SAPIENZA UNIVERSITÀ DI ROMA

FACOLTÀ DI FARMACIA E MEDICINA

DIPARTIMENTO DI CHIMICA E TECNOLOGIE DEL FARMACO

CURRICULUM VITAE of PROF. Luisa Mannina

PERSONAL DETAILS

First Name and Surname	**LUISA MANNINA**
Department	**Chimica e Tecnologie del Farmaco**
Address	**Piazzale Aldo Moro, 5 Rome, 00185 Rome, Italy**
Telephone / mobile	**+39 06 49913735**
Email	**luisa.mannina@uniroma1.it**

Academic Position

2019-present. Full Professor of Food Chemistry at Sapienza, University of Rome, Department of Drug Chemistry and Technologies

2009-2018. Associated Professor of Food Chemistry at Sapienza, University of Rome, Department of Drug Chemistry and Technologies.

2014-2020. Qualified as Full professor in the scientific sector Pharmaceutical, Toxicological and Nutraceutical-Food Chemistry and Technologies.

04/18/2018. Winner of the competition for the position of Full Professor CHIM10 Chemistry of Food (DR 1104 / 2018, 18 April 2018)

07/2018. Winner of the GIDRM/GIRM gold medal for the contribution in NMR research

2005-2009. Associated Professor in General Chemistry at the University of Molise, Faculty of Agriculture, Campobasso, Italy.

1996-2005. Researcher in General Chemistry at the University of Molise, Faculty of Agriculture, Campobasso, Italy

Work Experience

President of the Degree Course in Applied Pharmaceutical Sciences (2012-2015, 2015-2018).

Director of the Metabolomics Unit: Foods, Nutraceuticals and Biological Fluids Research (Sapienza, University of Rome, 2013).

Director of the 2nd level Master in Nutraceuticals and Cosmeceuticals of Vegetable products (2015)

Director of the 2nd level Master in "I Manager Chaive nell'Azienda Nutraceutica e Cosmeceutica" (2018-2109)

Partecipant of the VQR 2011-2014 Expert Evaluation Group (GEV)

Education

1992. Graduated in Chemistry from Faculty of Science, University "La Sapienza" of Rome.

Felloships:

1-11-1992 / 31-10-1993: from Mediolanum Farmaceutici and CNR Area della Ricerca di Roma, NMR Service Monterotondo, Rome, Italy. Research Title: "NMR Structural study of inositolic compounds".

1-11-1993/31-10-1994: from Biomedica Foscama and CNR, NMR service, Area della Ricerca di Roma, CNR, Monterotondo, Rome, Italy. Research Title: "NMR structural study of fructose derivatives".

1-3-1995 al 15-2-1996: from EU (European Union) and CNR Istituto di Strutturistica Chimic "Giordano Giacomello", CNR, Monterotondo, Rome, Italy.Research Title: "NMR study of paper". Travel expenses from EU and CNR to attend a course on NMR of Natural Compounds for specialists at the Academy of Sciences of the Czech Republic, Institute of Microbiology, Prague

Teaching

- Food Chemistry for the Degree Course in Chemistry and Technologies of Drugs (8 credits, 64 hours)
- Food Chemistry and Dietetic Products for Degree Course in Pharmacy (8 Credits, 64 Hours in Lending)
- Nutraceutical and Dietetic Products for the Degree Course in Applied Pharmaceutical Sciences (6 Credits, 48 Hours)
- Food Chemistry for the Dietary Degree Course (2 credits, 20 hours)

From 1999 to 2009 General Chemistry at University of Molise.

PhD boarding Member

Boarding Member of PhD in Food and Wine Sciences, University of Messina (2010-2014)

Boarding Member of PhD.in Food Biotechnology, University of Molise (2005 -2010)

Boarding Member of the PhD in Environment and Territory, University of Molise (1999- 2005)

AWARDS

2018. GIDRM / GIRM 2018 gold medal. (Turin, 19 September 2018)

2017. Funding for basic research activities. ANVUR Public notice n. 20/2017, 15-06-2017:Amount 3000 euros

Scientific Activity

The scientific activity of Prof. Luisa Mannina is focused on the study of food matrices by means of Nuclear Magnetic Resonance (NMR) spectroscopy. She has developed a protocol that includes the study of the foodstuffs metabolic profile and according to the specific problem the statistical elaboration of the NMR data.

