

1. MARIESCHI M., TORELLI A., POLI F., BIANCHI A., BRUNI R. (2010) Quality control of commercial Mediterranean oregano: Development of SCAR markers for the detection of the adulterants *Cistus incanus* L., *Rubus caesius* L. and *Rhus coriaria* L. FOOD CONTROL, in press
2. BALLABENI V., TOGNOLINI M., GIORGIO C., BERTONI S., BRUNI R., BAROCELLI E. (2010) *Ocotea quixos* Lam. essential oil: In vitro and in vivo investigation on its anti-inflammatory properties FITOTERAPIA, in press.
3. BRUNI R., SACCHETTI G (2009). Factors affecting polyphenol biosynthesis in wild and field grown St. John's wort (*Hypericum perforatum* L. Hypericaceae/Guttiferae). MOLECULES, vol. 14; p. 682-725
4. F. BONZANINI, BRUNI R., G. PALLA, N. SERLATAITE, A. CALIGIANI (2009). Identification and distribution of lignans in *Punica granatum* L. fruit endocarp, pulp, seeds, wood knots and commercial juices by GC-MS. FOOD CHEMISTRY, vol. 117; p. 745-749
5. F. PELLATI, BRUNI R., M. G. BELLARDI, S. BERTACCINI M.A, BENVENUTI S (2009). Optimization and validation of a high-performance liquid chromatography method for the analysis of cardiac glycosides in *Digitalis lanata* Ehrh. JOURNAL OF CHROMATOGRAPHY A, vol. 1216; p. 3260-3269
6. GUERRINI A, BRUNI R., MAIETTI S, POLI F, ROSSI D, PAGANETTO G, MUZZOLI M, SCALVENZI L, SACCHETTI G (2009). Ecuadorian stingless bee (*Meliponinae*) honey: A chemical and functional profile of an ancient health product. FOOD CHEMISTRY, vol. 114; p. 1413-1420
7. Vurro E, Bruni R., Bianchi A, Sanita Di Toppi L. (2009). Elevated atmospheric CO<sub>2</sub> decreases oxidative stress and increases essential oil yield in leaves of *Thymus vulgaris* grown in a mini-FACE system. ENVIRONMENTAL AND EXPERIMENTAL BOTANY. vol. 65, pp. 99-106
8. MARIESCHI M, TORELLI A, POLI F, SACCHETTI G, BRUNI R. (2009). Spice quality control: a RAPD-based method to detect adulterants in Mediterranean oregano and its comparison with traditional pharmacognostic techniques. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol. 57; p. 1835-1840
9. Guerrini A, Sacchetti G, Rossi D, Paganetto G, Muzzoli M, Andreotti E, Tognolini M, Maldonado M.E, Bruni R. (2009). Bioactivities of *Piper aduncum* L. and *Piper obliquum* Ruiz & Pavon (*Piperaceae*) essential oils from Eastern Ecuador. ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY. vol. 27, pp. 39-48
10. Ballabeni V, Tognolini M, Bertoni S, Bruni R., Guerrini A, Moreno-Rueda G, Barocelli E. (2007). Antiplatelet and antithrombotic activities of essential oil from wild *Ocotea quixos* (Lam.) Kosterm. (*Lauraceae*) calices from Amazonian Ecuador. PHARMACOLOGICAL RESEARCH. vol. 55, pp. 23-30
11. Tognolini M.; Ballabeni V.; Bertoni S.; Bruni R.; Impicciatore M.; Barocelli E. (2007) Protective effect of *Foeniculum vulgare* essential oil and anethole in an experimental model of thrombosis PHARMACOLOGICAL RESEARCH, 56, 3, 254-260.
12. Besco E.; Braccioli E.; Vertuani S.; Ziosi P.; Brazzo F.; Bruni R.; Sacchetti G. (2007) The use of photochemiluminescence for the measurement of the integral antioxidant capacity of baobab products. FOOD CHEMISTRY, 102, 1352-1356
13. Schiavone A.; Righi F.; Quarantelli A.; Bruni R.; Serventi P.; Fusari A. (2007) Use of *Sylibum marianum* fruit extract in broiler chicken nutrition: influence on performance and

- meat quality. JOURNAL OF ANIMAL PHYSIOLOGY AND ANIMAL NUTRITION, 91, 256-262
14. Tognolini M., Barocelli E., Ballabeni V., Bruni R., Bianchi A., Chiavarini M., Impicciatore M. (2007) Antiplatelet and antithrombotic activities of essential oil from wild *Ocotea quixos* (Lam.) Kosterm. (Lauraceae) calices from Amazonian Ecuador. PHARMACOLOGICAL RESEARCH, 55, 23-30
  15. SACCHETTI G., BRUNI R. (2007). Efficiency of extracting vitamin E from plant sources. In: VICTOR R. PREEDY AND RONALD R. WATSON. The encyclopedia of vitamin E. (pp. 122-139). ISBN: 9781845930752. WALLINGFORD, OXFORDSHIRE,; CAB International (UNITED KINGDOM).
