

CV of Prof. Simone Carradori

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Prof. Simone Carradori graduated with honors in 2003 in “Drug Chemistry and Technology”, in 2009 with honors in Pharmacy, and then with honors in “Applied Pharmaceutical Sciences” in 2016. In 2007 he completed his PhD in “Pharmaceutical Sciences”. In 2007 he received with honors the II level Master in "Natural Organic Substances". Since 2006 he has held national research grants in the Scientific Sector CHIM/08 (03/D1) (Medicinal Chemistry).

Teaching experience

2017: "Medicinal Chemistry and Pharmacology", for the II level Master in "Clinical Trials" at the University of Rome "La Sapienza" (Italy).

2016-2017: “Molecular and Medicinal chemistry approach of the pharmacological activities of vegetal bioactive compounds” (1 ECTS) for the II level Master in "Nutraceuticals and Cosmeceuticals with natural products" at the University of Rome "La Sapienza".

2014-2015: “Pharmaceutical Analysis” (10 ECTS) for the Degree in “Chemistry and Pharmaceutical Technology” at “G. d’Annunzio” University of Chieti-Pescara.

2015-2018: “Drug analysis II” (14 ECTS) for the Degree in “Pharmacy” at “G. d’Annunzio” University of Chieti-Pescara.

2018-2026: “Medicinal and Toxicological Chemistry II” (12 ECTS) for the Degree in “Pharmacy” at “G. d’Annunzio” University of Chieti-Pescara.

2021-2026: “Environmental Toxicological Chemical Analysis” (4 ECTS) for the 1st Cycle Degree in “Sustainable Technologies and Environmental Toxicology”.

2021-2026: “Nutraceuticals and Functional Foods” (2 ECTS) for the Degree in “Pharmacy” at “G. d’Annunzio” University of Chieti-Pescara.

2025, 2026: “Functional foods and nutraceuticals” (1 ECTS) for the II level Master in “Clinical and Functional Nutrition” at “G. d’Annunzio” University of Chieti-Pescara (Italy).

2026: “Plant-based ingredients for health and wellness in veterinary care” (2 ECTS) for the II level Master in “PhytoPharmacy and Nutraceuticals” at “Magna Graecia” University of Catanzaro (Italy).

2019-2020: Course of Medicinal Chemistry III (3 ECTS) to the Department of Pharmacy, Aldent University (Tirana, Albania).

20/02/2020-20/02/2022: “Visiting Professor” at “Faculty of Pharmacy of Bezmialem Vakif University” (Istanbul, Turkey).

13 May 2021-29 June 2021: According to the Bilateral Agreement of 17th February 2021 with the Faculty of Pharmacy of the Universidade Federal Fluminense (Niterói, RJ – Brasil), Coordinator – PPG-CAPS Prof. Selma Ribeiro de Paiva. Formal didactic activity (1 ECTS, 8 hours) “Natural compounds as innovative lead molecules in drug discovery” in the course “Special Topics in Health Products: new trends in pharmacology and chemistry of natural products”.

31 March 2022-31 May 2022: According to the Bilateral Agreement of 17th February 2021 with the Faculty of Pharmacy of the Universidade Federal Fluminense (Niterói, RJ – Brasil), Coordinator – PPG-CAPS Prof. Selma Ribeiro de Paiva. Formal didactic activity (1 ECTS, 8 hours) “Natural compounds as innovative lead molecules in drug discovery” in the course “Special Topics in Health Products: new trends in pharmacology and chemistry of natural products”.

19 February 2022-26 March 2022: According to the Bilateral Agreement of 31st January 2022 with the Universidad Nacional de Trujillo (Perù), Prof. Mayar Luis Gamosa Yapanqui. Formal didactic activity (0.5 ECTS, 4 hours) “Natural compounds as innovative lead molecules in drug discovery”.

19 February 2023-26 March 2023: According to the Bilateral Agreement of 31st January 2022 with the Universidad Nacional de Trujillo (Perù), Prof. Mayar Luis Ganosa Yapanqui. Formal didactic activity (1 ECTS, 8 hours) “Natural compounds as innovative lead molecules in drug discovery”.

30 March 2023-26 June 2023: According to the Bilateral Agreement of 17th February 2021 with the Faculty of Pharmacy of the Universidade Federal Fluminense (Niterói, RJ – Brasil), Coordinator – PPG-CAPS Prof. Selma Ribeiro de Paiva. Formal didactic activity (1 ECTS, 6 hours) “Natural compounds as innovative lead molecules in drug discovery” in the course “Special Topics in Health Products: new trends in pharmacology and chemistry of natural products”.

21th March-27th June 2024: According to the Bilateral Agreement of 17th February 2021 with the Faculty of Pharmacy of the Universidade Federal Fluminense (Niterói, RJ – Brasil), Coordinator – Prof. Leandro Rocha. Formal didactic activity (1 ECTS, 6 hours) “Natural compounds as innovative lead molecules in drug discovery” in the course “Special Topics in Health Products: new trends in pharmacology and chemistry of natural products”.

27th March-3rd July 2025: According to the Bilateral Agreement of 17th February 2021 with the Faculty of Pharmacy of the Universidade Federal Fluminense (Niterói, RJ – Brasil), Coordinator – Prof. Leandro Rocha. Formal didactic activity (1 ECTS, 6 hours) “Natural compounds as innovative lead molecules in drug discovery” in the course “Special Topics in Health Products: new trends in pharmacology and chemistry of natural products”.

a.a. 2023-2024: Lessons for the “Pharmaceutical Chemistry I” course (6 ECTS, 15 hours) at the Faculty of Pharmacy (Istinye University, Istanbul, Turkey).

“Visiting Scientist” at the Department of Biology, Selcuk University, Konya (Turkey) from 23 October 2017 to 5 November 2017.

2017-2020, 2018-2021, 2019-2022, 2020-2023, 2021-2024, 2022-2025, 2023-2026, 2024-2027, 2025-2028: Member of the PhD committee in "Biomolecular and Pharmaceutical Sciences" at “G. d’Annunzio” University of Chieti-Pescara, Italy.

1/11/2022-30/10/2025: PhD supervisor of Dr. Francesco Melfi (XXXVIII cycle).

1/11/2023-30/10/2026: PhD co-supervisor of Dr. Noemi Mencarelli (XXXIX cycle, DM 117 PNRR) in collaboration with the company IDI srl (Italy).

1/11/2025-30/10/2028: PhD supervisor of Dr. Damiano Iacovozzi (XVI cycle, DM 226/2021 PNRR) in collaboration with the Comune di Castiglione Messer Marino (Italy).

1/11/2025-30/10/2028: PhD co-supervisor of Dr. Giorgia Blandamura (XVI cycle, industrial PhD) in collaboration with Masseria Fruttirossi company (Italy).

1/11/2025-30/10/2028: PhD co-supervisor of Dr. Rachele Parietti (XVI cycle, industrial PhD) in collaboration with FlashPoint s.r.l. company (Italy).

1/11/2025-30/10/2028: PhD supervisor of Dr. Veronica Mancini (XVI cycle, industrial PhD) in collaboration with Farmila-Thea Farmaceutici company (Italy).

Scientific and organizing committees

Member of the Scientific Committee of the 3rd Satellite Meeting on “New trends on Carbonic Anhydrases”, Montecatini Terme (PT, Italy), 22-24 May 2017.