She has published more than 150 papers on International and National journals.

Her h-index is 41 (Scopus).

She was invited for plenary lectures regarding the application of NMR in Food Chemistry.

She has scientific collaborations with researches of European Universities and Research Centres.

She has been the scientific responsible of University projects, conventions and contracts and has participated in National and European projects.

She has been a board member of GIDRM (Italian Magnetic Resonance Group).

She has organized conferences on Food Chemistry.

She is a member of the Scientific Committee of La Rivista Italiane delle Sostanze Grasse.

She is Associated Editor of the Journal of Integrated Omics.

Peer reviewed publications (last 10 years)

N. Araghipour, J. Colineau, A. Koot, W. Akkermans, J.M. Moreno Roja, J. Beauchamp, A. Wisthaler, T.D. Märk, G. Downey, C. Guillou, L. Mannina, S. van Ruth
"Geographical origin classification of olive oils by PTR-MS"
Food Chemistry, Vol. 108, No. 1, pp. 374-383, 2008
DOI: 10.1016/j.foodchem.2007.10.056

M.P. Donzello, E. Viola, X. Cai, L. Mannina, C. Rizzoli, G. Ricciardi, C. Ercolani, K. Kadish, A. Rosa
"Tetra-2,3-pyrazinoporphyrazines with Externally Appended Pyridine Rings. 5. Synthesis, Physicochemical and Theoretical Studies of a Novel Pentanuclear Pd(II) Complex and Related Mononuclear Species"
Inorganic Chemistry, Vol. 47, No. 9, pp. 3903- 3919, 2008
DOI: 10.1021/ic702430j

M.P. Donzello, C. Ercolani, L. Mannina, E. Viola, A. Bubnova, O. G. Khelevina, P. A. Stuzhin
"Synthesis and Spectral Properties of Low-Symmetry Tribenzoporphyrazines with Annulated 6H-1,4-Diazepine Ring"
Australian Journal of Chemistry, Vol. 61, pp. 262-272, 2008
DOI: 10.1071/CH08071

F. Khallouki, L. Mannina, S.Viel, R.W. Owen
"Thermal stability and long-chain fatty acid positional distribution on glycerol of argan oil"
Food Chemistry, Vol. 110, No. 1, pp. 57-61, 2008
DOI: 10.1016/j.foodchem.2008.01.055

A. Fiore, L. Mannina, A.P. Sobolev A.M. Salzano, A. Scaloni, I. Grgurina, M.R. Fullone, M. Gallo, V. Fogliano, J. Takemoto
"Bioactive Lipopeptides of Ice Nucleating Bacterium Pseudomonas syringae strain 31R"
FEMS Microbiology Letters, Vol. 286, No. 2, pp158-165, 2008
DOI: 10.1111/j.1574-6968.2008.01247.x

C. Di Meo, L. Panza, F. Campo, D. Capitani, L. Mannina, A. Banzato, M. Rondina, A. Rosato, V. Crescenzi
"Novel Types of Carborane-Carrier Hyaluronan Derivatives via ''Click Chemistry''
Macromolecular Bioscience, Vol. 8, No. 7, pp. 670-681, 2008
DOI: 10.1002/mabi.200700304

C. Pasquini, I. Fratoddi, D. Capitani, L. Mannina, M. Bassetti
"One-Step Synthesis of Low Molecular Weight Poly(p-phenyleneethynylenevinylene)s via Polyaddition of Aromatic Diynes by Catalysis of the [Ru(p-cymene)Cl2]2/AcOH System"
Journal of Organic Chemistry, Vol. 73, No. 10, pp. 3892-3899, 2008
DOI: 10.1021/jo800471p

