

Faculty of Pharmacy
University of Catania

Publications – Year 2008

- 1. Effect of polyunsaturated fatty acids and some conventional penetration enhancers on transdermal delivery of Atenolol**

C. Puglia, F. Bonina

DRUG DELIVERY, 15:107–112, 2008

- 2. Lipid nanoparticles for prolonged topical delivery: an in vitro and in vivo investigation**

Carmelo Puglia, Paolo Blasi, Luisa Rizza, Aurélie Schoubben, Francesco Bonina, Carlo Rossi, Maurizio Ricci

INTERNATIONAL JOURNAL OF PHARMACEUTICS 357 (2008) 295–304

- 3. Diclofenac-hydrotalcite: in vitro and in vivo release experiments**

Francesco Paolo Bonina, Maria Luigia Giannossi, Luca Medici, Carmelo Puglia, Vito Summa, Fabio Tateo

APPLIED CLAY SCIENCE 41 (2008) 165–171

- 4. Improved adhesion to mucosal cells of water-soluble chitosan tetraalkylammonium salts**

V. Cardile, G. Frasca, L. Rizza, F. Bonina, C. Puglia, A. Barge, N. Chiambretti, G. Cravotto

INTERNATIONAL JOURNAL OF PHARMACEUTICS 362 (2008) 88–92

5. Protective effects of a standardised red orange extract on air pollution-induced oxidative damage in traffic police officers

Francesco P. Bonina, Carmelo Puglia, Giuseppina Frasca, Francesco Cimino, Domenico Trombetta, Giovanni Tringali, Annamaria Roccazzello, Elio Insiriello, Paolo Rapisarda and Antonella Saija

NATURAL PRODUCT RESEARCH VOL. 22, NO. 17, 20 NOVEMBER 2008, 1544–1551

6. Conversion of oximes to carbonyl compounds by triscetylpyridinium tetrakis (oxodiperoxotungsto) phosphate (PCWP)-mediated oxidation with hydrogen peroxide

Francesco P. Ballistreri, Ugo Chiacchio, Antonio Rescifina, Gaetano Tomaselli and Rosa M. Toscano

MOLECULES 2008, 13, 1230-1237

7. Cyclopropanation of 5-methylene galactopyranosides by dihalo-, ethoxycarbonyl-, and unsubstituted carbenes

Antonino Corsaro, Maria Assunta Chiacchio, Venerando Pistara`, Antonio Rescifina, Elisa Vittorino

TETRAHEDRON 64 (2008) 8652–8658

8. 3-Amino-2(5H) furanones as inhibitors of subgenomic hepatitis C virus RNA replication

Daniela Iannazzo, Anna Piperno, Giovanni Romeo, Roberto Romeo, Ugo Chiacchio, Antonio Rescifina, Emanuela Balestrieri, Beatrice Macchi, Antonio Mastino, Riccardo Cortese

BIOORGANIC & MEDICINAL CHEMISTRY 16 (2008) 9610–9615

9. Paclitaxel loading in PLGA nanospheres affected the in vitro drug cell accumulation and antiproliferative activity

Luisa Vicari, Teresa Musumeci, Ignazio Giannone, Luana Adamo, Concetta Conticello, Ruggero De Maria, Rosario Pignatello, Giovanni Puglisi and Massimo Gulisano

BMC CANCER 2008, 8:212

10. Blocking the APRIL circuit enhances acute myeloid leukemia cell chemosensitivity

Désirée Bonci, Maria Musumeci, Valeria Coppola, Antonio Addario, Concetta Conticello, Michael Hahne, Massimo Gulisano, Francesco Grignani, and Ruggero De Maria

HAEMATOLOGICA, VOL 93, ISSUE 12, 1899-1902

11. Antibiotic susceptibility of bacterial isolates from probiotic products available in Italy

Giovanna Blandino, Ilaria Milazzo & Davide Fazio

MICROBIAL ECOLOGY IN HEALTH AND DISEASE. 2008; 20: 199_203

12. Antioxidant properties of anesthetics: the biochemist, the surgeon and the anesthetist

G. Li Volti, F. Basile, P. Murabito, F. Galvano, C. Di Giacomo, D. Gazzolo, S. Vadalà, R. Azzolina, N. D'Orazio, H. Mufeed Said, L. Vanella, A. Nicolosi, G. Basile, A. Biondi

CLIN TER 2008; 159 (6):463-469

13. Effect of ischemia–reperfusion on renal expression and activity of N_G-N_G-dimethylarginine dimethylaminohydrolases

Giovanni Li Volti, Valeria Sorrenti, Rosaria Acquaviva, Paolo Murabito, Antonino Gullo, Maria Luisa Barcellona, Fabio Galvano, Luigi Rodella, Rita Rezzani, Luca Vanella, Giovanni Tringali, Massimo Caruso, Diego Gazzolo, Claudia Di Giacomo

ANESTHESIOLOGY 2008; 109:1054–62

14. Natural heme oxygenase-1 inducers in hepatobiliary function

Giovanni Li Volti, David Sacerdoti, Claudia Di Giacomo, Maria Luisa Barcellona, Antonio Scacco, Paolo Murabito, Antonio Biondi, Francesco Basile, Diego Gazzolo, Raul Abella, Alessandro Frigiola, Fabio Galvano