Member of the Scientific Committee for the “European Urological Symposium”, 21 April 2018, Krakow (Poland).

Member of the Scientific Committee of the 11th International Conference on Carbonic Anhydrases, Bucharest (Romania), 27-30 June 2018.

Member of the Scientific Committee of the 4th Satellite Meeting on “New trends on Carbonic Anhydrases”, Parma (Italy), 14-17 November 2019.

Member of the Organizing Committee of the “Global Chemistry Conference” 7-8 June 2021, Singapore City, Singapore.

Member of the Organizing Committee of the “Advancing pharmacy through education in Bosnia and Herzegovina” symposium 8-10 July 2021, Sarajevo, Bosnia-Erzegovina.

Member of the Scientific Committee of the International Conference of Medical Sciences (ICMS) 2021, 25-26 June 2021, Tirana (Albania).

Member of the Scientific Committee of the “10th Drug Chemistry Congress”, 10-13 March 2022, Antalya (Turkey).

Member of the Scientific Committee of the CATCHEM 2022/Chemistry Frontiers 2022 3rd edition 20-21 June 2022 Berlin, Germany.

Member of the Organizing Committee of the “International conference on plant biodiversity and sustainability”, 1st Edition, 13-14 October 2022 (on-line, <https://sites.google.com/view/iscpbs/home>).

Member of the Organizing Committee of the “International conference on plant biodiversity and sustainability”, 2nd Edition, 23-24 May 2023 (on-line, <https://sites.google.com/view/2023-iscpbs/home>).

Member of the Scientific Committee of the 2nd International Meet on Medicinal Chemistry, Drug Discovery & Drug Delivery, MEDCHEMMEET2023, 8-10 June 2023, Paris, France.

Member of the Scientific Secretariat of the XXVIII National Meeting on Medicinal Chemistry (NMMC28) and NPCF15, 17-20 September 2023, Chieti, Italy.

Member of the Organizing Committee of the “International conference on plant biodiversity and sustainability” 3rd Edition, 21-22 May 2024 (on-line, 2024 - ISCPB&S ([google.com](https://sites.google.com/view/2024-iscpbs/home))).

Member of International Scientific and Advisory Board of 5th International Congress of Chemists and Chemical Engineers of Bosnia and Herzegovina (ICCCEB&H), 27-30 June 2024, Sarajevo, Bosnia and Herzegovina.

Co-Chair and member of the Scientific Committee of the 1st Joint Webinar ACAMC & LDDD “New Advances in Medicinal Chemistry: bioactive compounds and exploitable targets”. 20 June 2023.

Co-Chair and member of the Scientific Committee of the 2nd Joint Webinar ACAMC & LDDD “New Advances in Medicinal Chemistry: bioactive compounds and exploitable targets”. 21 June 2024.

Member of the Scientific Committee of the the 2nd International Electronic Conference on Antioxidants, April 7–9, 2025 (The 2nd International Electronic Conference on Antioxidants (sciforum.net)).

Co-Chair and member of the Scientific Committee of the 3rd Webinar ACAMC “New Advances in Medicinal Chemistry: bioactive compounds and exploitable targets”. 20 June 2025.

Advisory Board Member of “The International Medicine and Biosciences Conference 2025”, 6-8 November, Dubai, UAE (22nd in the Series of Eureka Science Translational Medicine Conferences, <https://timbc.net/advisory-board.php>).

Member of the Organizing Committee of the “International conference on plant biodiversity and sustainability”, 4th Edition, 19 and 21 May 2025 (on-line, <https://sites.google.com/view/2025-iscpbs/home>).

Member of the Scientific Committee of the “III. International Apicultural Research And Sustainable Regional Development Strategy Congress”, 8-10 October 2025, Bingöl, Türkiye.

Member of the Scientific Committee of the 7th International Symposium on Pharmaceutical Chemistry, June 11–14 2026, Ankara, Türkiye.

Member of the Scientific Committee of the 8th National and 1st International Pharmaceutical Chemistry Congress, October 29-31 2026, Kayseri, Türkiye.

Fundings and collaborations with industries

Individual annual funding for academic research activities “FFABR 2017” by MIUR. ANVUR Public notice n. 20/2017, 15-06-2017: Amount 3.000 euros (FFABR2017).

Since 02/10/2017, he has been designed as Scientific Coordinator for the project entitled “Design, synthesis, chemical-physical characterization, and stability studies in biological fluids of new small

molecules as PD-L1 inhibitors for cancer immunotherapy” by Cryolebanon & Medical Devices (Lebanon).

13/11/2017, he has been designed as Scientific Coordinator for the project entitled “Evaluation of the cicatrizing properties of the components of Peonil cream gel” by IDI Integratori Dietetici Italiani Srl (Italy).

On 23/07/2020, he has signed the research agreement with BASF SE (Germany) for the discovery of new fungicidal, herbicidal and insecticidal agents to be evaluated *in vitro*, *in silico* and *in vivo*.

19/03/2024: Donation for research activities (co-project leader) by the company Masseria Fruttirossi S.r.L. (Castellaneta, TA, Italy) for the project “Chemical and biological evaluation of the impact of technological processes on the nutraceutical profile of pomegranate juice” (funding: 5000 euros).

8/11/2024: Member for research activities aimed at the chemical characterization and cosmetic development of snail slime within the framework of the Scientific Collaboration Agreement with Lumacheria Italiana S.r.l, Cherasco (Italy) (duration: 18 months).

Local Coordinator of the international project "Innovating quality assessment tools for pharmacy studies in Bosnia and Herzegovina" (IQ Pharma; Application Reference number: 618089-EPP-1-2020-1-BA-EPPKA2-CBHE-JP), granted by European Union for 797.542,00 euros, of which 44.930 euros to "G. d'Annunzio" University, "Erasmus+ Capacity Building in Higher Education Call EAC/A02/2019 - Selection Year 2020" (36 months).

From 01/10/2022 to 31/12/2025, he was designated as Co-Project Leader within a research agreement with the company BioGaia SpA (Sweden) for a project entitled “Microbiology and Medicinal Chemistry of new probiotics and postbiotics for future applications in the clinical field” (funding: 230.000 euros).

From 04/06/2020 to 03/06/2022, he was designated as Co-Project Leader within a research agreement with the company BioGaia SpA (Sweden) for a two-year project entitled "Impact of components produced by probiotics on pathogens and their applications on human health"(funding: 140.000 euros).

Co-Tutor of a 12-month research grant (SSD CHIM/08 and MED/07) entitled "Impact of components produced by probiotics on pathogens and their applications on human health" authorized by the Department of Pharmacy of the "G. d'Annunzio" University of Chieti-Pescara on 3/6/2020. Within this project, I am responsible for the activity of the research fellow for the purification and characterization of new biologically active derivatives obtained from a probiotic strain.

Tutor of a 12-month research grant (SSD CHIM/08) entitled "Sintesi e studio dei profili di inibizione/attivazione di modulatori delle anidraasi carboniche batteriche" authorized by the Department of Pharmacy of the "G. d'Annunzio" University of Chieti-Pescara on 10/10/2024. Within this project (MACMI, Spoke 8, THE Tuscany Health Ecosystem), I am responsible for the activity of the research fellow for the synthesis, purification and chemical/enzymatic characterization of new biologically active derivatives.