L. Mannina, A.P. Sobolev, D. Capitani, N. Iaffaldano, M.P. Rosato, P. Ragni, A. Reale, E. Sorrentino, I. D'Amico, R. Coppola
"NMR Metabolic Profiling of Organic and Aqueous Sea Bass extracts: Implications in the Discrimination of Wild and Cultured Sea Bass"
Talanta, Vol. 77, No. 2, pp. 433-444, 2008
DOI: 10.1016/j.talanta.2008.07.006

A. Reale, E. Sorrentino, N. Iaffaldano, M.P. Rosato, P. Ragni, R. Coppola, D. Capitani, A. P. Sobolev, P. Tremonte, M. Succi, L. Mannina
"Effects of Ionizing Radiation and Modified Atmosphere Packaging on the Shelf Life of Aqua-cultured Sea Bass (Dicentrarchus labrax)"
World Journal of Microbiology and Biotechnology, Vol. 24, No. 12, pp. 2757-2765, 2008
DOI: 10.1007/s11274-008-9802-7

M. Barba, A. P. Sobolev, C.Romeo, M. E. Schininà, D. Pietraforte, L. Mannina, G. Musci, F. Polticelli
"Cupryphans, metal-binding, redox active, redesigned conpeptides"
DOI: 10.1039/b900735k

B. Botta, C. Fraschetti, F.R. Novara, A. Tafi, F. Sacco, L. Mannina, A.P. Sobolev, J. Mattay, M.C. Letzel, M. Speranza

"Interactions of Vinca Alkaloid Subunits with Chiral Amido[4]resorcinarenes: A Dynamic, Kinetic, and Spectroscopic Study"
Organic & Biomolecular Chemistry, Vol. 7, pp. 1798 - 1806, 2009
DOI: 10.1039/b900735k

D. Capitani, F. Brilli, L. Mannina, N. Proietti, F. Loreto
"In situ investigation of leaf water status by portable unilateral NMR"
Plant Physiology, Vol. 149, pp. 1638-1647, 2009
DOI: 10.1104/pp.108.128884

G. Testa, C. Di Meo, S. Nardecchia, D. Capitani, L. Mannina, R. Lamanna, A. Barbetta, M. Dentini
"Influence of Dialkyne Structure on the Properties of New Click-Gels Based on Hyaluronic Acid".
International Journal of Pharmaceutics, Vol. 378, No. 1-2, pp. 86-92, 2009
DOI: 10.1016/j.ijpharm.2009.05.051

E. Princi, S. Vicini, K. Castro, D. Capitani, N. Proietti, L. Mannina
"On the Micro-Phase Separation in Waterborne Polyurethans"
Macromolecular Chemistry and Physics, Vol. 210, No. 10, pp. 879-889, 2009
DOI: 10.1002/macp.200900013

F. Piccioni, D. Capitani, L. Zolla, L. Mannina
"NMR Metabolic Profiling of Maize with the CRY1A(b) Gene"
Journal of Agricultural and Food Chemistry, Vol 57, No. 14, pp. 6041-6049, 2009
DOI: 10.1021/jf900811u

L. Mannina, M. D'Imperio, D. Capitani, S. Rezzi, C. Guillou, T. Mavromoustakos, M.D. Molero Vilchez, A.H. Fernández, F. Thomas, R. Aparicio
"1H NMR-Based protocol for the detection of adulterations of refined olive oils with refined hazelnut oil"
Journal of Agricultural and Food Chemistry, Vol. 57, pp. 11550 -11556, 2009
DOI: 10.1021/jf902426b

P. De Leonardis, L. Mannina, M. Diociaiuti, G. Masci
"Atom Transfer Radical Polymerization synthesis and association properties of amphiphilic pullulan copolymers grafted with poly(methyl methacrylate)".
Polymer International, Vol. 59, 759-765, 2010
DOI: 10.1002/pi.2782