WORLD J GASTROENTEROL 2008 OCTOBER 28; 14(40): 6122-6132

15. Effect of acetylcholine precursors on proliferation and differentiation of astroglial cells in primary cultures

V. Bramanti, A. Campisi, D. Tomassoni, G. Li Volti, D. Caccamo, G. Cannavo`, M. Curro`, G. Raciti, M. Napoli, R. Ientile, A. Vanella, F. Amenta, Roberto Avola

NEUROCHEM RES (2008) 33:2601–2608

16. Effect of choline-containing phospholipids on transglutaminase activity in primary astroglial cell cultures

V. Bramanti, Bronzi, D. Tomassoni, G. Li voltì, G. Cannavò, G. Raciti, M. Napoli, A. Vanella, A. Campisi, R. Ientile, and R. Avola

CLINICAL AND EXPERIMENTAL HYPERTENSION, 30:798–807, 2008

17. Carbon monoxide: vasoconstrictor or vasodilator? that's the question

Giovanni Li Volti, Luca Vanella, Diego Gazzolo, and Fabio Galvano

AM J PHYSIOL RENAL PHYSIOL 295: F901–F903, 2008

18. Portal vein thrombosis following laparoscopic total mesorectal excision: case report

S. Vadalà, N. Cinardi, G. Li Volti, G. Foresta, G. Giannone

TECH COLOPROCTOL (2008) 12:259–261

19. New-onset diabetes mellitus after Kidney Transplantation: the role of immunosuppression

M. Veroux, D. Corona, G. Giuffrida, M. Gagliano, M. Sorbello, C. Virgilio, T. Tallarita, D. Zerbo, A. Giaquinta, P. Fiamingo, M. Macarone, G. Li Volti, P. Caglia, and P. Veroux

TRANSPLANTATION PROCEEDINGS, 40, 1885–1887 (2008)

20. S100B protein concentration in milk-formulas for preterm and term infants. Correlation with industrial preparation procedures

Francesco Nigro, Luigi Gagliardi, Sabina Ciotti, Fabio Galvano, Amedeo Pietri, Gabriella Lucia Tina, Daniela Cavallaro, Luca La Fauci, Leonardo Iacopino, Matteo Bognanno, Giovanni Li Volti, Antonio Scacco, Fabrizio Michetti and Diego Gazzolo

MOL. NUTR. FOOD RES. 2008, 52, 609 – 613

21. Anesthetics and Natural Heme Oxygenase -1 inducers: waiting for carbon monoxide?

Giovanni Li Volti, Fabio Galvano, Antonio Scacco, Luca Vanella, Paolo Murabito, Antonino Gullo, Antonio Biondi, Diego Gazzolo, Salvatore Vadala`

ANNALS OF SURGERY • VOLUME 247, NUMBER 4, APRIL 2008

22. Clinical and genetic characterization of Chanarin–Dorfman Syndrome

Claudio Bruno, Enrico Bertini, Maja Di Rocco, Denise Cassandrini, Giuseppe Ruffa,

Teresa De Toni, Marco Seri, Marco Spada, Giovanni Li Volti, Adele D'Amico, Federica Trucco, Marcello Arca, Carlo Casali, Corrado Angelini, Salvatore Di Mauro, Carlo Minetti

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS 369 (2008) 1125–1128

23. Maternal dietary habits and mycotoxin occurrence in human mature milk

Fabio Galvano, Amedeo Pietri, Terenzio Bertuzzi, Luigi Gagliardi, Sabina Ciotti, Stefano Luisi, Matteo Bognanno, Luca La Fauci, Anna Maria Iacopino, Francesco Nigro, Giovanni Li Volti, Luca Vanella, Giuseppe Giammanco, Gabriella Lucia Tina and Diego Gazzolo

MOL. NUTR. FOOD RES. 2008, 52, 496 – 501

24. Protocatechuic acid: the missing human cyanidins' metabolite

Fabio Galvano, Paola Vitaglione, Giovanni Li Volti, Claudia Di Giacomo, Diego Gazzolo, Luca Vanella, Luca La Fauci, Vincenzo Fogliano

MOL. NUTR. FOOD RES. 2008, 52, 386 – 387

25. Effect of growth factors and steroids on transglutaminase activity and expression in primary astroglial cell cultures

A. Campisi, V. Bramanti, D. Caccamo, G. Li Volti, G. Cannavò, M. Currò, G. Raciti, F. Galvano, F. Amenta, A. Vanella, R. Ientile, and R. Avola

JOURNAL OF NEUROSCIENCE RESEARCH 86:1297–1305 (2008)

26. Nitric oxide test during cardiac catheterization decreases the serum concentrations of S100B protein in adult patients with idiopathic pulmonary hypertension

G. P. Ussia, I. G. Tina, M. Scarabelli, F. Nigro, G. Li Volti, D. Cavallaro, V. Salvo, M. Mule`, E. Caruso, C. Tamburino & D. Gazzolo

