



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s)	Daniela Secci
Address(es)	Department of Chemistry and Pharmaceutical Technologies, P.le Aldo Moro 5 – 00185 Rome Telephone(s) +39 6 49913149
Telephone(s)	+39 6 49913149 -
Fax(es)	
E-mail	daniela.secci@uniroma1.it
Nationality	Italian
Date of birth	
Gender	Female
Occupational field	Pharmaceutical Chemistry CHIM08
Work experience	
Dates	From 2005 up to today : Associate Professor of Pharmaceutical and Toxicology Chemistry - 1990-2004: Researcher of Pharmaceutical Chemistry - 1984-1990 Laboratory Technician
Occupation or position held	Associate Professor of Pharmaceutical and Toxicological Chemistry (Analysis III) and Pharmaceutical Biotechnologies at Pharmacy and Medicine Faculty of Sapienza University of Rome.

Main activities and responsibilities Referent for the Pharmaceutical Department of Pharmacy and Medicine Faculty of "Soul- Sistema Orientamento Università Lavoro" (Placement).
Educational Activity:
 University of Cagliari:
 - 1990-91, 1991-92, 1992-93 e 1993-94 Practical lessons of "Esercitazioni di Chimica Farmaceutica e Tossicologica 1°" and of "Analisi dei Medicinali I" -
 - 1994-95 e 1995-96 in charge of "Analisi dei Farmaci I".
 - 1990 al 1996 tutor in the course of "Preparazione Estrattiva e Sintetica dei Farmaci" – University of Rome "La Sapienza"
 - 2001 - 2004, practical lessons of "Analisi dei Medicinali"
 - 2002-2003 e 2003-2004 in charge of "Analisi Chimico Farmaceutica e Tossicologica"
 - 2004-2005 in charge of "Analisi Chimico Farmaceutica e Tossicologica I"
 - 2005-2015 associate professor of "Analisi Chimico Farmaceutica e Tossicologica I"
 - 2015 up to today associate professor of "Analisi Chimico Farmaceutica e Tossicologica III"
 - 2019 associate professor of Biotecnologie Farmaceutiche

The research activity is conducted in the Department of Drug Chemistry and Technology of the University of Rome "La Sapienza" in collaboration with Other European Departments. She collaborate with the Drug Department of "Istituto Superiore di Sanità" on the stereoselective HPLC separation of chiral compounds with biological activity and with the Experimental Chemotherapy Laboratory of Regina Elena Institute.
 The main fields of interest are related to the synthesis of compounds with inhibitory activity on human monoaminooxidases (MAO-A and MAO-B) and with inhibitory activity on histone acetyltransferases (HATs), and study of the structure-activity relationships.
 Another field of interest is the synthesis of new compounds with anti-Helicobacter pylori and anti-candida activities.
 She is co-authors in more than 100 publications on refereed International Journals.

Name and address of employer Daniela Secci, Department of Chemistry and Pharmaceutical Technologies, P.le Aldo Moro 5 – 00185 Rome

Sector Pharmaceutical Chemistry (SSD CHIM/08)

Education and training

Dates 2005 – up to today: Associate Professor in Pharmaceutical Chemistry
 1990 – 2004 – Researcher in Pharmaceutical Chemistry
 1990 – 1994 – Research training at the Organic and Industrial Chemistry of Milan University
 1986 – Degree in Chemistry and Pharmaceutical Technologies
 1984 – Degree in Pharmacy

Title of qualification awarded Associate Professor

Name and type of organisation providing education and training University of Cagliari
 University of Milan
 University of Rome

Personal skills and competences

Mother tongue(s) Italian

Other language(s) English and French

Self-assessment
 European level (*)

English

French

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Intermediate	B2	Intermediate	B2	Intermediate	B2	Intermediate	B2	Intermediate
A2	Basic	A2	Basic	A2	Basic	A2	Basic	A2	Basic

(*) [Common European Framework of Reference for Languages](http://www.cedefop.europa.eu)

Additional information

Receiving Appointment made by e-mail

Annexes Scientific Publication List below

Works

Patent LAVAGNA SILVIO MASSIMO, SECCI DANIELA, PADELLA FRANCO. METODO PER LA PREPARAZIONE DI RIFAXIMINA IN STATO AMORFO RM2010A000157

LAVAGNA SILVIO MASSIMO, SECCI DANIELA, PADELLA FRANCO. Nuovo metodo per la preparazione di antibiotici in stato amorfo e prodotti utilizzando detto metodo. RM2009A000686

LAVAGNA SILVIO MASSIMO, SECCI DANIELA, PADELLA FRANCO. FULL AMORPHOUS RIFAXIMIN AND METHODS FOR ITS PREPARATION EP2401282

