – 1 August 2012.

55. M. Locatelli, G. Carlucci, **F. Epifano**, D. Kremer, S. Genovese "Validation of HPLC assay for the determination of oxyprenylated anthraquinones produced by *Rhamnus* spp.", 8th Joint Meeting of AFERP, ASP, GA, PSE & SIF, New York (USA), 28 July – 1 August 2012.
56. M. Locatelli, G. Carlucci, S. Genovese, **F. Epifano** "Quantification of 4'-geranyloxyferulic acid and boropinic acid by HPLC-DAD in grapefruit skin from different country origin", 8th Joint Meeting of AFERP, ASP, GA, PSE & SIF, New York (USA), 28 July – 1 August 2012.
57. G. Carlucci, **F. Epifano**, S. Genovese, M. Locatelli "Chromatographic determination of molar absorptivity of natural prenyloxycinnamic acids in standardless analysis", 8th Joint Meeting of AFERP, ASP, GA, PSE & SIF, New York (USA), 28 July – 1 August 2012.
58. S. Genovese, **F. Epifano**, L. Cavicchi, A. Bertaccini, M.G. Bellardi "Effect of phytoplasma presence on the chemical composition of essential oils from *Grindelia robusta* Nutt., *Echinacea purpurea* Moench., and *Monarda fistulosa*" Biocom12 – Semiochemicals involving plants, Cadiz (Spain), 10-12 September 2012.
59. S. Fiorito, **F. Epifano**, S. Genovese, C. Bruyere, R. Kiss "In vitro growth inhibitory activity of lapachol and its derivatives in cancer cell lines", Phytopharm 2013, Wien (Austria), 8-10 July 2013.
60. G. Carlucci, **F. Epifano**, S. Genovese, G. Bellino, M. Locatelli "Secondary metabolites chemical fingerprints in *Rhamnus* spp. Using validated HPLC assay", XXII Congresso Italo-LatinoAmericano de Etnomedicina, Puntarenas (Costarica), 2-6 September 2013.
61. **F. Epifano**, S. Genovese, S. Fiorito, R. Costante, A. Mollica "Sintesi di dichetopiperazineossiprenilate di origine fungina", XIII Congresso Nazionale della Società Italiana di Fitochimica, Gargnano (BS), 19-21 September 2013.
62. **F. Epifano**, S. Fiorito, S. Genovese, R. della Loggia, S. Sosa, A. Tubaro "Attività anti-infiammatoria di metaboliti secondari ossiprenilati", XIII Congresso Nazionale della Società Italiana di Fitochimica, Gargnano (BS), 19-21 September 2013.
63. S. Fiorito, **F. Epifano**, S. Genovese, M. Curini, M. Locatelli, V. Mathieu, R. Kiss "Complessi di lawsone e lapachol ad attività citotossica", XIII Congresso Nazionale della Società Italiana di Fitochimica, Gargnano (BS), 19-21 September 2013.
64. S. Fiorito, S. Genovese, **F. Epifano**, J. Azelmat, D. Grenier "Sintesi ed attività anti-batterica di cumarine ossiprenilate", XIII Congresso Nazionale della Società Italiana di Fitochimica, Gargnano (BS), 19-21 September 2013.