Tutor of a 12-month research grant (SSD CHIM/08) entitled "Valutazione in silico e in vivo di nuovi modulatori delle anidraasi carboniche batteriche" authorized by the Department of Pharmacy of the "G. d'Annunzio" University of Chieti-Pescara on 10/10/2024. Within this project (MACMI, Spoke 8, THE Tuscany Health Ecosystem), I am responsible for the activity of the research fellow for the in silico characterization of new biologically active derivatives.

Tutor of a 12-month research grant (SSD CHIM/08) entitled "Ottimizzazione delle proprietà chimico-farmaceutiche di nuovi modulatori delle anidraasi carboniche batteriche per la somministrazione in vivo in modelli murini" authorized by the Department of Pharmacy of the "G. d'Annunzio" University of Chieti-Pescara on 10/10/2024. Within this project (MACMI, Spoke 8, THE Tuscany Health Ecosystem), I am responsible for the activity of the research fellow for the characterization and functionalization of new biologically active derivatives.

30/09/2025: Donation for research activities (co-project leader) by the company Masseria Fruttirossi S.r.L. (Castellaneta, TA, Italy) for the project “Chemical-pharmaceutical analysis and health benefits of pomegranate juice for the human body” (funding: 13000 euros).

23/09/2024: National **Principal Investigator** for the Bando a Cascata PRIN PNRR 2022 (THE – Tuscany Health Ecosystem) project, Spoke 8, Prot. P2022LX2RM (15 months) entitled “Impact of the modulation of Carbonic Anhydrases of the intestinal microbiota on the gut-brain axis”. for a total funding of 249.000 EUR (project code ECS00000017, CUP E53C22000800001).

14/06/2024: **Component** for the Ud'A unit for the Bando a Cascata Roma Technopole Spoke 1 project Prot. N SAP01-2023-000092 (12 + 3 months) entitled “Development of Smart SPraYable Medical DEvices to Alleviate Skin Diseases: One idea for Multiple Purposes” (SPYDE) for a total funding of 880.675,90 EUR (CUP B83C22002820006).

16/10/2023: **Component** for the Ud'A unit of the biennial project PRIN 2022 Prot. 2022HXMY4P entitled “Unity is strength: a novel tool based on hMAO-B inhibitors and mesenchymal stem cells secretome. Novel insights on molecular mechanisms of Parkinson’s disease” (PI: Dr. Paolo Guglielmi) for a total funding of 354.425 EUR. The share due to the "G. d'Annunzio "of Chieti-Pescara is 179.500 euros.

30/11/2023: National **Principal Investigator** for the biennial PRIN PNRR 2022 project Prot. P2022LX2RM entitled “Activation of Carbonic Anhydrases encoded by the human probiotics to enhance gut microbiota performance against dysbiosis and microbial infections”. for a total funding of 238.995 EUR. The share due to the "G. d'Annunzio" of Chieti-Pescara is 91.806 euros.

24/11/2020: FISR project presented under the MIUR - FISR 2019 - D.D. n. 1179 of 18-06-2019 - "Health" Area - Project "Bacterial Carbonic Anhydrases as pharmacological targets - towards a new generation of antibacterial drugs" - Acronym: BacCAD - FISR2019_04819 - Dr. Carradori - UdA Partner was found to be suitable and admitted to funding (score 60/60) in the ranking published on 10-12-2020 with D.D. n. 1987 of 11-25-2020. This three-year project envisages a partnership comprising Ud'A (**Principal Investigator**: Prof. Simone Carradori), UNIFI (PI: Prof. Claudiu T. Supuran) and the National Research Council (PI: Dr. Clemente Capasso) for a total funding of 2,170,000 EUR. The share due to the "G. d'Annunzio "of Chieti-Pescara is 450,000 euros.

"e-ALIERB: an OPEN LAB to characterize and enhance the food and herbal products of the Lazio region". Two-year project funded by the Lazio Region public notice Lr 13/2008 (PI: Prof. Luisa Mannina). Prof. Simone Carradori was a **component** of the project for the extraction and chemical characterization (also assisted using microwaves and ultrasounds) of new food and herbal products. Funded budget: 250,000 euros.

Academic activities and responsibilities

AQRD committee member for the Department of Pharmacy (22/2/18-5/12/18)

Board Member delegate for the Department of Pharmacy (2020-2021)

Erasmus delegate for the CdL in TESTA (2022-2025)

“Paritetica” committee delegate and President of the committee for the CdL in TESTA (2022-2025 and 2025-2028)

Student Internship committee member for the CdL in Testa (2022-2025)

Election committee member for the Department of Pharmacy (effective member for 2022-2023, suppletive member for 2023-2024, effective member for 2024-2025)

Suppletive Member of the Committee for the National Habilitation for the profession of Pharmacist (2022)

Member and vice president of the CUG committee (2022-2026)

Member and president of the Committee for the National Habilitation for the profession of Pharmacist (2024 and 2025, respectively)

Member of the Didactic Committee for the 1st level Master in “Bio-integrative medicine and naturopathic sciences” at “G. d'Annunzio” University of Chieti-Pescara (2025-2026)

Editorial activity

He is Editor-In-Chief of “Anti-Cancer Agents in Medicinal Chemistry” (Bentham Science Publishers, Q3 in Chemistry, Medicinal and Q2 in Oncology) (19/11/2020).

He is Co-Editor of Current Medicinal Chemistry (Bentham Science Publishers, Q2 in Chemistry, Medicinal) (01/3/2021).

He is Co-editor-in-chief of “Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry” (Bentham Science Publishers) (24/5/2016).

He was involved as a Section Editor for “Current Enzyme Inhibition” (Bentham Science Publishers) (01/09/2020-14/06/2021).

He was appointed as Co-editor in Chief of “Applied Drug Research, Clinical Trials and Regulatory Affairs” (Bentham Science Publishers) (30/10/2024).

He is also a member of the Editorial Board of “Antioxidants” (MDPI, Q1 in Chemistry, Medicinal), “Expert Opinion on Therapeutic Patents” (Taylor & Francis, Q2 in Chemistry, Medicinal), “Bioorganic Chemistry” (Elsevier, Q1 in Chemistry, Organic, Q1 in Biochemistry & Molecular Biology), “Mini-Reviews in Medicinal Chemistry” (Bentham Science Publishers, Q2 in Chemistry, Medicinal), “Antibiotics” (MDPI, Q1 in Pharmacology & Pharmacy, Q1 in Infectious Diseases), “CNS & Neurological Disorders – Drug Targets” (Bentham Science Publishers, Q2 in Pharmacology & Pharmacy, Q2 in Neurosciences), “Scientifica” (Q1 in Biology, Hindawi), International Journal of Food Science (Hindawi, Q2 in Food Science & Technology, Q2 in Nutrition & Dietetics), International Journal of Functional Nutrition (Spandidos Publications, 24/05/2024), AIDS Research and Treatment (Wiley, Q3 in Infectious Diseases, 24/06/2024), European Journal of Life Sciences (Anadolu University, Turkey), Frontiers of Multidisciplinary Research (SRM, 1/09/2025), Advances in Sustainable Nutrition and Food Innovation (Bytran Publishing Services Sdn. Bhd., 29/12/2025), and Drug Design (Scilight Press, 14/11/2024).