27. Regulation of neuronal connexin-36 channels by pH

Daniel González-Nieto, Juan M. Gómez-Hernández, Belén Larrosa, Cristina Gutiérrez, María D. Muñoz, Ilaria Fasciani, John O' Brien, Agata Zappalà, Federico Cicirata, and Luis C. Barrio

PNAS _ NOVEMBER 4, 2008 _ VOL. 105 _ NO. 44 _ 17169–17174

28. Theoretical calculations of the Catalytic Triad in short-chain Alcohol Dehydrogenases/Reductases

Osman A. B. S. M. Gani, Olayiwola A. Adekoya, Laura Giurato, Francesca Spyrakis, Pietro Cozzini, Salvatore Guccione, Jan-Olof Winberg, and Ingebrigt Sylte

BIOPHYSICAL JOURNAL VOLUME 94 FEBRUARY 2008 1412–1427

29. Chiral discrimination processes by C9 carbamate derivatives of dihydroquinine: interaction mechanisms of diastereoisomeric 9-*O*-[(*S*)- or (*R*)-1-(1-naphthyl) ethylcarbamate]dihydroquinine and the two enantiomers of *N*- (3,5-dinitrobenzoyl) alanine methyl ester

Gloria Uccello-Barretta, Federica Balzano, Silvia Bardoni, Letizia Vanni, Laura Giurato and Salvatore Guccione

TETRAHEDRON: ASYMMETRY 19 (2008) 1084–1093

30. The cell cycle molecules behind neurodegeneration in Alzheimer's disease: Perspectives for drug development

A. Copani, S. Guccione, L. Giurato, F. Caraci, M. Calafiore, M.A. Sortino and F. Nicoletti

CURRENT MEDICINAL CHEMISTRY, 2008, 15, 2420-2432

31. Potential anticancer activity against human epithelial cancer cells of *Peumus boldus* leaf extract

Juan Garbarino, Nicolas Troncoso, Giuseppina Frasca, Venera Cardile and Alessandra Russo

NATURAL PRODUCT COMMUNICATIONS VOL. 3 (12) 2008

32. Eugenol and its synthetic analogues inhibit cell growth of human cancer cells (Part I)

H. Carrasco A., L. Espinoza C., V. Cardile, C. Gallardo, W. Cardona, L. Lombardo, K. Catalán M., M. Cuellar F. and A. Russo

J. BRAZ. CHEM. SOC., VOL. 19, NO. 3, 543-548, 2008.

33. Lichen metabolites prevent UV light and nitric oxide-mediated plasmid DNA damage and induce apoptosis in human melanoma cells

A. Russo a, M. Piovano, L. Lombardo, J. Garbarino, V. Cardile

LIFE SCIENCES 83 (2008) 468–474

34. *Solidago chilensis* Meyen et *Kageneckia oblonga* Ruiz & Pav.: petite revue de leur profil antioxydant¹

A. Russo, J. Garbarino

PHYTOTHÉRAPIE (2008) 6: 333–341

35. Nitric Oxide and skin: effect of natural compounds

Alessandra Russo, Rosaria Acquaviva and Luca Vanella

TRANSWORLD RESEARCH NETWORK 37/661 (2)

36. Copper-Catalyzed Coupling Reaction of 2-Thioxo-4-quinazolinone and Thieno [3,2-*d*] pyrimidin-4-one Methane Sulphonamide with Aryl Iodides: Preparation of potential COX-2 Selective Inhibitors

Antonio Perdicaro, Giuseppe Granata, Agostino Marrazzo, and Andrea Santagati

SYNTHETIC COMMUNICATIONS, 38: 723–737, 2008

37. Synthesis and receptor binding of new Thieno[2,3-*d*]-pyrimidines as selective ligands of 5-HT₃ receptors

Maria N. Modica, Giuseppe Romeo, Loredana Salerno, Valeria Pittalà, Maria A. Siracusa, Ilario Mereghetti, Alfredo Cagnotto, Tiziana Mennini, Róbert Gáspár, Adrienn Gál, George Falkay, Márta Palkó, Gábor Maksay, and Ferenc Fülöp

ARCH. PHARM. CHEM. LIFE SCI. 2008, 341, 333 – 343

38. Nitric oxide in brain ischemia: basis for new therapeutical strategies

C. Di Giacomo, V. Sorrenti and A. Vanella

TRANSWORLD RESEARCH NETWORK 37/661 (2)

39. Response of cell cycle/stress-related protein expression and DNA damage upon treatment of CaCo2 cells with anthocyanins

Marcella Renis, Laura Calandra, Christian Scifo, Barbara Tomasello, Venera Cardile, Luca Vanella, Roberto Bei, Luca La Fauci and Fabio Galvano

BRITISH JOURNAL OF NUTRITION (2008), 100, 27–35

40. Biocompatibility of poly (D,L-lactide-*co*-glycolide) nanoparticles conjugated with alendronate

Elisabetta Cenni, Donatella Granchi, Sofia Avnet, Caterina Fotia, Manuela Salerno, Dorotea Micieli, Maria G. Sarpietro, Rosario Pignatello, Francesco Castelli, Nicola Baldini