65. S. Genovese, M. Locatelli, G. Carlucci, D. Priscilli, G. Bellino, S. Fiorito, **F. Epifano** "HPLC analysis of 4'-geranyloxyferulic and boropinic acids in grapefruits of different geographical origin", XIII Congresso Nazionale della Società Italiana di Fitochimica, Gargnano (BS), 19-21 September 2013.
66. **F. Epifano**, S. Genovese, S. Fiorito, V.A. Taddeo, L. Paglione, M.G. Matarrese, C. Magne Nde, C. Clyne "Nelumal A from *Ligularia nelumbifolia* is an aromatase inhibitor", Phytochemicals in Medicine and Pharmacognosy, Piatra Neamt (Romania), 27-30 April 2014.
67. S. Genovese, R. Costante, S. Fiorito, A. Stefanucci, **F. Epifano**, V. Mathieu, R. Kiss, A. Mollica "Synthesis and biological activity of oxyprenylated diketopiperazines of fungal origin", Phytochemicals in Medicine and Pharmacognosy, Piatra Neamt (Romania), 27-30 April 2014.
68. V.A. Taddeo, S. Genovese, M. Locatelli, **F. Epifano**, S. Fiorito, "A validated HPLC-UV/Vis methodology for the quantification of oxyprenylated cinnamic acids in *Citrus* spp.", Phytochemicals in Medicine and Pharmacognosy, Piatra Neamt (Romania), 27-30 April 2014.
69. S. Genovese, S. Fiorito, **F. Epifano**, V.A. Taddeo, M. Locatelli "An easy HPLC-UV/Vis methodology for the quantification of polyphenols in propolis, grapefruit seeds, and elder fruits", Phytochemicals in Medicine and Pharmacognosy, Piatra Neamt (Romania), 27-30 April 2014.
70. P. Minardi, **F. Epifano**, P. Mattarelli, M. Modesto, M.G. Bellardi "Studi preliminari sugli effetti di oli di *Monarda* spp. su batteri patogeni da quarantena", II Congresso Nazionale per la Ricerca sugli Oli Essenziali, Terni, 14-16 November 2014.
71. V.A. Taddeo, S. Genovese, **F. Epifano**, S. Fiorito "HPLC analysis of selected prenyloxyphenylpropanoids in extracts of grapefruit seeds, honey, and propolis", Natural Products and Drug Discovery: Future Perspectives, Wien (Austria), 13-14 November 2014.
72. S. Fiorito, **F. Epifano**, S. Genovese, V.A. Taddeo, L. paglione, R. Kiss, V. Mathieu "Synthesis and evaluation of the cytotoxic effect of novel derivatives of juglone and plumbagin", Natural Products and Drug Discovery: Future Perspectives, Wien (Austria), 13-14 November 2014.
73. V.A. Taddeo, S. Genovese, **F. Epifano**, S. Fiorito "HPLC analysis of selected prenyloxycinnamic acid derivatives oxidized in the side chain in extracts of grapefruit seeds", XIV Congresso Nazionale della Società Italiana di Fitochimica, Padova 10-12 June 2015.
74. S. Fiorito, **F. Epifano**, S. Genovese, R. Kiss, V. Mathieu, V.A. Taddeo "Allylic oxidation promoted by SeO_2 of oxyprenylated naturally occurring

phenylpropanoids and evaluation of their growth inhibitory activities in cancer cell lines”, XIV Congresso Nazionale della Società Italiana di Fitochimica, Padova 10-12 June 2015.