  16. Bruni R., Fantin G., Maietti S., Medici A., Pedrini P., Sacchetti G. (2006) Plants-mediated reduction in the synthesis of homochiral secondary alcohols . TETRAHEDRON ASYMMETRY 17, 15, 2287-2291
  17. Bruni R.; Bellardi MG.; Parrella G.; Bianchi A. (2006) Impact of Alfalfa Mosaic Virus subgroup I and II isolates on terpene secondary metabolism of *Lavandula vera* D.C., *Lavandula X alardii* and eight cultivars of *L. hybrida* Rev. PHYSIOLOGICAL AND MOLECULAR PLANT PATHOLOGY, 68, 189-197.
  18. Guerrini A., Sacchetti G., Muzzoli M, Maldonado M.E., Medici A, Besco E, Bruni R. (2006) Composition of the Volatile Fraction of *Ocotea bofo* Kunth (Lauraceae) Calyces by GC-MS and NMR Fingerprinting and Its Antimicrobial and Antioxidant Activity JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 54; 7778-7788.
  19. Bruni R., Bianchi A., Bellardi M.G. (2006) Essential oil composition of *Agastache anethiodora* Britton (*Lamiaceae*) infected by cucumber mosaic virus (CMV). FLAVOUR AND FRAGRANCE JOURNAL 22; 66-70.
  20. Bellardi M.G, Benni A, Bruni R., Bianchi A. (2006). A virus disease affecting *Salvia officinalis* L. "Maxifolia" and its effects on essential oil production and composition. ACTA HORTICULTURAE, 723, 381-386.
  21. Bellardi M.G, Benni A, Bruni R., Bianchi A, Parrella G, Biffi, S. (2006). Chromatographic (GC) and virological evaluations of *Lavandula hybrida* "Alardi" infected by Alfalfa Mosaic Virus. ACTA HORTICULTURAE, 723, 387-392.
  22. Sacchetti G., Guerrini A., Noriega P., Bianchi A., Bruni R. (2006) Essential oil of wild *Ocotea quixos* (Lam.) Kosterm. (Lauraceae) leaves from Amazonian Ecuador. FLAVOUR AND FRAGRANCE JOURNAL 21; 674-676.
  23. Besco E, Braccioli E, Vertuani S, Ziosi P, Brazzo F, Bruni R, Sacchetti G, Manfredini S. (2007) The use of photochemiluminescence for the measurement of the integral antioxidant capacity of baobab products. FOOD CHEMISTRY 102; 1352-1356.
  24. Bruni R., Rossi D., Muzzoli M., Romagnoli C., Paganetto G., Sacchetti G. Antimutagenic, antimicrobial and antioxidant properties of *Maytenus krukovii* A. C. Sm. (Celastraceae) bark alcoholic extract. (2006) FITOTERAPIA 77; 538-545
  25. Tognolini M., Barocelli E., Ballabeni V., Bruni R., Bianchi A., Chiavarini M., Impicciatore M. Comparative screening of natural essential oils: phenylpropanoid moiety as basic core for antiplatelet activity. LIFE SCIENCES 78(13); 1419-1432.
  26. Bruni R., Sacchetti G. (2005) Microorganism-plant interactions as influencers of secondary metabolism in medicinal plants. MINERVA BIOTECNOLOGICA 17(3); 119-125.

27. Bruni R., Pellati F., Bellardi M., Benvenuti S., Paltrinieri S., Bertaccini A., Bianchi A. (2005) Herbal drug quality and phytochemical composition of *Hypericum perforatum* L. affected by ash yellows phytoplasma infection. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY. 53(4); 964-968.