L. Mannina, F. Marini, M. Gobbino, A.P. Sobolev, D. Capitani
"NMR and chemometrics in tracing European olive oils: the case study of Ligurian samples"
Talanta, Vol. 80, pp. 2141-2148, 2010
DOI: 10.1016/j.talanta.2009.11.021

A.P. Sobolev, D. Capitani, D. Giannino, C. Nicolodi, G. Testone, F. Santoro, G. Frugis, M.A. Iannelli, A.K. Mattoo, E. Brosio, R. Gianferri, I. D'Amico, L. Mannina
"NMR-metabolic methodology in the study of GM foodstuff"
Nutrients, Vol. 2 pp.1-15, 2010
DOI: 10.3390/nu2010001

M.P. Donzello, E. Viola, X. Cai, L. Mannina, C. Ercolani, K. M. Kadish
"Tetra-2,3-pyrazinoporphyrazines with Externally Appended Pyridine Rings. 8.Central (ZnII, CuII, MgII(H2O), CdII) and Exocyclic (PdII) Metal Ion Binding in Heteropentametallic Complexes from Tetrakis-2,3-[5,6-di(2-pyridyl)pyrazino]porphyrazine"
Inorganic Chemistry, Vol. 49, 2447-2456, 2010
DOI: 10.1021/ic902317h

A.P. Sobolev, G.Testone, F. Santoro, C. Nicolodi, M. Iannelli, M.E. Amato, A.Iannello, E. Brosio, D. Giannino, L. Mannina
"Quality Traits of Conventional and Transgenic Lettuce (Lactuca sativa L.) at Harvesting by NMR Metabolic Profiling"
Journal of Agriculture and Food Chemistry, Vol.58, pp. 6928-6936, 2010
DOI: 10.1021/jf904439y

L. Oddo, G. Masci, C. Di Meo, D. Capitani, L. Mannina, R. Lamanna, S. De Santis, F. Alhaique, T. Coviello, P. Matricardi
"Novel thermosensitive calcium alginate microspheres: Physico-chemical characterization and delivery properties"
Acta Biomaterialia, Vol. 6, pp. 3657–3664, 2010
DOI: 10.1016/j.actbio.2010.03.013

D. Capitani, L. Mannina , N. Proietti , A.P. Sobolev , A. Tomassini, A. Miccheli , M.E. Di Cocco , G. Capuani, R. De Salvador, M. Delfini
"Monitoring of metabolic profiling and water status of Hayward kiwifruits by Nuclear Magnetic Resonance"
Talanta, Vol. 82, pp. 1826-1838, 2010
DOI:10.1016/j.talanta.2010.07.080

M. D'Imperio, M. Gobbino, A. Picanza, S. Costanzo, A. Della Corte, L. Mannina
"Influence of Harvest Method and Period on Olive Oil Composition: an NMR and Statistical Study"
Journal of Agricultural and Food Chemistry, Vol.58, pp.11043-11051, 2010
DOI:10.1021/jf1026982

M. P Donzello, D.Vittori, E.Viola, I.Manet, L.Mannina, L.Cellai, S. Monti, C.Ercolani
"Tetra-2,3-pyrazinoporphyrazines with Externally Appended Pyridine Rings. 9. Novel Heterobimetallic Macrocycles and Related Hydrosoluble Hexacations as Potentially Active Photo/Chemotherapeutic Anticancer Agents"
Inorganic Chemistry, Vol 50, pp. 7391-7402, 2011

M. P.Donzello, G. De Mori, E. Viola, C. Ercolani, E Bodo, L.Mannina, D.Capitani, C. Rizzoli, L.Gontrani, G. Aquilanti, K. Kadish, P. D'Angelo
"Structural Flexibility and Role of Vicinal 2-Thienyl Rings in 2,3-Dicyano-5,6-di(2-thienyl)-1,4-pyrazine, [(CN)2Th2Pyz], its Palladium(II) Complex [(CN)2Th2Pyz(PdCl2)2] and the Related Pentametallic Pyrazinoporphyrazines [(PdCl2)4Th8TPyzPzM] (M = MgII(H2O), ZnII)"
Inorganic Chemistry, Vol 50, pp. 12116-12125, 2011
DOI: 10.1021/ic201678p