75. **F. Epifano**, S. Fiorito, V.A. Taddeo, J. Azelmat, H. Chen, D. Grenier, S. Genovese “Synthesis, anti-bacterial, and anti-inflammatory activity of two novel naturally occurring oxyprenylated cinnamic acid derivatives”, XIV Congresso Nazionale della Società Italiana di Fitochimica, Padova 10-12 June 2015.
76. S. Genovese, **F. Epifano**, S. Franceschelli, A. Ferrone, G. Carlucci, V. Ferrone, A. Patruno, S. Fiorito, V.A. Taddeo “Validation of a RP-HPLC method to determine intracellular accumulation of 4'-geranyloxyferulic acid and its conjugates”, RDPA 2015, Perugia 28 June – 1 July 2015.
77. V.A. Taddeo, **F. Epifano**, S. Fiorito, S. Genovese “Simultaneous determination of prenylated and unprenylated polyphenols in different extracts of Italian propolis”, RDPA 2015, Perugia 28 June – 1 July 2015.
78. V.A. Taddeo, **F. Epifano**, P. de Medina, S. Fiorito, S. Genovese “Studies on the chemical stability of umbelliprenin, the active principle of *Ferulago* spp.”, 9th Joint Natural Products Conference, Copenhagen (Denmark) 24-27 July 2016.
79. S. Fiorito, **F. Epifano**, V.A. Taddeo, S. Genovese, J. Azelmat, D. Grenier “The effect of prenylation on the antimicrobial activity of selected naturally occurring furanones and pyranones”, 9th Joint Natural Products Conference, Copenhagen (Denmark) 24-27 July 2016.
80. V.A. Taddeo, S. Fiorito, **F. Epifano**, S. Genovese “Comparison of the extraction methods efficiency of selected prenylated and unprenylated coumarins and cinnamic acids in propolis”, 9th Joint Natural Products Conference, Copenhagen (Denmark) 24-27 July 2016.
81. **F. Epifano**, S. Fiorito, V.A. Taddeo, R. Paciotti, A. Patruno, S. Genovese, C. Coletti “Studies on the interaction of 4'-geranyloxyferulic acid and nelumal A with pro-inflammatory enzymes”, 9th Joint Natural Products Conference, Copenhagen (Denmark) 24-27 July 2016.
82. S. Fiorito, **F. Epifano**, V.A. Taddeo, S. Genovese, L. Sancineto, C. Santi “Preliminary investigations on seleno-analogues of plant oxyprenylated secondary metabolites”, 9th Joint Natural Products Conference, Copenhagen (Denmark) 24-27 July 2016.
83. S. Genovese, S. Fiorito, V.A. Taddeo, C. Coletti, R. Paciotti, A. Patruno, **F. Epifano** “*In vitro* anti-inflammatory effects of geranyloxycinnamic acids and their conjugates with L-NAME”, XXIV National Meeting in Medicinal Chemistry, Perugia 11-14 September 2016.

Invited Lectures

1. **F. Epifano** "Sesquiterpeni: recenti acquisizioni della letteratura", Scuola di Fitochimica "P: Ceccherelli 2000", Gargnano (BS), 28-30 October 2000.
2. **F. Epifano** "Chemistry and pharmacology of prenyloxyphenylpropanoids", Facoltà di Scienze, University of Reims (France), 20 September 2007.
3. **F. Epifano**, S. Genovese, L. Menghini, M.C. Marcotullio, M. Curini "Prenilossifenilpropanoidi: una nuova classe di composti naturali biologicamente attivi", Fitomed 2008, III Congresso Intersocietà sulle Piante Medicinali, Salerno, 25-27 June 2008.
4. **F. Epifano** "Insights on novel biologically active products: the case of auraptene", Faculté de Medecine Dentaire, Université Laval, Quebec City (Quebec, Canada), 16 September 2009.
5. **F. Epifano** "Variazioni del metabolismo secondario indotte da citoplasmici: il caso di *Grindelia robusta*", Le Piante officinali. Aspetti sanitari, erboristico-farmaceutici e paesaggistico-ornamentali, Palazzo Vespignani, Imola (BO), 21 May 2010.
6. **F. Epifano** "Chemistry and pharmacology of natural O-prenylatedferulic acid derivatives", Facoltà di Farmacia, University of Seville (Spain), 20 September 2010.
7. **F. Epifano** "Chemistry and biology of azoprenylated secondary metabolites", Facoltà di Farmacia, University of Seville (Spain), 21 September 2010.
8. **F. Epifano** "Chimica e farmacologia di derivati ossiprenilati dell'acido ferulico", Facoltà di Farmacia, Università di Salerno, 18 November 2010.
9. **F. Epifano** "Oxyprenylated secondary metabolites: a survey of their phytochemistry and pharmacognosy", Biocom12 – Semiochemicals involving plants, Cadiz (Spain), 10-12 September 2012.
10. **F. Epifano** "Analisi GC-MS di olii essenziali di *Monarda* da diverse condizioni colturali", Giornata di Studio "Valutazione Agronomico-Colturale e Fitoterapica di differenti generi di *Monarda* da utilizzare per scopi ornamentali ed officinali in Emilia-Romagna", Palazzo Vespignani, Imola (BO), 10 October 2014.
11. **F. Epifano** "Novel modulatory agents of melatonin receptors from natural kingdom", PSE Young Scientists' Meeting – Natural Products in Health, Agro-Food and Cosmetics, Lille (France), 28 Giugno – 1 July 2017.
12. **F. Epifano** "Oxyprenylated phenylpropanoids from *Citrus* spp.: their role in neuroprotection and cancer chemoprevention", The Fourth International Mediterranean Symposium on Medicinal and Aromatic Plants, MESMAP4,