28. Sacchetti G., Maietti S., Muzzoli M., Scaglianti M., Manfredini S., Radice M., Bruni R. (2005). Comparative evaluation of 11 essential oils from different origin as functional ingredients for foods as antioxidants, antiradicals and antimicrobials. FOOD CHEMISTRY. 91 (4), 621-632.
29. Romagnoli C., Bruni R., Andreotti E., Rai M.K., Vicentini C.B. and Mares D. (2005) Chemical characterization and antifungal activity of essential oil of capitula from wild Indian *Tagetes patula* L. PROTOPLASMA, 225, 57-65.
30. Barocelli E., Calcina F., Chiavarini M., Impicciatore M., Bruni R., Bianchi A., Ballabeni V. (2004) Antinociceptive and gastroprotective effects of inhaled and orally administered *Lavandula hybrida* Reverchon "Grosso" essential oil. LIFE SCIENCES 76, 213-223
31. Ballabeni V., Tognolini M., Chiavarini M., Impicciatore M., Bruni R., Bianchi A., Barocelli E. (2004). Novel antiplatelet and antithrombotic activities of essential oil from *Lavandula hybrida* Reverchon "Grosso". PHYTOMEDICINE. 11 (7/8): 596-601.
32. Bruni R., Muzzoli, M., Ballero M., Loi, M.C., Fantin C., Poli, F., Sacchetti, G. (2004). Tocopherols, fatty acids and sterols in seeds of four Sardinian wild *Euphorbia* species. FITOTERAPIA. vol. 75, pp. 50-61
33. Sacchetti G., Medici A., Maietti S., Radice M., Muzzoli M., Manfredini S., Braccioli E., Bruni R. (2004). Composition and functional properties of the Essential Oil of Amazonian Basil, *Ocimum micranthum* Willd., Labiatae in comparison with commercial essential oils. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY. vol. 52 (11), pp. 3486-3491.
34. Bianchi A., Bruni R., R., Curini, M. (2003). Composition and in vitro antifungal activity of essential oils of *Erigeron canadensis* and *Myrtus communis*. CHEMISTRY OF NATURAL COMPOUNDS. vol. 39, pp. 191-194.
35. Bruni R., Medici A., Lista A., Fantini C., Muzzoli M., Dehesa M., Romagnoli C., Sacchetti G. (2003). Chemical Composition and Biological Activities of Ishpingo Essential Oil, a Traditional Ecuadorian Spice from *Ocotea quixos* (Lam.) Kosterm. (Lauraceae) flower calices. FOOD CHEMISTRY. vol. 85, pp. 413-421.
36. Rossi D., Bruni R., Bianchi N., Chiarabelli N., Gambari R., Medici A., Lista A., Paganetto G. (2003). Evaluation of the mutagenic, antimutagenic and antiproliferative potential of *Croton lechleri* (Muell. Arg.) latex. PHYTOMEDICINE. vol. 10, pp. 139-144.
37. Bruni R., Fantin G., Medici A., Pedrini P., Sacchetti G. (2002). Plants in organic synthesis: an alternative to baker's yeast. TETRAHEDRON LETTERS. vol. 43, pp. 3377-3379
38. Bruni R., Guerrini A., Scalia S., Romagnoli C., Sacchetti G. (2002). Rapid Techniques for Extraction of Vitamin E Isomers from *Amaranthus caudatus* Seeds: Ultrasonic and Supercritical Fluid Extraction. PHYTOCHEMICAL ANALYSIS. vol. 13, pp. 257-261.

39. Bruni R., Medici A., Guerrini A., Scalia S., Poli F., Romagnoli C., Muzzoli M., Sacchetti G. (2002). Tocopherols, fatty acids and sterol distribution in wild Ecuadorian *Theobroma subincanum* (Sterculiaceae) seeds. FOOD CHEMISTRY. vol. 77, pp. 337-341.
40. Bruni R., Medici A., Guerrini A., Scalia S., Poli F., Muzzoli M., Sacchetti G. (2001). Wild *Amaranthus caudatus* seed oil, a nutraceutical resource from Ecuadorian flora. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY. vol. 49, pp. 5455-5460.
41. Bruni R., Bianchini E., Bettarello L., Sacchetti G. (2000). Lipid composition of wild Ecuadorian *Theobroma subincanum* Mart. seeds and comparison with two varieties of *Theobroma cacao* L. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY. vol. 48, pp. 691-694.