M. P. Donzello, E.Viola, L.Mannina, M. Barteri, Z. Fu., C. Ercolani

"Tetra-2,3-pyrazinoporphyrazines with Externally Appended Pyridine Rings. 11. Photoactivity of a New Pt(II) Pentanuclear Macrocycle Bearing Four Cis-platin-like Funcionalities and Its Related Monometalated Species"
Journal of Porphyrins and Phthalocyanines, Vol. 15, pp. 984-994. 2011
DOI: 10.1142/S1088424611004014

R. Castoria, L. Mannina, R. Durán- Patrn, F. Maffei, Anatoly P. Sobolev, D. V. De Felice, C. Pinedo-Rivilla, Alberto Ritieni, R. Ferracane, Sandra A. I. Wright
"Conversion of the Mycotoxin Patulin to the Less Toxic Desoxypatulinic Acid by the Biocontrol Yeast Rhodosporidium kratochvilovae Strain LS11"
Journal of Agricultural and Food Chemistry, Vol. 59, pp. 11571-11578, 2011
DOI: dxdoi.org/10.1021/jf203098v
107. Luisa Mannina, Anatoly P. Sobolev
"High resolution NMR characterization of olive oils in terms of quality, authenticity and geographical origin"
Magnetic Resonance in Chemistry, Vol 49, pp. S3-S11, 2011
DOI: 10.1002/mrc.2856

Luisa Mannina, Marco D'Imperio, Marco Gobbino, Irene D'Amico, Antonio Casini, Maria Carmela Emanuele, Anatoly P. Sobolev
"Nuclear Magnetic Resonance study of flavoured olive oils"
Flavour and Fragrance Journal, Vol. 27, pp. 250-259, 2012
DOI: 10.1002/ffj.3094

Adriano Mollica, Francesco Pinnen, Azzurra Stefanucci, Federica Feliciani, Cristina Campestre, Luisa Mannina, Anatoly P. Sobolev, Gino Lucente, Peg Davis, Josephine Lai, Shou-Wu Ma, Frank Porreca,Victor J. Hruby
"The cis-4-Amino-L-proline Residue as a Scaffold for the Synthesis of Cyclic and Linear Endomorphin-2 Analogues"
Journal of Medicinal Chemistry, Vol. 55 (Issue 7), pp. 3027-3035, 2012

Adriano Mollica, Francesco Pinnen, Azzurra Stefanucci, Luisa Mannina, Anatoly P. Sobolev, Gino Lucente, Peg Davis, Josephine Lai, Shou-Wu Ma, Frank Porreca,Victor J. Hruby
"cis-4-Amino-L-proline Residue as a Scaffold for the Synthesis of Cyclic and Linear Endomorphin-2 Analogues: Part 2"
Journal of Medicinal Chemistry, Vol. 55, pp. 8477-8482, 2012
DOI.: 10.1021/jm300947s

Marco Barba, Anatoli P. Sobolev, Veranika Zobnina, Maria Carmela Bonaccorsi di Patti, Laura Cervoni, Maria Carolina Spiezia, M. Eugenia Schinina` , Donatella Pietraforte, Luisa Mannina, Giovanni Musci, Fabio Polticelli
"Cupricyclins, Novel Redox-Active Metallopeptides Based on Conotoxins Scaffold"
PLoS ONE Vol. 7, pp 1-11, Issue: 2, 2012
DOI: 10.1371/journal.pone.0030739

Luisa Mannina, Anatoly. P. Sobolev, Donatella Capitani
"Applications of NMR-metabolomics to the study of foodstuffs: truffle, kiwifruit, lettuce, and sea bass
Electrophoresis, Vol. 33, pp. 2290-2313, 2012
DOI: 10.1002/elps.201100668

Luisa Mannina, Anatoly P. Sobolev, Stéphane Viel
"Liquid state 1H high field NMR in food"
Progress in Nuclear Magnetic Resonance Spectroscopy, Vol.66, pp. 1-39, 2012
DOI:10.1016/j.pnmrs.2012.02.001