BIOMATERIALS 29 (2008) 1400E1411

- 41. Effect of variation in the chain length and number in modulating the interaction of an immunogenic lipopeptide with biomembrane models**

Maria Grazia Sarpietro, Dorotea Micieli, Rosario Pignatello, Ming Tao Liang, Istvan Toth, Francesco Castelli

THERMOCHIMICA ACTA 471 (2008) 14–19

- 42. Differential scanning calorimetry study on drug release from an inulin-based hydrogel and its interaction with a biomembrane model: pH and loading effect**

Francesco Castelli, Maria Grazia Sarpietro, Dorotea Micieli, Sara Ottimo, Giovanna Pitarresi, Giuseppe Tripodo, Bianca Carlisi, Gaetano Giammona

EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES 35 (2008) 76–85

- 43. Absorption of nitro-polycyclic aromatic hydrocarbons by biomembrane models: Effect of the medium lipophilicity**

Francesco Castelli, Dorotea Micieli, Sara Ottimo, Zelica Minniti, Maria Grazia Sarpietro, Vito Librando

CHEMOSPHERE 73 (2008) 1108–1114

- 44. Computational studies to discover a new NR2B/NMDA Receptor antagonist and evaluation of pharmacological profile**

Rosaria Gitto, Laura De Luca, Stefania Ferro, Francesco Occhiuto, Stefania Samperi, Giovanbattista De Sarro, Emilio Russo, Lucia Ciranna, Lara Costa, and Alba Chimirri

CHEMMEDCHEM 2008, 3, 1539 – 1548

45. Synthesis and anticonvulsant evaluation of N-substituted isoquinoline AMPA receptor antagonists

Rosaria Gitto, Laura De Luca, Benedetta Pagano, Rita Citraro, Giovanbattista De Sarro, Lara Costa, Lucia Ciranna and Alba Chimirri

BIOORGANIC & MEDICINAL CHEMISTRY 16 (2008) 2379–2384

46. La noradrenalina modifica la frequenza della scarica spontanea di reti neuronali coinvolte nel controllo del movimento

Guido Li Volsi, Massimo Barresi, Daniela Bronzi, Maria Caldera, Lara Costa, Michela Di Mauro, Claudia Grasso, Daniele Tibullo, Lucia Ciranna, Flora Licata E Francesca Santangelo

BOLLETTINO ACCADEMIA GIOENIA SCI. NAT. VOL. 41 N°3 69 PP. 1 – 8

47. Activation of the Osteopontin/MatrixMetalloproteinase-9 Pathway correlates with prostate cancer progression

Giancarlo Castellano, GraziaMalaponte, Maria C.Mazzarino, Mariangela Figini, Francesco Marchese, Pietro Gangemi, Salvatore Travali, Franca Stivala, Silvana Canevari, and Massimo Libra

CLIN CANCER RES 2008;14(22) NOVEMBER 15, 2008

48. Violation of the single-parameter scaling hypothesis in disordered graphene nanoribbons

Giuseppe Forte, Renato Pucci

49. Modeling vacancies and hydrogen impurities in graphene: a molecular point of view

G. Forte, A. Grassi, G.M. Lombardo, A. La Magna, G.G.N. Angilella, R. Pucci, R. Vilardi

PHYSICS LETTERS A 372 (2008) 6168–6174

50. Molecules in clusters: The case of planar LiBeBCNOF built from a triangular form LiOB and a linear four-center species FBeCN

G. Forte, A. Grassi, G.M. Lombardo, G.G.N. Angilella, N.H. March, R. Pucci

PHYSICS LETTERS A 372 (2008) 3253–3255

51. Löwdin correlation energy density of the inhomogeneous electron liquid in some closed-shell molecules at equilibrium geometry

A. Grassi, G.M. Lombardo, G.G.N. Angilella, G. Forte, N.H. March, C. Van Alsenoy and R. Pucci

PHYSICS AND CHEMISTRY OF LIQUIDS VOL. 46, NO. 5, OCTOBER 2008, 484–490

52. Intercalated disk remodeling in δ -sarcoglycan-deficient hamsters fed with an α -linolenic acid-enriched diet

Laura Masuelli, Paola Trono, Laura Marzocchella, Marie-Agnes Mrozek, Camilla Palumbo, Marilena Minieri, Felicia Carotenuto, Roberta Fiaccavento, Alessandra Nardi, Fabio Galvano, Paolo Di Nardo, Andrea Modesti and Roberto Bei

INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE 21: 41-48, 2008 41

53. In vitro activity of tigecycline and comparators against carbapenem-susceptible and resistant *Acinetobacter Baumannii* Clinical isolates in Italy

Maria Lina Mezzatesta, Giusi Trovato, Floriana Gona, Vito Mar Nicolosi, Daria Nicolosi, Alessandra Carattoli, Giovanni Fadda, Giuseppe Nicoletti and Stefania Stefani