He is appointed as an Associate Editor for Frontiers in Pharmacology (Ethnopharmacology”, 16/05/2025) and Review Editor in Frontiers in Oncology (Section “Cancer Molecular Targets and Therapeutics”, 27/06/21), Frontiers in Antibiotics (Section “Antibiotic Development”, 24/07/2023), and in Frontiers in Drug Safety and Regulation (Section “Substance-Based Medical Devices”, 31/10/21).

Guest Associate Editor in “Medicinal and Pharmaceutical Chemistry”, “Neuropharmacology”, “Theoretical Modeling, structure prediction and design” and Community Reviewer in “Cancer Molecular Targets and Therapeutics”, “Antibiotic Development”, “Substance-Based Medical Device”, and “Antimicrobials, Resistance and Chemotherapy” for Frontiers Publisher.

He was also a member of the Editorial Board of “Journal of Enzyme Inhibition and Medicinal Chemistry” (Taylor & Francis, Q1 in Chemistry, Medicinal) till 17/09/2025.

Co-Guest editor of “Molecules” for the special issue entitled “Innovative techniques and hyphenated instrument configuration for complex matrices analysis” (approved 24/11/2017). on-line version ISSN 1420-30498, Printed version ISBN 978-3-03921-085-5.

Co-Guest editor of “Molecules” for the special issue entitled “Natural Product Pharmacology and Medicinal Chemistry” (approved 27/04/2018).

Co-Guest editor of “Molecules” for the special issue entitled “Natural active agents against bacteria, fungi and parasites” (approved 08/06/2018).

Co-Guest editor of “Molecules” for the special issue entitled “Novel Biologically Active Molecules, Biomaterials and Nanoparticles for the Microbial Biofilm Control in Human Medicine” (approved 13/11/2019).

Co-Guest Editor of “Expert Opinion on Therapeutic Patents” for the special issue entitled “Innovative antimicrobial agents to overcome antibiotic resistance and bacterial biofilm” (approved 17/12/2019).

Co-Guest editor of "Molecules" for the special issue entitled "Natural Product Pharmacology and Medicinal Chemistry II" (approved 25/02/2020).

Guest editor of "Molecules" for the special issue entitled "Natural Products and their Semi-Synthetic Derivatives Against Bacteria, Fungi and Parasites" (approved 02/03/2020).

Co-Guest editor of "Journal of Chemistry" for the special issue entitled "New Insights into the Potential of Nitrogen Heterocycles in Medicinal Chemistry" (approved 26/08/2020).

Guest editor of "Molecules" for the special issue entitled "Natural Products and their Semi-Synthetic Derivatives Against Bacteria, Fungi and Parasites II" (approved 12/04/2021).

Co-Guest editor of "Molecules" for the special issue entitled "Novel Biologically Active Molecules, Biomaterials and Nanoparticles for the Microbial Biofilm Control in Human Medicine II" (approved 13/11/2021).

Co-Guest editor of "Journal of Chemistry" for the special issue "New Insights into Oxygen- and Sulfur-Containing Heterocycles in Medicinal Chemistry" (approved 28/01/2022).

Co-Guest Topic Editor for "Antioxidant Activity in Plants, Plant-Derived Bioactive Compounds and Foods" (approved 24/02/2022).

Co-Guest editor for the special issue in "Frontiers in Chemistry" entitled "New Advancements in drug discovery, computational chemistry, and natural products" (approved 25/03/2022).

Co-Guest editor for the special issue in "International Journal of Molecular Sciences" entitled "NRF2 in Chronic Diseases Underlying the Oxidative Stress as a Trigger" (approved 05/09/2022).

Co-Guest editor for the special issue in "Frontiers in Pharmacology" entitled "Drug Discovery Targeting Neurodegenerative Diseases via Enzyme Inhibitors" (approved 30/09/2022).

Co-Guest editor of "Antioxidants" for the special issue entitled "Modulators of Oxidative Stress in Microbial Infections" (approved 25/10/2022).

Guest editor of "Antibiotics" for the special issue entitled "Natural Alternatives and Their Synthetic Derivatives to Antibiotics" (approved 17/04/2023).

Co-Guest editor of "Molecules" for the special issue "Hallmarks and Biological Targets to Investigate Natural and Synthetic Compounds as Anticancer Drugs" (approved 02/08/2023).

Co-Guest Editor of "Expert Opinion on Therapeutic Patents" for the special issue entitled "Fighting antimicrobial resistance" (approved 17/12/2023).

Co-Guest editor of "Antibiotics" for the special issue "Editorial Board Members' Collection Series: New Strategies to Overcome Antibiotic Resistance" (approved 19/03/2024).

Co-Guest editor for the special issue in "Frontiers in Pharmacology" entitled "Medicinal Plants Modulating the Microbiome: How Can This Improve the Management of Depression and Other CNS Diseases" (approved 24/04/2024).

Co-Guest editor of "Antioxidants" for the special issue entitled "Synthetic compounds: antioxidant and anti-inflammatory activities, biomedical properties and formulations" (approved 04/09/2024).

Co-Guest editor of "Foods" for the special issue entitled "Application of NMR spectroscopy in food analysis" (approved 09/09/2024).

Co-Guest Editor of "Antioxidants" for the special issue entitled "Modulation of Gut Microbiota and Oxidative Stress to Counteract or Prevent Human Disease" (approved 31/03/2025).

Co-Guest editor for the special issue in "Frontiers in Chemistry" entitled "Recent Advances in the Design of Heterocyclic Modulators of Druggable Enzymes" (approved 23/04/2025).

Co-Guest Topic Editor for "Memory-Enhancing Activity of Bioactive Compounds: From Natural Sources to Brain, 2nd Edition" (approved 13/05/2025).

Co-Guest Editor of the Virtual Thematic Issue in "Anti-Cancer Agents in Medicinal Chemistry" entitled "Plant-Derived Bioactive Compounds: From Extraction to Target Identification, Chemical Modification, Nanoencapsulation, And Anti-Proliferative Activity Assessment" (approved 11/08/2025).

Co-Guest editor for the special issue in "Frontiers in Chemical Biology" entitled "Drug-Target Binding Kinetics and Mechanisms: Toward Rational and Predictive Drug Discovery" (approved 23/09/2025).

Book Editor

S. Carradori, Medicinal Chemistry Lessons from Nature, Vol. 1 "Flavonoids and Phenolics", Bentham Science Publishers (2022). <https://doi.org/10.2174/97898150790981220101>. Print ISBN 978-981-5079-10-4, eISBN 978-981-5079-09-8.

S. Carradori, Medicinal Chemistry Lessons from Nature, Vol. 2 "Terpenes, Steroids, Saponins and Pigments", Bentham Science Publishers (2023). DOI: 10.2174/97898151236471230201; eISBN: 978-981-5123-64-7, 2023; ISBN: 978-981-5123-65-4; ISSN: 2972-3396 (Print); ISSN: 2972-340X (Online).

S. Carradori, Medicinal Chemistry Lessons from Nature, Vol. 3 "Alkaloids and Other Heterocyclic Derivatives", Bentham Science Publishers (2023). DOI: 10.2174/97898151236781230301; ISBN: 978-981-5123-68-5 (Print); ISBN: 978-981-5123-67-8 (Online).

Book Co-Editor of "pH Interfering Agents as Chemosensitizers in Cancer Therapy" Elsevier Publisher, Paperback ISBN: 9780128207017 (approved 19/06/2019). Imprint: Academic Press, Published Date: 3rd September 2020.

