

**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
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**Occupational Field : Food Chemistry CHIM10****Academic Position****➤➤ Associated Professor of Food Chemistry**

01.29.2014 / 29.01.2020. She has been qualified as full professor in sector Pharmaceuticals, Toxicology and Nutraceutical-Food Chemistry and Technology.

Work Experience

2009-present. Associated professor of Food Chemistry at Sapienza, University of Rome, Department of Drug Chemistry and Pharmaceutical Technologies.

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

She has been elected President of the Course in Applied Pharmaceutical Sciences (2012-2015, 2015-2018).

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

She has been elected as Director of the 2nd level Master in Nutraceuticals and Cosmeceuticals of vegetable products (13-05-2015)

She has been part of the VQR 2011-2014 (2015) Expert Evaluation Group (GEV)

Education

1985-1992 Graduated in Chemistry from Faculty of Science, University "La Sapienza" of Rome.

Fellowships:

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 Chimica "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

28-12-2009. Professore Universitario di II fascia confermato, settore scientifico disciplinare CHIM10, Chimica degli Alimenti, presso la Facoltà di Farmacia, Dipartimento di Chimica e Tecnologie del Farmaco, Sapienza Università di Roma.

Teaching

- Food Chemistry lessons for the Degree Course in Drug Chemistry and Technology (8 credits, 64 hours)
- Food Chemistry and Dietetic Products lessons for Degree Course in Pharmacy (8 Credits, 64 Hours in Lending)
- Dietetic Products and FOOD supplements 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 she taught graduate courses in General Chemistry at University of Molise.

Scientific Activity

The scientific activity of Prof. Luisa Mannina is focused on the study of food matrices performed 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.

She was invited for plenary lectures regarding the application of NMR in Food Chemistry. Her h-index is 38 (Scopus).

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 is board member of GIDRM (Italian Magnetic Resonance Group). She is member of Scientific and Technical Committee of the NMR Retelab involving

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.

Publications (from 2012)

Luisa Mannina, Marco D'Imperio, Marco Gobino, 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

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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

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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

Donatella Capitani, **Luisa Mannina**, Noemi Proietti, Anatoly P. Sobolev, Alberta Tomassini, 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, 2013DOI: 10.1021/jf3028864

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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*, Vol. 79, pp. 3101-3115, 2013DOI:10.1128/AEM.03851-12

Donatella Capitani, Noemi Proietti, Anatoly P. Sobolev, Riccarda Antiochia, Murizio Delfini, Fabio Sciubba, Alfredo Micheli, 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, Iliaria 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”, *The Journal of Organic Chemistry*, Vol. 78, pp. 6935–6946, 2013DOI: 10.1021/jo400489m

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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, 2013DOI: 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

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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

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