Antalya (Turkey), 18-22 April 2018.

13. **F. Epifano** "Citrus auraptene: recent acquisitions and new perspectives as cancer therapeutic and chemopreventive agent", International Symposium on Natural Products in Cancer Prevention and Therapy - Trends in Methods and Modelling. Napoli 4-7 September 2018.
14. **F. Epifano** "Hunting for rare natural products", Summer School in Pharmaceutical Analysis 2019 – SSPA2019 "Current Trends in the Analysis of Medicinal Plants", Pescara, 11-13 September 2019.
15. **F. Epifano** "Pre-concentration and selective adsorption of plant secondary metabolites by solid sorbents", ISOPS 13, 13th International Symposium on Pharmaceutical Sciences, Ankara (Turkey), 22-25 June 2021.
16. **F. Epifano** "Recent updates on the phytochemistry and pharmacology of oxyprenylated secondary metabolites", Gazi Pharma Symposium Series 2021, Ankara (Turkey), 8-19 September 2021.
17. **F. Epifano** "Oxyprenylated phytochemicals: new acquisitions and findings over the last 5 years", The 9th International Mediterranean Symposium on Medicinal and Aromatic Plants, MESMAP9, Ankara (Turkey), 3-5 May 2023.
18. **F. Epifano** "Facing new challenges: a methodological approach to study a new category of natural products", Masaryk University Brno (Czech Rep.), 2 November 2023.
19. **F. Epifano** "Auraptene: a tale about a natural product", PSE Trends in Natural Products 2024 Young Scientists' Meeting, Brno (Czech Rep.), 21-24 May 2024.
20. **F. Epifano** "Auraptene: from its discovery to clinical trial", ISOPS 14, 14th International Symposium on Pharmaceutical Sciences Ankara (Turkey) 25-28 June 2024.
21. **F. Epifano** "Use of lamellar solids as a novel approach for food processing", SCI 2024, Congresso Nazionale della Società Chimica Italiana, Milan 26-30 August 2024.
22. **F. Epifano** "Lamellar solids as novel means for food processing", MESMAP11, Rimini, 6-8 May 2025.
23. **F. Epifano** "In search for novel antibiotics from nature: the case of simamycin and the role of oxyprenylated phenylpropanoids", PSE Trends in Natural Products 2025 Young Scientists' Meeting, Wroclaw (Poland), 2-6 June 2025.
24. **F. Epifano** "HPLC as a powerful analytical tool to screen prolidase inhibitors", iMASS Drug Analysis 2025, Bologna, 30 September 2025.