Book Co-Editor of "Chalcones: from Drug Discovery to Pharmaceutical Applications" Elsevier Publisher Paperback ISBN: 9780443438127, eBook ISBN: 9780443438134. Imprint: Academic Press, Published Date: 1st April 2026.

Book Co-Editor of "Endophyte Derived Metabolites in Cancer Therapy" Springer Nature Publisher (in progress).

Book Co-Editor of "Stimuli-Responsive Graphene Oxide Nanocarriers for Plant-Derived Bioactives" Bentham Science Publisher (in progress).

Oral communications

S. Carradori "Sintesi e attività inibitoria selettiva sull'isoforma B delle MAO di derivati alchiliden-(4-ariltiazol-2-il)idrazonici. 2^o Meeting-Nuove prospettive in Chimica Farmaceutica, Catanzaro (Italy) 16-17 May 2008.

Carradori S. "Synthesis and biological evaluation of a new thiazole derivative, inducing histone hypoacetylation and apoptosis in human leukemia cells". 5^o Meeting-Nuove prospettive in Chimica Farmaceutica, Trieste (Italy) 28-30 March 2011.

Carradori S., De Monte C., Bizzari B., Secci D., Jones-Brando L. "Thiazolidinone scaffold: a new pharmacophore for anti-*Toxoplasma gondii* agents". 21st National Meeting on Medicinal Chemistry, Palermo (Italy), 17-20 July 2012.

S. Carradori, M. D'Ascenzio, D. Secci, A. Bolasco, P. Chimenti, M. Yáñez. "Exploring a new scaffold of 2-/3-/4-acetylpyridine derivatives as potent and selective human MAO-B inhibitors". 7^o Meeting-Nuove prospettive in Chimica Farmaceutica, Savigliano (CN) 29-31 May 2013.

Carradori S., Nescatelli, R., De Monte C., Secci D., Caponigro V., Marini F., Mannina L. "Analytical characterization and biological evaluation of the main constituents of *Crocus sativus* L. (saffron) from different geographical origins". 22nd National Meeting on Medicinal Chemistry, Rome (Italy) 10-13 September 2013.

S. Carradori. Non-classical and selective carbonic anhydrase inhibitors: new scaffolds in the limelight? 10th International Carbonic Anhydrase Conference, Maastricht (The Netherlands) 20-22 April 2015.

S. Carradori, M. Locatelli, G. Bellagamba, G. Macedonio, L. Mannina, F.R. De Salvador, A. Angeli, C.T. Supuran. Microwave-assisted extraction, HPLC-PDA analysis and inhibition of carbonic anhydrase I, II, V(A) and VII isoforms of fourteen blueberry Italian cultivars. GIDRM-V Workshop. Applicazioni della risonanza magnetica nella scienza degli alimenti, Rome (Italy). 26-27 May 2016.

S. Carradori. Approcci multidisciplinari per la caratterizzazione geografica di zafferani commerciali. Workshop “Lo zafferano dell’Aquila DOP”, Navelli (AQ, Italy) 28-29 October 2016.

S. Carradori. Benzo[*b*]thiophen-3-ol derivatives as effective inhibitors of hMAOs: design, synthesis and biological activity. TUMA2019, 19-20 September 2019, Ancona (Italy) (invited).

S. Carradori. Design, synthesis and biological activity of selective hCAs inhibitors based on 2-(benzylsulfinyl)benzoic acid scaffold. World Congress on Chemistry, Valencia, Spain, 24-25 October 2019 (invited).

S. Carradori (20 minutes). Exploring new chemical scaffolds as carbonic anhydrase inhibitors and co-releasing molecules. 4th Satellite Meeting on Carbonic Anhydrases, 14-17 November 2019, Parma (Italy). (invited)

S. Carradori. New chemical scaffolds as carbon monoxide releasing molecules (CORMs) for the management of inflammation. Chemistry Virtual 2020 (Webinar). (invited)

S. Carradori. Synthesis and biological evaluation of carvacrol-based derivatives as dual inhibitors of *H. pylori* strains and AGS cell proliferation. 12th International Conference on Medicinal Chemistry and Drug Discovery, 14-15 October 2020, Munich (Germany). (invited)

S. Carradori (30 minutes). Design and synthesis of carvacrol- and thymol-based derivatives as dual inhibitors of *H. pylori* strains and AGS cell proliferation. Scholars International Conference on Frontiers in Chemistry and Drug Discovery, 25-26 August 2021 Rome (Italy).

S. Carradori (invited plenary lecture, 40 minutes). Design and Synthesis of New Derivatives of Plant Secondary Metabolites as Dual Inhibitors of *Helicobacter pylori* Strains and AGS Cell Proliferation. “10th Drug Chemistry Congress”, 10-13 March 2022, Antalya (Turkey).

S. Carradori. Selective Inhibition of *Helicobacter pylori* Carbonic Anhydrases by plant secondary metabolites and their synthetic derivatives could impair biofilm production and the release of Outer Membrane Vesicles. “II International Virtual Meeting on Medicinal Plants”, 14/05/2022, Niteroi, Brasil.

Invited Keynote (30 minutes). S. Carradori “Exploring new derivatives of secondary metabolites as inhibitors of *Helicobacter pylori* and anti-biofilm agents endowed with low cytotoxicity on human cells”. The 2nd International Electronic Conference on Antibiotics—Drugs for Superbugs: Antibiotic Discovery, Modes of Action and Mechanisms of Resistance. Electronic conference, 23 June 2022.

Oral communication (20 minutes). S. Carradori “Plant phenolics and their synthetic derivatives as inhibitors of *Helicobacter pylori*: Suggestion for a new mechanism of action“. Current Research Topics In Pharmacy: Microbiology Debates, 14 December 2022, Istanbul, Turkey (online).

Invited Keynote (30 minutes). S. Carradori “BacCAD project, searching for new antibacterial agents: medchem efforts to develop selective carbonic anhydrase inhibitors with anti-*Helicobacter pylori* activity”. 12th International conference on Carbonic Anhydrases, 5-7 July 2023 Naples (Italy).

Invited Plenary Lecture (40 minutes). S. Carradori “Dual Coumarin-Based Inhibitors of Carbonic Anhydrases and Monoamine Oxidase B Against Neurodegenerative Disorders”. 7th International Conference on Advances in Natural and Applied Sciences, ICANAS’24 (<https://icanas.org.tr>), 17–20 April 2024, Antalya, Turkey.

Invited Plenary Lecture (40 minutes). S. Carradori. “Selective Carbonic Anhydrase inhibitors as new antibacterial agents with anti-*Helicobacter pylori* activity”. 14th International Symposium on Pharmaceutical Sciences ISOPS, 25-28 June 2024, Ankara, Turkey.

Keynote speaker (30 minutes). S. Carradori. “The pomegranate fruit: not just a simple food”. XXVIII National Congress of the Italian Chemical Society, 26-30 August 2024, Milano, Italy.

Invited Lecture (15 minutes). S. Carradori “Selective carbonic anhydrase modulators as new antibacterial agents or probiotics stimulators”. Al-Zaytoonah 9th International Conference 2024 (Innovations in Pharmaceutical Research and Practice, ZIPC2024), 16-17 October 2024, Ammam, Jordan.