Silvio Massimo Lavagna, Daniela Secci, Franco Padella . METHOD FOR THE PRODUCTION OF AMORPHOUS RIFAXIMIN US 8,952,159B2

Scientific Publications

- Secci, D., Carradori, S., Petzer, A., Guglielmi, P., D'Ascenzio, M., Chimenti, P., Bagetta, D., Alcaro, S., Zengin, G., Petzer, J.P., Ortuso, F. 4-(3-Nitrophenyl)thiazol-2-ylhydrazone derivatives as antioxidants and selective hMAO-B inhibitors: synthesis, biological activity and computational analysis. (2019) *Journal of enzyme inhibition and medicinal chemistry* 34(1), pp. 597-612
- Guglielmi, P., Carradori, S., Poli, G., Secci, D., Cirilli, R., Rotondi, G., Chimenti, P., Petzer, A., Petzer, J.P. Design, synthesis, docking studies and monoamine oxidase inhibition of a small library of 1-acetyl- and 1-thiocarbamoyl-3,5-diphenyl-4,5-dihydro-(1h)-pyrazoles (2019) *Molecules*, 484
- Carradori, S., Secci, D., Petzer, J.P.. MAO inhibitors and their wider applications: a patent review, (2018), *Expert Opinion on Therapeutic Patents*, 28, 3, pp 211-226
- Boutaoui, N., Zaiter, L., Benayache, F., Benayache, S., Cacciagrano, F., Cesa, S., Secci, D., Carradori, S., Giusti, A.M., Campestre, C., Menghini, L., Locatelli, M. *Atriplex mollis* Desf. aerial parts: Extraction procedures, secondary metabolites and color analysis, (2018), *Molecules*, 23, 8, 1962,
- Bellusci, M., Guglielmi, P., Masi, A., Padella, F., Singh, G., Yaacoub, N., Peddis, D., Secci, D.. Magnetic Metal-Organic Framework Composite by Fast and Facile Mechanochemical Process, (2018), *Inorganic Chemistry*, 57, 4, pp. 1806-1814.
- Mocan, A., Carradori, S., Locatelli, M., Secci, D., Cesa, S., Mollica, A., Riga, S., Angeli, A., Supuran, C.T., Celia, C., Di Marzio, L., Bioactive isoflavones from *Pueraria lobata* root and starch: Different extraction techniques and carbonic anhydrase inhibition, (2018), *Food and Chemical Toxicology*, 112, pp.441-447.
- Carradori, S., Secci, D., Faggi, C., Cirilli, R., A chromatographic study on the exceptional chiral recognition of 2-(benzylsulfinyl)benzamide by an immobilized-type chiral stationary phase based on cellulose tris(3,5-dichlorophenylcarbamate), (2018), *Journal of Chromatography A*, 1531, pp.151-156.
- Carradori, S., Ortuso, F., Petzer, A., Bagetta, D., De Monte, C., Secci, D., De Vita, D., Guglielmi, P., Zengin, G., Aktumsek, A., Alcaro, S., Petzer, J.P., Design, synthesis and biochemical evaluation of novel multi-target inhibitors as potential anti-Parkinson agents, (2018), *European Journal of Medicinal Chemistry*, 143, pp. 1543-1552.
- D'Ascenzio, M., Guglielmi, P., Carradori, S., Secci, D., Florio, R., Mollica, A., Ceruso, M., Akdemir, A., Sobolev, A.P., Supuran, C.T. Open saccharin-based secondary sulfonamides as potent and selective inhibitors of cancer-related carbonic anhydrase IX and XII isoforms (2017) *Journal of enzyme inhibition and medicinal chemistry*, 32 (1), pp. 51-59.
- Nescatelli, R., Carradori, S., Marini, F., Caponigro, V., Bucci, R., De Monte, C., Mollica, A., Mannina, L., Ceruso, M., Supuran, C.T., Secci, D. Geographical characterization by MAE-HPLC and NIR methodologies and carbonic anhydrase inhibition of Saffron components (2017) *Food Chemistry*, 221, pp. 855-863.
- Carradori, S., Bizzarri, B., D'Ascenzio, M., De Monte, C., Grande, R., Rivanera, D., Zicari, A., Mari, E., Sabatino, M., Patsilnakos, A., Ragno, R., Secci, D. Synthesis, biological evaluation and quantitative structure-active relationships of 1,3-thiazolidin-4-one derivatives. A promising chemical scaffold endowed with high antifungal potency and low cytotoxicity(2017) *European Journal of Medicinal Chemistry*, 140, pp. 274-292.
- Ferrante, C., Recinella, L., Locatelli, M., Guglielmi, P., Secci, D., Leporini, L., Chiavaroli, A., Leone, S., Martinotti, S., Brunetti, L., Vacca, M., Menghini, L., Orlando, G. Protective Effects Induced by Microwave-Assisted Aqueous Harpagophytum Extract on Rat Cortex Synaptosomes Challenged with Amyloid β -Peptide(2017) *Phytotherapy Research*, 31 (8), pp. 1257-1264
- Locatelli, M., Ferrante, C., Carradori, S., Secci, D., Leporini, L., Chiavaroli, A., Leone, S., Recinella, L., Orlando, G., Martinotti, S., Brunetti, L., Vacca, M., Menghini, L. Optimization of Aqueous Extraction and Biological Activity of Harpagophytum procumbens Root on Ex Vivo Rat Colon Inflammatory Model(2017) *Phytotherapy Research*, 31 (6), pp. 937-944.