ANNALS OF CLINICAL MICROBIOLOGY AND ANTIMICROBIALS 2008, 7:4

54. Preventive and curative effects of cyclophosphamide in an animal model of Guillain Barrè syndrome

Katia Mangano, Gabriele Dati, Cinzia Quattrocchi, Lidia Proietti, Clorinda Mazzarino, Roberto Di Marco, Klaus Bendtzen, Beatrice Greco, Paola Zaratini, Ferdinando Nicoletti

JOURNAL OF NEUROIMMUNOLOGY 196 (2008) 107–115

55. Intestinal metabolism of weaned piglets fed a typical United States or European diet with or without supplementation of tributyrin and lactitol

A. Piva, E. Grilli, L. Fabbri, V. Pizzamiglio, P. P. Gatta, F. Galvano, M. Bognanno, L. Fiorentini, J. Woliński, R. Zabielski, and J. A. Patterson

J. ANIM. SCI. 2008. 86:2952–2961

56. Synthesis of new Arylpiperazinylalkylthiobenzimidazole, Benzothiazole, or Benzoxazole derivatives as potent and selective 5-HT_{1A} serotonin receptor ligands

Maria A. Siracusa, Loredana Salerno, Maria N. Modica, Valeria Pittala`, Giuseppe Romeo, Maria E. Amato, Mateusz Nowak, Andrzej J. Bojarski, Ilario Mereghetti, Alfredo Cagnotto, and Tiziana Mennini

J. MED. CHEM. 2008, 51, 4529–4538

- 57. In vitro skin permeation of sunscreen agents from O/W emulsions**
L. Montenegro, C. Carbone, D. Paolino, R. Drago, A. H. Stancampiano and G. Puglisi

INTERNATIONAL JOURNAL OF COSMETIC SCIENCE, 2008, 30, 57–65

- 58. Effect of lipophilicity of dispersed drugs on the physicochemical and technological properties of solid lipid nanoparticles**
Annalisa H.S. Stancampiano, Giovanni Puglisi and Rosario Pignatello

THE OPEN DRUG DELIVERY JOURNAL, 2008, 2, 26-32

- 59. Development of a liposome formulation for D- Cycloserine local delivery**
Teresa Musumeci, Cinzia Anna Ventura, Ignazio Giannone, Rosario Pignatello, and Giovanni Puglisi

JOURNAL OF LIPOSOME RESEARCH, 18:211-224, 2008

- 60. Chitosan microspheres for intrapulmonary administration of moxifloxacin: Interaction with biomembrane models and *in vitro* permeation studies**
Cinzia A. Ventura, Silvana Tommasini, Emanuela Crupi, Ignazio Giannone, Venera Cardile, Teresa Musumeci, Giovanni Puglisi

EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS 68 (2008) 235–244

- 61. A new sigma ligand, (±)-PPCC, antagonizes kappa opioid receptor-mediated antinociceptive effect**
Orazio Prezzavento, Carmela Parenti, Agostino Marrazzo, Simone Ronsisvalle, Franco Vittorio, Giuseppina Aricò, Giovanna M. Scoto, Giuseppe Ronsisvalle

LIFE SCIENCES 82 (2008) 549–553

- 62. Thermal effects on mixed metal (Zn/Al) layered double hydroxides: direct modeling of the X-Ray powder diffraction line shape through molecular dynamics simulations**

Giuseppe M. Lombardo and Giuseppe C. Pappalardo

CHEM. MATER. 2008, 20, 5585–5592

- 63. Synthesis and endothelin receptor binding affinity of a novel class of 2-substituted-4-aryl-3-quinolinecarboxylic acid derivatives**

Valeria Pittalà, Maria Modica, Loredana Salerno, Maria Angela Siracusa, Francesco Guerrera, Ilario Mereghetti, Alfredo Cagnotto, Tiziana Mennini and Giuseppe Romeo

MEDICINAL CHEMISTRY, 2008, 4, 129-137

- 64. Microbiological and clinical periodontal effects of fixed orthodontic appliances in pediatric patients**

Anna Maria Lo Bue, Giovanna Blandino, Ilaria Milazzo, Daria Nicolosi, Giuditta Cali, Bruno Rossetti, Roberto Di Marco

NEW MICROBIOLOGICA, 31, 299-302, 2008

- 65. Influence of glucose on Cyanidin 3-Glucoside absorption in rats**

Catherine Felgines, Odile Texier, Catherine Besson, Paola Vitaglione, Jean-Louis Lamaison, Vincenzo Fogliano, Augustin Scalbert, Luca Vanella and Fabio Galvano

MOL. NUTR. FOOD RES. 2008, 52, 959 – 964

- 66. Distribution of ADP-ribosylation factor-related protein 1 in mouse brain**

S. Paratore, R. Parenti and S. Cavallaro

ARCHIVES ITALIENNES DE BIOLOGIE, 146: 53-61, 2008.