Invited plenary Lecture (45 minutes). S. Carradori “Stimulation of the gut microflora performance or antibacterial effects through selective carbonic anhydrase modulators”. VII. ULUSAL FARMASÖTİK KİMYA KONGRESİ (VII Congresso Nazionale di Chimica Farmaceutica), 26-28 October 2024, Izmir, Türkiye.

Lecture (30 minutes). S. Carradori “Bacterial carbonic anhydrase: an innovative target in the prevention or therapy of infection?”. Exploring new frontiers in drug sciences and education: fostering new collaborations Workshop 2 December 2024, Rome, Italy.

Oral communication (15 minutes). S. Carradori “Modulation of bacterial Carbonic Anhydrase: a case study in MedChem”. EURESTOP COST Meeting, 30-31 January 2025, Seville, Spain.

Invited Lecture (45 minutes). S. Carradori “Dual modulation of Carbonic Anhydrases and Monoamine Oxidase B against neurodegenerative disorders”. International Conference on Artificial Intelligence in Drug Discovery and Pharmaceutical Research, 12-14 February 2025, Kattankulathur, India.

Invited lecture (60 minutes). S. Carradori “Multitarget Coumarin-Based Inhibitors of Carbonic Anhydrases and Monoamine Oxidase B Against Neurodegenerative Disorders”. Pharmankara IV, 21-23 February 2025 (online).

Invited lecture (30 minutes). S. Carradori “Modulation of bacterial Carbonic Anhydrases: An In-Depth Multidisciplinary Study“. 13th International Conference on Carbonic Anhydrases (ICCA 2025), 2-4 April, Seville (Spain).

Oral communication (15 minutes). S. Carradori “Studi preclinici su linea cellulare”. IPB: Nuovi progressi in medicina integrativa, 4 April 2025, Rome (Italy).

Oral communication (10 minutes). S. Carradori, F. Melfi, I. D’Agostino, F. Sisto “Azo derivatives of monoterpenes as anti-*Helicobacter pylori* agents: synthesis, characterization, antimicrobial properties and structure-based target investigation”. COST Action 21145 WG3 Meeting, 17/06/2025, Tirana, Albania.

Oral communication (15 minutes). S. Carradori “Chemical and biological evaluation of two commercial pomegranate juices after different industrial processing”. VI International Symposium on Pomegranate and Minor Mediterranean Fruits (POMSYM25), 22-25 September 2025, Bari, Italy.

Invited oral communication (20 minutes). S. Carradori “Azo derivatives of naturally-occurring monoterpenes as innovative anti-*Helicobacter pylori* agents”. 8th MDPI Guest Editor Club 2025, Chemistry & Material Science Session, 20 November 2025 (online).

Internazionalization and “Third Mission”

BIP speaker at School of Pharmacy, Universidad de Castilla-La Mancha (Spain) for the lecture “Perspectives. Medicinal Chemistry” (Albacete, Spain 28/06/2024-05/07/2024).

Speaker at the scientific event “Botanix, made for urologist” organized by Idi Pharma company at Catania (Italy) on the 2nd of March 2024.

Speaker at the scientific event “Prostatic pathologies: clinical therapy and mini-invasive surgery” organized by Idi Pharma company at Catania (Italy) on the 14th september 2024.

Speaker at the scientific event “IPB: NUOVI PROGRESSI IN MEDICINA INTEGRATIVA” organized by Idi Pharma company in Rome (Italy) on the 4th of April 2025.

BIP organizer and speaker at School of Pharmacy, Universidad de Castilla-La Mancha (Spain) for the lecture (30 minutes) “Modulation of bacterial carbonic anhydrases: an in-depth multidisciplinary study” (Albacete, Spain 28/06/2024-05/07/2024).

Member (WG3) of the COST Action CA21145 European Network for diagnosis and treatment of antibiotic-resistant bacterial infections (EURESTOP) (15/11/2022)

Member (WG2) of the COST Action CA20121 Bench to bedside transition for pharmacological regulation of NRF2 in noncommunicable diseases (BenBedPhar) (12/07/2024-07/12/2025).

Member (WG2, WG3, WG4, WG6) of the COST Action CA22134 Sustainable Network for agrofood loss and waste prevention, management, quantification and valorisation (FoodWaStop) (14/11/2024).

Awards and recognitions

He was awarded as Honorary Adjunct Faculty from Lovely Professional University (Jalandhar, India) for five years (19/06/2025).

He was included in the World's Top 2% Scientists list in 2021, 2022, 2023 and 2024 by the scientists at Stanford University in collaboration with Elsevier.

06/12/2023: National Scientific Qualification for the role of Full Professor (Medicinal Chemistry, 03/D1, CHIM08).

11/04/2024: Conference Sponsorship Agreement for Antioxidants Travel grant (300 Swiss francs).

08/09/2025: Conference Sponsorship Agreement for Antioxidants Travel grant (200 Swiss francs).

“Best Poster” awards

1. G.D. Marconi, **S. Carradori**, A. Ricci, A. Cataldi, S. Zara. Novel kinesin Eg5 inhibitors as potential drugs for gastric adenocarcinoma treatment. 44th FEBS Congress, 6–11 July **2019**, Krakow, Poland.

2. V. Puca, T. Traini, S. Guarnieri, R. Grande, **S. Carradori**, F. Sisto, N. Macchione, G. Mincione, R. Muraro. The antibiofilm effect of a medical device (MD) containing TIAB on microorganisms associated with surgical site infections (SSIS). 4° Congresso Nazionale SIPMeL, 34° Congresso Nazionale SIPMeT, 23-25 October **2018**, Catania (Italy).

“Best Paper” award

1 “Carbonic Anhydrase Inhibitors Targeting Metabolism and Tumor Microenvironment” by A. Angeli, F. Carta, A. Nocentini, J.-Y. Winum, R. Zalubovskis, A. Akdemir, V. Onnis, W. M. Eldehna, C. Capasso, G. De Simone, S. M. Monti, **S. Carradori**, W. A. Donald, S. Dedhar, C. T. Supuran. *Metabolites* **2020**, *10*, 412; doi:10.3390/metabo10100412.

“2023 MDPI Topic Award”

As Co-Guest Editor, I was awarded with 750 Swiss francs for the Topic Issue "Antioxidant Activity in Plants, Plant-Derived Bioactive Compounds and Foods" (31/10/2024).

Prof. Simone Carradori has carried out his scientific works collaborating with several foreign departments. Currently, he is an associate professor in Medicinal Chemistry at the Department of Pharmacy of “G. d’Annunzio” University of Chieti-Pescara (Italy). The scientific activity is mainly focused on the characterization and synthesis of natural/synthetic derivatives with potential biological activity and is documented from about **300** papers in international peer-reviewed journals.