- Pierini, M., Carradori, S., Menta, S., Secci, D., Cirilli, R. 3-(Phenyl-4-oxy)-5-phenyl-4,5-dihydro-(1H)-pyrazole: A fascinating molecular framework to study the enantioseparation ability of the amylose (3,5-dimethyl phenylcarbamate) chiral stationary phase. Part II. Solvophobic effects in enantiorecognition process(2017) *Journal of Chromatography A*, 1499, pp. 140-148.
- Carradori, S., Secci, D., Bizzarri, B., Chimenti, P., De Monte, C., Guglielmi, P., Campestre, C., Rivanera, D., Bordón, C., Jones-Brando, L. Synthesis and biological evaluation of anti-Toxoplasma gondii activity of a novel scaffold of thiazolidinone derivatives(2017) *Journal of Enzyme Inhibition and Medicinal Chemistry*, 32 (1), pp. 746-758.
- Rinaldi, F., Hanieh, P.N., Longhi, C., Carradori, S., Secci, D., Zengin, G., Ammendolia, M.G., Mattia, E., Del Favero, E., Marianecchi, C., Carafa, M. Neem oil nanoemulsions: characterisation and antioxidant activity(2017) *Journal of Enzyme Inhibition and Medicinal Chemistry*, 32 (1), pp. 1265-1273.
- Mocan, A., Carradori, S., Locatelli, M., Secci, D., Cesa, S., Mollica, A., Riga, S., Angeli, A., Supuran, C.T., Celia, C., Di Marzio, L. Bioactive isoflavones from Pueraria lobata root and starch: Different extraction techniques and carbonic anhydrase inhibition(2017) *Food and Chemical Toxicology*, . Article in Press. M
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- D'Ascenzio, M., Guglielmi, P., Carradori, S., Secci, D., Florio, R., Mollica, A., Ceruso, M., Akdemir, A., Sobolev, A.P., Supuran, C.T. Open saccharin-based secondary sulfonamides as potent and selective inhibitors of cancer-related carbonic anhydrase IX and XII isoforms (2016) *Journal of Enzyme Inhibition and Medicinal Chemistry*, pp. 1-9.
- Carradori, S., Pierini, M., Menta, S., Secci, D., Fioravanti, R., Cirilli, R. 3-(Phenyl-4-oxy)-5-phenyl-4,5-dihydro-(1H)-pyrazole: A fascinating molecular framework to study the enantioseparation ability of the amylose (3,5-dimethylphenylcarbamate) chiral stationary phase. Part I. Structure-enantioselectivity relationships (2016) *Journal of Chromatography A*, 1467, pp. 221-227.
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Derivatives: Effects on Stereochemistry and Spiro-Junction Lability. Thermodynamic Aspects (2015) *Journal of Organic Chemistry*, 80 (24), pp. 11932-11940.

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Evaluation of a large library of (thiazol-2-yl)hydrazones and analogues as histone acetyltransferase inhibitors: Enzyme and cellular studies (2014) *European Journal of Medicinal Chemistry*, 80, pp. 569-578.
- D'Ascenzio, M., Carradori, S., Secci, D., Mannina, L., Sobolev, A.P., De Monte, C., Cirilli, R., Yáñez, M., Alcaro, S., Ortuso, F.
Identification of the stereochemical requirements in the 4-aryl-2-cycloalkylidenhydrazinylthiazole scaffold for the design of selective human monoamine oxidase B inhibitors (2014) *Bioorganic and Medicinal Chemistry*, 22 (10), pp. 2887-2895.
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Design, synthesis and evaluation of N-substituted saccharin derivatives as selective inhibitors of tumor-associated carbonic anhydrase XII (2014) *Bioorganic and Medicinal Chemistry*, 22 (6), pp. 1821-1831.
- Secci, D., Carradori, S., Bizzarri, B., Bolasco, A., Ballario, P., Patramani, Z., Fracapane, P., Vernarecci, S., Canzonetta, C., Filetici, P.
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