L. Mannina, A.P. Sobolev
"Practical Examples of Innovative NMR approaches to food analysis"
New Food, Vol 15, pp. 38-42, 2012
Russell Publishing Ltd

Alfredo Miccheli, Maria E. Di Cocco, Giorgio Capuani, Flavio Roberto De Salvador, Maurizio Delfini
"Metabolic profiling and outer pericarp water state in Zespri, CI.GI and Hayward kiwifruits"
Journal of Agricultural and Food Chemistry, Vol 61, pp. 1727-1740, 2013
DOI: 10.1021/jf3028864

Donatella Capitani, Anatoly P. Sobolev, Alberta Tomassini, Fabio Sciubba, Flavio Roberto De Salvador, Luisa Mannina, Maurizio Delfini
"Peach Fruit: a metabolic comparative analysis of two varieties with different resistance to insect attacks by NMR spectroscopy
Journal of Agricultural and Food Chemistry, Vol 61, pp. 1718-1726, 2013
DOI: 10.1021/jf303248z

Giuseppe Ianiri, Alexander Idnurm, Sandra Wright, Rosa Durán-Patrón, Luisa Mannina, Rosalia Ferracane, Alberto Ritieni, and Raffaello Castoria
"Searching for genes responsible for patulin degradation in a biocontrol yeast provides insights into the basis for resistance to this mycotoxin"
Applied and Environmental Microbiology, Serie, 9, Vol. 79, pp. 3101-3115, 2013
DOI:10.1128/AEM.03851-12

Donatella Capitani, Noemi Proietti, Anatoly P. Sobolev, Riccarda Antiochia, Murizio Delfini, Fabio Sciubba, Alfredo Miccheli, Flavio Roberto De Salvador, Luisa Mannina,
"Nuclear magnetic resonance based approach to fruit characterization: the case studied of kiwifruits and peaches
Spectroscopy Europe, Vol 25, No 2, pp 6-13, 2013

Francesca Ghirga, Ilaria D'Acquarica, Giuliano Delle Monache, Luisa Mannina,
Carmela Molinaro, Laura Nevola, Anatoly P. Sobolev, Marco Pierini, and Bruno Botta
"Reaction of Nitrosonium Cation with Resorc[4]arenes Activated
by Supramolecular Control: Covalent Bond Formation"
Journal of Organic Chemistry, Vol. 78, pp. 6935−6946, 2013
DOI: 10.1021/jo400489m

Francesca Ghirga, Ilaria D'Acquarica,Giuliano Delle Monache,a Sara Toscano,
Luisa Mannina, Anatoly P. Sobolev, Franco Ugozzoli,Domenico Crocco,
Riccarda Antiochiaa and Bruno Botta
"Undecenyl resorc[4]arene in the chair conformation as preorganized synthon for olefin metathesis"
RSC Advances, Vol. 3, pp. 17567–17576, 2013
DOI: 10.1039/c3ra42943a

Cerreto Antonella, Corrente Federica, Botta Bruno, Pacelli Settimio, Paolicelli Patrizia, Mannina Luisa, Casadei Maria Antonietta
"NMR Characterization of Carboxymethyl Scleroglucan"
International Journal of Polymer Analysis and Characterization, Vol. 18, pp. 587-595, 2013
DOI: 10.1080/1023666X.2013.842286

M. C Messia, A P Sobolev, A M Gómez-Caravaca, R Lamanna, I. D'Amico, M F Caboni, E Marconi, L Mannina
"HR-MAS NMR metabolic profiling, furosine, and (E) –hydroxy-2-decenoic acid for qualitative and geographical discrimination of royal jelly"
Journal of Apicultural Research, Vol. 52, No 3, pp 141-148, 2013
DOI 10.3896/IBRA.1.52.3.05