List of publications

H-index= **57** (Scopus), n° of citations = **11666** (Scopus)

H-index= **52** (WoS), n° of citations = **10592** (WoS)

H-index= **64** (Google Scholar), n° of citations = **14221** (Google Scholar)

N°	publication
1	Bolasco A, Fioravanti R, Carradori S. Recent development of monoamine oxidase inhibitors. <i>Expert Opinion Ther Patents</i> 2005;15:1763-1782.
2	Chimenti F, Bizzarri B, Bolasco A, Secci D, Chimenti P, Carradori S, Granese A, Rivanera D, Lilli D, Scaltrito MM, Brenciaglia MI. Synthesis and in vitro selective anti-Helicobacter pylori activity of N-substituted-2-oxo-2H-1-benzopyran-3-carboxamides. <i>Eur J Med Chem.</i> 2006;41(2):208-12. doi: 10.1016/j.ejmech.2005.11.001.
3	Chimenti F, Secci D, Bolasco A, Chimenti P, Granese A, Carradori S, Befani O, Turini P, Alcaro S, Ortuso F. Synthesis, molecular modeling studies, and selective inhibitory activity against monoamine oxidase of N,N'-bis[2-oxo-2H-benzopyran]-3-carboxamides. <i>Bioorg Med Chem Lett.</i> 2006 Aug 1;16(15):4135-40. doi: 10.1016/j.bmcl.2006.04.026.

4	Chimenti F, Bizzarri B, Bolasco A, Secci D, Chimenti P, Carradori S, Granese A, Rivanera D, Lilli D, Zicari A, Scaltrito MM, Sisto F. A novel class of selective anti- <i>Helicobacter pylori</i> agents 2-oxo-2H-chromene-3-carboxamide derivatives. <i>Bioorg Med Chem Lett</i> . 2007;17(11):3065-71. doi: 10.1016/j.bmcl.2007.03.050.
5	Chimenti F, Bizzarri B, Maccioni E, Secci D, Bolasco A, Fioravanti R, Chimenti P, Granese A, Carradori S, Rivanera D, Lilli D, Zicari A, Distinto S. Synthesis and in vitro activity of 2-thiazolylhydrazone derivatives compared with the activity of clotrimazole against clinical isolates of <i>Candida</i> spp. <i>Bioorg Med Chem Lett</i> . 2007;17(16):4635-40. doi: 10.1016/j.bmcl.2007.05.078.
6	Cirilli R, Ferretti R, La Torre F, Secci D, Bolasco A, Carradori S, Pierini M. High-performance liquid chromatographic separation of enantiomers and diastereomers of 2-methylcyclohexanone thiosemicarbazone, and determination of absolute configuration and configurational stability. <i>J Chromatogr A</i> . 2007;1172(2):160-9. doi: 10.1016/j.chroma.2007.10.009.
7	Chimenti F, Maccioni E, Secci D, Bolasco A, Chimenti P, Granese A, Carradori S, Alcaro S, Ortuso F, Yáñez M, Orallo F, Cirilli R, Ferretti R, La Torre F. Synthesis, stereochemical identification, and selective inhibitory activity against human monoamine oxidase-B of 2-methylcyclohexylidene-(4-arylthiazol-2-yl)hydrazones. <i>J Med Chem</i> . 2008;51(16):4874-80. doi: 10.1021/jm800132g.
8	Chimenti F, Bizzarri B, Maccioni E, Secci D, Bolasco A, Chimenti P, Fioravanti R, Granese A, Carradori S, Tosi F, Ballario P, Vernarecci S, Filetici P. A novel histone acetyltransferase inhibitor modulating Gcn5 network: cyclopentylidene-[4-(4'-chlorophenyl)thiazol-2-yl]hydrazone. <i>J Med Chem</i> . 2009;52(2):530-6. doi: 10.1021/jm800885d.
9	Chimenti F, Secci D, Bolasco A, Chimenti P, Bizzarri B, Granese A, Carradori S, Yáñez M, Orallo F, Ortuso F, Alcaro S. Synthesis, molecular modeling, and selective inhibitory activity against human monoamine oxidases of 3-carboxamido-7-substituted coumarins. <i>J Med Chem</i> . 2009;52(7):1935-42. doi: 10.1021/jm801496u.
10	Chimenti F, Bizzarri B, Bolasco A, Secci D, Chimenti P, Carradori S, Granese A, Rivanera D, Frishberg N, Bordón C, Jones-Brando L. Synthesis and evaluation of 4-acyl-2-thiazolylhydrazone derivatives for anti- <i>Toxoplasma</i> efficacy in vitro. <i>J Med Chem</i> . 2009;52(15):4574-7. doi: 10.1021/jm9005862.
11	Chimenti F, Carradori S, Secci D, Bolasco A, Chimenti P, Granese A, Bizzarri B. Synthesis and biological evaluation of novel conjugated coumarin-thiazole systems. <i>J. Heterocyclic Chem</i> . 2009;46:575-578.
12	Chimenti F, Carradori S, Secci D, Bolasco A, Bizzarri B, Chimenti P, Granese A, Yáñez M, Orallo F. Synthesis and inhibitory activity against human monoamine oxidase of N1-thiocarbamoyl-3,5-di(hetero)aryl-4,5-dihydro-(1H)-pyrazole derivatives. <i>Eur J Med Chem</i> . 2010;45(2):800-4. doi: 10.1016/j.ejmech.2009.11.003.
13	Bolasco A, Carradori S, Fioravanti R. Focusing on new monoamine oxidase inhibitors. <i>Expert Opin Ther Pat</i> . 2010;20(7):909-39. doi: 10.1517/13543776.2010.495716.
14	Chimenti F, Secci D, Bolasco A, Chimenti P, Granese A, Carradori S, Maccioni E, Cardia MC, Yáñez M, Orallo F, Alcaro S, Ortuso F, Cirilli R, Ferretti R, Distinto S, Kirchmair J, Langer T. Synthesis, semipreparative HPLC separation, biological evaluation, and 3D-QSAR of hydrazothiazole derivatives as human monoamine oxidase B inhibitors. <i>Bioorg Med Chem</i> . 2010;18(14):5063-70. doi: 10.1016/j.bmc.2010.05.070.
15	Chimenti F, Bolasco A, Secci D, Chimenti P, Granese A, Carradori S, Yáñez M, Orallo F, Ortuso F, Alcaro S. Investigations on the 2-thiazolylhydrazine scaffold: synthesis and molecular modeling of selective human monoamine oxidase inhibitors. <i>Bioorg Med Chem</i> . 2010;18(15):5715-23. doi: 10.1016/j.bmc.2010.06.007.
16	Chimenti F, Bizzarri B, Bolasco A, Secci D, Chimenti P, Granese A, Carradori S, Rivanera D, Zicari A, Scaltrito MM, Sisto F. Synthesis, selective anti- <i>Helicobacter pylori</i> activity, and cytotoxicity of novel N-substituted-2-oxo-2H-1-benzopyran-3-carboxamides. <i>Bioorg Med Chem Lett</i> . 2010;20(16):4922-6. doi: 10.1016/j.bmcl.2010.06.048.
17	Chimenti F, Secci D, Bolasco A, Chimenti P, Granese A, Carradori S, Yáñez M, Orallo F, Sanna ML, Gallinella B, Cirilli R. Synthesis, stereochemical separation, and biological evaluation of selective inhibitors of human MAO-B: 1-(4-arylthiazol-2-yl)-2-(3-methylcyclohexylidene)hydrazines. <i>J Med Chem</i> . 2010;53(17):6516-20. doi: 10.1021/jm100120s.
18	Chimenti F, Bizzarri B, Bolasco A, Secci D, Chimenti P, Granese A, Carradori S, D'Ascenzio M, Scaltrito M.M, Sisto F. Synthesis and anti- <i>Helicobacter pylori</i> activity of 4-(coumarin-3-yl)thiazol-2-ylhydrazone derivatives. <i>J. Heterocyclic Chem</i> . 2010;47:1269-1274.
19	Chimenti F, Secci D, Bolasco A, Chimenti P, Granese A, Carradori S, D'Ascenzio M, Yáñez M, Orallo F. Synthesis and selective inhibition of human monoamine oxidases of a large scaffold of (4,5-substituted-thiazol-2-yl)hydrazones. <i>Med. Chem. Commun</i> . 2010;1:61-72.
20	Chimenti F, Bolasco A, Secci D, Bizzarri B, Chimenti P, Granese A, Carradori S. Synthesis and characterization of new 3-acyl-7-hydroxy-6,8-substituted-coumarin and 3-acyl-7-benzyloxy-6,8-substituted-coumarin derivatives. <i>J. Heterocyclic Chem</i> . 2010;47:729-733.
21	Chimenti F, Bizzarri B, Bolasco A, Secci D, Chimenti P, Granese A, Carradori S, D'Ascenzio M, Lilli D, Rivanera D. Synthesis and biological evaluation of novel 2,4-disubstituted-1,3-thiazoles as anti- <i>Candida</i> spp. agents. <i>Eur J Med Chem</i> . 2011;46(1):378-82. doi: 10.1016/j.ejmech.2010.10.027.
22	Carradori S, Secci D, Mai A. Epigenetic modulation of PGC-1 α activity by GCN5 inhibitors: WO2010007085. <i>Expert Opin Ther Pat</i> . 2011;21(10):1651-6. doi: 10.1517/13543776.2011.602069.