CHAPTERS IN BOOKS

1. **F. Epifano**, S. Genovese, M. Curini “Auraptene: Phytochemical and Pharmacological Properties” in *Phytochemistry Research Progress*, **2008**, T. Matsumoto ed., Nova Science Publishers Inc., Hauppauge, NY (USA), pp. 145-162.
2. L. Menghini, L. Leporini, R. Luzzi, M. Torlontano, F. Tammaro, **F. Epifano** “Ethnomedicine and phytochemistry of the genus *Potentilla*” in *Current Trends in Phytochemistry*, **2009**, F. Epifano ed., Research Signpost, Kerala, India, pp. 311-326.
3. M. Locatelli, G. Carlucci, S. Genovese, **F. Epifano** “Analytical Methods and Phytochemistry of the Typical Italian Liquor “Limoncello”: A Review” in *Phytochemicals – A Global Perspective of Their Role in Nutrition and Health*, **2012**, V. Rao Ed., InTech, Rijeka, Croatia, pp. 93-106.
4. **F. Epifano**, S. Genovese “Recent Acquisitions on Naturally Occurring Oxyprenylated Secondary Plant Metabolites” in *Chemistry and Pharmacology of Naturally Occurring Bioactive Compounds*, 2013, G. Brahmachari Ed., CRC Press, London, UK, pp. 239-258.
5. S. Fiorito, **F. Epifano**, F. Preziuso, V. A. Taddeo, S. Genovese “Biomolecular Targets of Oxyprenylated Phenylpropanoids and Polyketides”, *Prog. Chem. Org. Nat. Prod.* 2019, **108**, 143-205.

PATENTS

1. De Medina, P.; Bize, C.; Rives, A.; Paillasse, M.; **Epifano, F.**; Genovese, S. “Depigmenting Agents to Lighten the Skin”, EP15305836.7
2. De Medina, P.; Bize, C.; Rives, A.; Paillasse, M.; **Epifano, F.**; Genovese, S. “Skin Pigmentation Modifiers to Darken or Lighten the Skin”, WO 2016/193220 A1
3. **Epifano, F.**; Genovese, S., Fiorito, S. “Process for Removing the Residual Hydrocarbon Fraction of Crystals Deriving from Cannabis Oil and / or its Phytopreparations and Formulations Including Such Purified Crystals”, IT102021000017687A

SCIENTIFIC AWARDS

IADR / Glaxo Smith Kline Innovation in Oral Care Awards – Co-investigator of the project “Therapeutic Potential of *Citrus* Auraptene for Periodontal Disease”.

Apivita Award for Phytochemistry 2012 (issued by the Phytochemical Society of Europe)

Pierre Fabre – Phytochemical Society of Europe Innovation Award 2017

INTERNATIONAL EXCHANGE AND COLLABORATIONS

Hosted as teaching staff delegate at the Faculty of Pharmacy of University of Reims (France) in the frame of the Socrates/Erasmus exchange program 2007 from September 16th, 2007 to September 22nd, 2007.

From February 16th2009 to March 20th2009 expert evaluator of European Community Research Programs of 7th Frame Programme 2007-2013, call for proposal FP7-KBBE-2009-3 “Food, Agriculture and Fisheries and Biotechnologies”, topics KBBE-2009-3-1-01, “Optimisation of secondary metabolite production in plants: localisation, transport, storage and stability” and KBBE-2009-3-1-04 “Prospecting for novel plant-produced compounds”.

Hosted as “Visiting Professor” at the Faculty of Dentistry of University Laval, Quebec City (Quebec, Canada) from September 13th to September 20th 2009.

Hosted as teaching staff delegate at the Faculty of Pharmacy of University of Seville (Spain) in the frame of the Lifelong Learning Program (former Erasmus) exchange program 2010 from September 19th, 2010 to September 25th, 2010.

Hosted as teaching staff delegate at the Faculty of Pharmacy of University of La Laguna - Tenerife (Spain) in the frame of the Lifelong Learning Program (former Erasmus) exchange program 2011 from July 13th, 2011 to July 20th, 2011.

Member of the judge commission of the final exam of the European Ph.D. Course issued by the Faculty of Pharmacy of the University of Seville (Spain) (June 15th, 2012).

From April 28th2013 to June 28th2013 expert evaluator of European Community Research Program Tempus IV, 6th Call for Proposal EACEA/35/2012.

From June 2013 expert evaluator for the FNRS (Fond de la Recherche Scientifique – Belgium).