Riccarda Antiochia, Federico Tasca, Luisa Mannina
"Osmium-Polymer Modified Carbon Nanotube Paste Electrode for Detection of Sucrose and Fructose"
Materials Sciences and Applications, Vol. 4, pp. 15-22, 2013
DOI:10.4236/msa.2013.47A2003

Anna Marchese, Erika Coppo, Anatoly P. Sobolev, Daniela Rossi, Luisa Mannina, Maria Daglia
"Influence of in vitro Simulated Gastroduodenal Digestion on the Antibacterial Activity, Metabolic Profiling and Polyphenols Content of Green Tea (Camellia sinensis)."
Food Research International. Vol. 63, pp. 182–191, 2014
DOI:10.1016/j.foodres.2014.01.036

F. Sciubba, Di Cocco, Gianferri, Impellizzeri, Mannina, De Salvador, Venditti, Delfini,
"Metabolic profile of different Italian cultivars of hazelnut (Corylus avellana) by Nuclear Magnetic Resonance spectroscopy"
Natural Product Research, Vol. 28, Issue 14, pp. 1075-1081, 2014

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"Synthesis of a double-spanned resorc[4]arene via ring-closing metathesis and calculation of aggregation propensity"
Journal of Organic Chemistry Vol. 79, Issue 22, 21 Pages 11051-11060, November 2014,
DOI: 10.1021/jo502056v

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"Identification of the stereochemical requirements in the 4-aryl-2-cycloalkylidenhydrazinylthiazole scaffold for the design of selective human monoamine oxidase B inhibitors"
Bioorganic and Medicinal Chemistry, Vol. 22, Issue 10, pp. 2887-2895, 15 May 2014,
DOI: 10.1016/j.bmc.2014.03.042

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"Untargeted and targeted methodologies in the study of tea (Camellia sinensis L.)"
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"Role of the solvent on the stability of cycloserine under ESI-MS conditions"
Journal of Mass Spectrometry, Vol. 49, Issue 7, July 2014, Pages 608-612
DOI: 10.1002/jms.3380

R.Antiochia, T. Gatta, E. Mazzone, L. Mannina, L. Campanella
"A comparison among three different analytical methods to test the scavenging properties of different integrators against radicalic stress"
Pakistan Journal of Pharmaceutical Sciences, Vol. 27,(1), 27-32, 2014

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"New insights into the biological properties of Crocus sativus L.: Chemical modifications, human monoamine oxidases inhibition and molecular modeling studies"
European Journal of Medicinal Chemistry, Vol. 82, pp 164-171, 2014
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"Experimental and DFT/time-dependent DFT studies on neutral and one-electron-reduced quinoxaline and pyrazine precursors and their mononuclear (PdII, PtII) derivatives"
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"Quality of Commercial Flavoured Oils and Seed Oils Using a Widespread Analytical Protocol"
Journal of Food Research, Vol. 3 (4), pp.78-92, 2014
DOI:10.5539/jfr.v3n4p78.

Anatoly P. Sobolev, Simone Carradori, Donatella Capitani, Silvia Vista Agata Trella, Federico Marini, and Luisa Mannina
"Saffron Samples of Different Origin: An NMR Study of Microwave-Assisted Extracts"
Foods Vol. 3, pp. 403-419, 2014;
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Daniela Gorietti, Elena Zanni, Claudio Palleschi, Maurizio Delfini, Daniela Uccelletti, Michele Saliola, Caterina Puccetti, Anatoli Sobolev, Luisa Mannina, Alfredo Miccheli,
"13C-NMR based profiling unveils different a-Ketoglutarate pools involved into glutamate and lysine synthesis in the milk yeast Kluyveromyces lactis"
Biochimica et Biophysica Acta-General Subjects Vol. 1850 pp. 2222–2227, 2015
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Franco Mazzei, Gabriele Favero, Paolo Bollella, Cristina Tortolini, Luisa Mannina, Marcelo Enrique Conti, Riccarda Antiochia
"Recent trends in electrochemical nanobiosensors for environmental analysis"

International Journal of Environment and Health. Vol. 7, No.3 pp. 267 – 291, 2015
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