67. Pharmacokinetic study of a new angiotensin-AT₁ antagonist by HPLC

M. Rizzo, D. Ventrice, F. Casale, G.F. Caselli, F. Makovec

JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS 48 (2008) 422–427

68. Probiotics: overview of microbiological characteristics

Giovanna Blandino, Davide Fazio, and Roberto di Marco

EXPERT. REV. ANTI INFECT. THER. 6(4), 497 – 508 (2008)

69. New compounds controlling NO overproduction

L. Salerno, M. Modica, G. Romeo, V. Pittalà and M. A. Siracusa

TRANSWORLD RESEARCH NETWORK 37/661 (2)

70. Calix[4]arene decorated with four Tn Antigen Glycomimetic Units and P₃CS Immunoadjuvant: synthesis, characterization, and anticancer immunological evaluation

Corrada Geraci, Grazia M. L. Consoli, Eva Galante, Ennio Bousquet, Maria Pappalardo, and Angelo Spadaro

BIOCONJUGATE CHEM. 2008, 19, 751–758

71. A cytoprotective role for the Heme Oxygenase-1/CO pathway during neural differentiation of human mesenchymal stem cells

Ignazio Barbagallo, Daniele Tibullo, Michelino Di Rosa, Cesarina Giallongo, Giuseppe A. Palumbo, Giuseppina Raciti, Agata Campisi, Angelo Vanella, Colin J. Green, and Roberto Motterlini

JOURNAL OF NEUROSCIENCE RESEARCH 86:1927–1935 (2008)

72. Controlling molecular assembling by photons: reversible light-powered monomer–aggregate interconversion of porphyrins

Fiorella L. Callari and Salvatore Sortino

CHEM. COMMUN., 2008, 6179–6181

73. Bifunctional nanoparticle assemblies: photoluminescent and nitric oxide photodelivering monolayer protected platinum clusters

Mariarita Barone, Angela Mascali and Salvatore Sortino

NEW J. CHEM., 2008, 32, 2195–2200

74. Amplified nitric oxide photorelease in DNA proximity

Fiorella L. Callari and Salvatore Sortino

CHEM. COMMUN., 2008, 1971–1973

75. Light-triggered DNA release by dynamic monolayer films

Fiorella L. Callari, Salvatore Petralia, Sabrina Conoci and Salvatore Sortino

NEW J. CHEM., 2008, 32, 1899–1903

76. Nitric oxide photoreleasing multilayer films

Ludovico Valli, Gabriele Giancane and Salvatore Sortino

J. MATER. CHEM., 2008, 18, 2437–2441

77. Biocompatible nanoparticles of amphiphilic cyclodextrins entangling porphyrins as suitable vessels for light-induced energy and electron transfer

Fiorella L. Callari, Antonino Mazzaglia, Luigi Monsù` Scolaro, Ludovico Valli and Salvatore Sortino

- 78. Amplification of the coloration efficiency of photochromic oxazines**
Massimiliano Tomasulo, Salvatore Sortino, and Francisco M. Raymo

ADV. MATER. 2008, 20, 832–835

- 79. A new family of photochromic compounds based on the photoinduced opening and thermal closing of [1,3] oxazine rings**
Massimiliano Tomasulo, Salvatore Sortino, Francisco M. Raymo

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A: CHEMISTRY 200 (2008) 44–49

- 80. Bichromophoric photochromes based on the opening and closing of a single oxazine ring**
Massimiliano Tomasulo, Salvatore Sortino, and Francisco M. Raymo

J. ORG. CHEM. 2008, 73, 118–126

- 81. Langmuir–Schäfer films of functional Amphiphilic Nickel (II) and Zinc (II) Schiff Base complexes**
Santo Di Bella, Giuseppe Consiglio, Salvatore Sortino, Gabriele Giancane, and Ludovico Valli

EUR. J. INORG. CHEM. 2008, 5228–5234

- 82. Nanostructured molecular films and nanoparticles with photoactivable functionalities**
Salvatore Sortino

PHOTOCHEM. PHOTOBIOLOG. SCI., 2008, 7, 911–924

83. Sensory analysis on Red Wines: discrimination by adaptive fuzzy partition (AFP)

Nadège Piclin, Marco Pintore, Carmela Maria Lanza, Antonio Scacco, Salvatore Guccione, Laura Giurato, Jacques R. Chrétien

J. SENSORY STUDIES, 23, 4, 2008, 558-569

84. The WNT Antagonist, Dickkopf-1, as a target for the treatment of neurodegenerative disorders

Filippo Caraci, Carla Busceti, Francesca Biagioni, Eleonora Aronica, Federica Mastroiacovo, Irene Cappuccio, Giuseppe Battaglia, Valeria Bruno, Andrea Caricasole, Agata Copani, Ferdinando Nicoletti

NEUROCHEM RES (2008) 33:2401–2406

85. Integrins mediate β -Amyloid-Induced cell-cycle activation and neuronal death

Giuseppina Frasca, Viviana Carbonaro, Sara Merlo, Agata Copani, and Maria Angela Sortino

JOURNAL OF NEUROSCIENCE RESEARCH 86:350–355 (2008)

86. TGF- β 1 protects against A β -neurotoxicity via the phosphatidylinositol-3-kinase pathway

Filippo Caraci, Giuseppe Battaglia, Carla Busceti, Francesca Biagioni, Federica Mastroiacovo, Paolo Bosco, Filippo Drago, Ferdinando Nicoletti, Maria Angela Sortino, and Agata Copani