From April 1st 2014 to May 31st 2014 expert evaluator of the “Czech-Norwegian Research Program” 2014.

From November 4th 2014 expert evaluator of the French Research National Agency.

From March 15th 2016 to May 20th 2016 expert evaluator of European Community Research Program Erasmus Mundus Joint Master Degrees – Call 2016 - EAC/04/2015.

Hosted as “Visiting Professor” at the Faculty of Pharmacy of “Christian Albrecht” University of Kiel, Kiel (Germany) from September 25th to 30th June 2018.

From February 1st 2019 to June 10th 2019 expert evaluator of European Community Research Program Erasmus+ Capacity Building in Higher Education 2018.

From March 1st 2020 to April 25th 2020 expert evaluator of European Community Research Program Erasmus+ Capacity Building in Higher Education 2019.

Expert evaluator of European COST projects in 2016, 2018, 2019, 2020, 2021, 2022, 2024.

Chairman of the Organizing Committee of the following international Congresses:

- 1) New and Old Phytochemicals: Their Role in Ecology, Veterinary, and Welfare, Francavilla al Mare (CH), September 17-20, 2017;
- 2) RDPA 2019 – Recent Developments in Pharmaceutical Analysis 2019, Pescara, Italy, September 8-11, 2019;
- 3) PSE eCongress 2020 – Plant Derived Natural Products as Pharmacological and Nutraceutical Tools, September 15-18-22-25, October 6-9-13-16, 2020.

EDITORIAL ACTIVITY

He was the Editor in Chief of the book "Current Trends in Phytochemistry" published by Research Signpost eds. (Trivandrum, India). He's currently member of the Editorial Advisory Board of the journalsand "Current Drug Targets" and "Anti-inflammatory and Anti-Allergy Agents in Medicinal Chemistry" (Bentham Science Publ.), and Drugs and Therapy Studies (Pagepress Eds.). He's member of the Editorial Board of the Journal of Botanic: Targets and Therapy (Dove Medical Press) and Natural Product Communications. From January 2021 appointed as Editorial Advisory Board Member of Phytomedicine Plus (Elsevier). From January 2011 he has been being designated as Regional Editor for Europe of "The Natural Products Journal" (Bentham Science Publ.) and from April 2012 to January 2017 he has been Editor in Chief of the same journal. From April 2019 appointed as Section Editor (Chemistry + Pharmaceutical Sciences) for Heliyon (Elsevier). From November 2019 appointed as Editorial Board Member of Molecules (MDPI). From March 2020 appointed as Associate Editor for Phytochemical Analysis (Wiley). From January 2026 appointed as Editor in Chief for Phytochemicals in Food and Medicine (Wiley). He was appointed as Guest Editor of special issues for the journals Anti-inflammatory and Anti-Allergy Agents in Medicinal Chemistry, Current Drug Targets, Current Medicinal Chemistry (Bentham Science Publ.), Natural Product Communications, Phytochemistry Reviews, and Molecules.He's referee of several international peer-reviewed journals in the field of Organic Chemistry, Medicinal Chemistry, Pharmaceutical Biology and Pharmacognosy like European Journal of Organic Chemistry, Organic Letters, Journal of the Organic Chemistry, Journal of the American Chemical Society, Tetrahedron, Tetrahedron Letters, Tetrahedron

Asymmetry, Current Organic Chemistry, Current Drug Targets, European Journal of Medicinal Chemistry, Bioorganic and Medicinal Chemistry, Bioorganic and Medicinal Chemistry Letters, Journal of Natural Products, Current Medicinal Chemistry, Mini Reviews in Medicinal Chemistry, Phytochemistry, Planta Medica, Phytotherapy Research, Natural Product Communications, Natural Product Reports, European Food Research and Technology, Molecular Nutrition and Food Research, Green Chemistry Letters and Reviews, Fitoterapia, Molecules, RSC Advances, Chemistry Central Journal, and several others.