NEUROBIOLOGY OF DISEASE 30 (2008) 234–242

87. TGF β 1 targets the GSK-3 β / β -catenin pathway via ERK activation in the transition of human lung fibroblasts into myofibroblasts

Filippo Caraci, Elisa Gili, Marco Calafiore, Marco Failla, Cristina La Rosa, Nunzio Crimi, Maria Angela Sortino, Ferdinando Nicoletti, Agata Copani, Carlo Vancheri

PHARMACOLOGICAL RESEARCH 57 (2008) 274–282

88. Group I metabotropic glutamate receptors control proliferation, survival and differentiation of cultured neural progenitor cells isolated from the subventricular zone of adult mice

Marzia Castiglione, Marco Calafiore, Lara Costa, Maria Angela Sortino, Ferdinando Nicoletti, Agata Copani

NEUROPHARMACOLOGY 55 (2008) 560–567

89. Modeling immune system control of atherogenesis

Pappalardo, F., Musumeci, S., Motta, S.

BIOINFORMATICS (2008), 24:15, 1715-1721

90. Optimal vaccination schedules using simulated annealing

Pennisi, M., Catanuto, R., Pappalardo, F., Motta, S.

BIOINFORMATICS (2008), 24:15, 1740-1742

91. Computational simulations of the immune system for personalized medicine: state of the art and challenges

Pappalardo, F., Zhang, P., Halling-Brown, M., Basford, K., Scalia, A., Shepherd, A., Moss, D., Motta, S., Brusica, V.

CURRENT PHARMACOGENOMICS AND PERSONALIZED MEDICINE, 6:4, 260-271

92. Modelling vaccine protocols, aspects of mathematical modelling

Motta, S., Lollini, P.-L., Pappalardo, F. R. Hosking and E. Venturino

EDS., BIRKHAUSER (2008), ISBN: 978-3-7643-8590-3, 195-210.

93. Predictive models in tumor immunology, selected topics on cancer modeling: genesis - evolution - immune competition – therapy

Lollini,P.-L., Palladini,A., Pappalardo,F., Motta,S. Nicola Bellomo, Mark Chaplain, and Elena De Angelis

EDS., BIRKHAUSER (2008), ISBN: 978-0-8176-4712-4, 363-384

94. Translational immunomics of cancer immunoprevention, clinical applications of immunomics

Nicoletti,G., Palladini,A., Murgo,A., Antognoli,A., Croci,S., Pappalardo,F., Motta,S., Lollini,P.-L., A. Falus and V. Brusic

EDS., SPRINGER (2008), ISBN: 978-0-387-79207-1, 253-268

95. Agent based modeling of humoral response to atherogenesis, fifth International Meeting on Computational Intelligence Methods for Bioinformatics and Biostatistics

Pappalardo,F., Gullo,F., Catanuto,R., Mastriani,E., Pennisi,M., Musumeci,S., Motta,S.

(CIBB 2008), ISBN: 978-88-903537-1-0

96. Flurbiprofen derivatives in Alzheimer's disease: synthesis, pharmacokinetic and biological assessment of lipoamino acid prodrugs

Pignatello R, Pantò V, Salmaso S, Bersani S, Pistarà V, Kepe V, Barrio JR, Puglisi G.

BIOCONJUG CHEM. 2008; 19(1):349-357.

97. Antioxidant activity and phenolic content of strawberry genotypes from *Fragaria x ananassa*

A. M. Panico, F. Garufia, S. Nitto, R. Di Mauro, R. C. Longhitano, G. Magri, A. Catalfo, M. E. Serrentino, and G. De Guidi

98. Loss of Aromatase cytochrome P450 as a risk factor for Parkinson's disease ?

Morale MC, L'Episcopo F, Tirolo C, Giaquinta G, Caniglia S, Testa N, Arcieri P, Serra P-A, Lupo G, Albergina M, Harada N, Honda S, Panzica GC & Marchetti B

BRAIN RES REV 2008, 57:431-443

99. Effect of phosphonated carbocyclic 2'-Oxa-3'-Aza-Nucleoside on human T-Cell Leukemia Virus Type 1 infection in vitro

Emanuela Balestrieri, Claudia Matteucci, Arianna Ascolani, Anna Piperno, Roberto Romeo, Giovanni Romeo, Ugo Chiacchio, Antonio Mastino and Beatrice Macchi

ANTIMICROBIAL AGENTS AND CHEMOTHERAPY, Jan. 2008, p. 54-64 Vol. 52, No. 1

100. Electronic and vibrational polarizabilities of the twenty naturally occurring amino acids

Salvatore Millefiori, Andrea Alparone, Arcangelo Millefiori, Angelo Vanella

BIOPHYSICAL CHEMISTRY 132 (2008) 139-147

101. Simultaneous determination of Catechins, Rutin and Gallic Acid in Cistus species extracts by HPLC with Diode Array Detection

N. A. Santagati, L. Salerno, G. Attaguile, F. Savoca, G. Ronsisvalle

J. CHROM. SCI., 46, 150-156, (2008).

102. Immobilization of the enzyme glucose oxidase on both bulk and porous SiO₂ surfaces

Sebania Libertino, Venera Aiello, Antonino Scandurra, Marcella Renis And Fulvia Sinatra

103. XPS and AFM characterization of the enzyme glucose oxidase immobilized on SiO₂ surfaces

Libertino S, Giannazzo F, Aiello V, Scandurra A, Sinatra F, Renis M, Fichera M.

LANGMUIR. 24(5):1965-72, 2008.

104. Nitric oxide and pathophysiology of articular cartilage

Cardile V, Renis M.

DEVEL. IN CHEMISTRY AND BIOLOGY OF NITRIC OXIDE, 83-115, - EDS SORRENTI V. AND VANELLA A. 2008.

105. Antiviral activity of isoxazolecarbonitriles against Coxsackievirus A9

Bisignano B; Timpanaro R; Garozzo A; Stivala A; Tempera G; Castro A.

CLINICAL MICROBIOLOGY AND INFECTION. Vol. 14 (7). pp. 556. ISSN: 1198-743X.

106. Econazole-Polycarbophil, a new delivery system for topical therapy: microbiological and clinical results on vaginal candidiasis

P.M. Furneri, S. Corsello, G.Masellis; M. Salvatori, E. Cammarata, L. S. Roccasalva, A. Mangiafico; G. Tempera

JOURNAL OF CHEMOTHERAPY. Vol. 20. pp. 336-340. ISSN: 1120-009X.

107. Bacteriological and serological aspects of Chlamydia pneumoniae pharyngotonsillitis in adults

Timpanaro R; Bisignano B; Stivala A; Garozzo A; Castro A; Tempera G.

CLINICAL MICROBIOLOGY AND INFECTION. Vol. 14 (7). pp. S254-254. ISSN: 1198-743X.

108. Solid dispersions of Chitosan Glutamate for the local delivery of miconazole: characterization and in vitro activity

Pignatello R, Mangiafico A, Panto V, Puglisi G, Furneri PM.

THE OPEN DRUG DELIV JOURNAL, 2:44-51, 2008

109. Cyclopropanation of 5-methylene galactopyranosides by dihalo-, ethoxycarbonyl-, and unsubstituted carbenes

Corsaro, Antonino; Chiacchio, Maria Assunta; Pistara, Venerando; Rescifina, Antonio; Vittorino, Elisa.

TETRAHEDRON (2008), 64(37), 8652-8658.

110. From cyclopentadiene to isoxazoline-carbocyclic nucleosides: a rapid access to biological molecules through Aza-Diels-Alder reactions

Quadrelli, Paolo; Piccanello, Andrea; Mella, Mariella; Corsaro, Antonino; Pistara, Venerando

TETRAHEDRON (2008), 64(16), 3541-3547.

111. Development of real-time PCR systems based on SYBR Green I and TaqMan technologies for specific quantitative detection of *Phoma tracheiphila* in infected Citrus

Maria Antonietta De Montis, Santa Olga Cacciola, Marcella Orrù, Virgilio Balmas, Valentina Chessa, Bianca Elena Maserti, Laura Mascia, Francesco Raudino, Gaetano Magnano di San Lio, Quirico Migheli

EUR J PLANT PATHOL (2008) 120:339-351

112. Globalizzazione e difesa delle colture. Il caso delle Palme

Longo S., Colazza S., Cacciola S. O., Magnano di San Lio G.

SOCIETA' EDITRICE FIORENTINA, ISBN/ISSN 978-88-596-0452-5

113. Le malattie dell'olivo: dalla collera degli dei ai Postulati di Koch
Agosteo GE, Cacciola SO, Magnano di San Lio G, Pane A

LA SICILIA DELL'OLIO GIUSEPPE MAIMONE EDITORE P.89-101

114. Management of Citrus diseases caused by Phytophthora Spp
Santa Olga Cacciola and Gaetano Magnano di San Lio

INTEGRATED MANAGEMENT OF DISEASES CAUSED BY FUNGI, PHYTOPLASMA AND BACTERIA – SPRINGER- ISBN:
978-1-4020-8570-3 E ISBN: 978-1-4020-8571-0 – SECTION 1- CHAP. 4 – PP. 61-84

115. Olio di Oliva e benessere
Annamaria Panico, Floriana Garufi

LA SICILIA DELL'OLIO GIUSEPPE MAIMONE EDITORE P.P. 219-229

116. First report of *Phytophthora* spp. As Pathogens of *Pandorea jasminoides* in Italy
A. Pane, S.O. Cacciola, A. Chimento, C. Allatta, S. Scibetta, and G. Magnano di San Lio

PLANT DISEASE, FEBRUARY 2008, VOL. 92, N. 2

117. Blight caused by *Sclerotium rolfsii* on potted ornamental citrus in Sicily

A. Pane, M. Magnano di San Lio, F. Raudino, S. O. Cacciola

PLANT DISEASE, JUNE 2008, VOL. 92, N. 6