23	Secci D, Carradori S, Bolasco A, Chimenti P, Yáñez M, Ortuso F, Alcaro S. Synthesis and selective human monoamine oxidase inhibition of 3-carbonyl, 3-acyl, and 3-carboxyhydrazido coumarin derivatives. <i>Eur J Med Chem.</i> 2011;46(10):4846-52. doi: 10.1016/j.ejmech.2011.07.017.
24	Secci D, Bolasco A, Chimenti P, Carradori S. The state of the art of pyrazole derivatives as monoamine oxidase inhibitors and antidepressant/anticonvulsant agents. <i>Curr Med Chem.</i> 2011;18(33):5114-44. doi: 10.2174/092986711797636090.
25	Carradori S, Cristini C, Secci D, Gulia C, Gentile V, Di Pierro GB. Current and emerging strategies in bladder cancer. <i>Anticancer Agents Med Chem.</i> 2012;12(6):589-603. doi: 10.2174/187152012800617768.
26	Trisciuglio D, Ragazzoni Y, Pelosi A, Desideri M, Carradori S, Gabellini C, Maresca G, Nescatelli R, Secci D, Bolasco A, Bizzarri B, Cavaliere C, D'Agnano I, Filetici P, Ricci-Vitiani L, Rizzo MG, Del Bufalo D. CPTH6, a thiazole derivative, induces histone hypoacetylation and apoptosis in human leukemia cells. <i>Clin Cancer Res.</i> 2012;18(2):475-86. doi: 10.1158/1078-0432.CCR-11-0579.
27	Secci D, Bizzarri B, Bolasco A, Carradori S, D'Ascenzio M, Rivanera D, Mari E, Polletta L, Zicari A. Synthesis, anti-Candida activity, and cytotoxicity of new (4-(4-iodophenyl)thiazol-2-yl)hydrazine derivatives. <i>Eur J Med Chem.</i> 2012;53:246-53. doi: 10.1016/j.ejmech.2012.04.006.
28	Carradori S, Secci D, Bolasco A, Chimenti P, D'Ascenzio M. Patent-related survey on new monoamine oxidase inhibitors and their therapeutic potential. <i>Expert Opin Ther Pat.</i> 2012;22(7):759-801. doi: 10.1517/13543776.2012.698613.
29	Carradori S, Cirilli R, Dei Cicchi S, Ferretti R, Menta S, Pierini M, Secci D. 3-methylcyclohexanone thiosemicarbazone: determination of E/Z isomerization barrier by dynamic high-performance liquid chromatography, configuration assignment and theoretical study of the mechanisms involved by the spontaneous, acid and base catalyzed processes. <i>J Chromatogr A.</i> 2012;1269:168-77. doi: 10.1016/j.chroma.2012.08.007.
30	Carradori S, Secci D, Bolasco A, De Monte C, Yáñez M. Synthesis and selective inhibitory activity against human COX-1 of novel 1-(4-substituted-thiazol-2-yl)-3,5-di(hetero)aryl-pyrazoline derivatives. <i>Arch Pharm.</i> 2012;345(12):973-9. doi: 10.1002/ardp.201200249.
31	Secci D, Bolasco A, Carradori S, D'Ascenzio M, Nescatelli R, Yáñez M. Recent advances in the development of selective human MAO-B inhibitors: (hetero)arylidene-(4-substituted-thiazol-2-yl)hydrazines. <i>Eur J Med Chem.</i> 2012;58:405-17. doi: 10.1016/j.ejmech.2012.10.032.
32	Secci D, Carradori S, Bolasco A, Bizzarri B, D'Ascenzio M, Maccioni E. Discovery and optimization of pyrazoline derivatives as promising monoamine oxidase inhibitors. <i>Curr Top Med Chem.</i> 2012;12(20):2240-57. doi: 10.2174/156802612805220057.
33	Secci D, Bolasco A, D'Ascenzio M, della Sala F, Yáñez M, Carradori S. Conventional and microwave-assisted synthesis of benzimidazole derivatives and their in vitro inhibition of human cyclooxygenase. <i>J. Heterocyclic Chem.</i> 2012;49:1187-1195.
34	Carradori S, D'Ascenzio M, De Monte C, Secci D, Yáñez M. Synthesis and selective human monoamine oxidase B inhibition of heterocyclic hybrids based on hydrazine and thiazole scaffolds. <i>Arch Pharm.</i> 2013;346(1):17-22. doi: 10.1002/ardp.201200318.
35	Carradori S. Selective carbonic anhydrase IX inhibitors based on coumarin scaffold as promising antimetastatic agents: WO2012070024. <i>Expert Opin Ther Pat.</i> 2013;23(6):751-6. doi: 10.1517/13543776.2013.769523.
36	Ragazzoni Y, Desideri M, Gabellini C, De Luca T, Carradori S, Secci D, Nescatelli R, Candiloro A, Condello M, Meschini S, Del Bufalo D, Trisciuglio D. The thiazole derivative CPTH6 impairs autophagy. <i>Cell Death Dis.</i> 2013;4(3):e524. doi: 10.1038/cddis.2013.53.
37	Carradori S, Secci D, Bolasco A, Rivanera D, Mari E, Zicari A, Lotti LV, Bizzarri B. Synthesis and cytotoxicity of novel (thiazol-2-yl)hydrazine derivatives as promising anti-Candida agents. <i>Eur J Med Chem.</i> 2013;65:102-11. doi: 10.1016/j.ejmech.2013.04.042.
38	Chimenti P, Petzer A, Carradori S, D'Ascenzio M, Silvestri R, Alcaro S, Ortuso F, Petzer JP, Secci D. Exploring 4-substituted-2-thiazolylhydrazones from 2-, 3-, and 4-acetylpyridine as selective and reversible hMAO-B inhibitors. <i>Eur J Med Chem.</i> 2013;66:221-7. doi: 10.1016/j.ejmech.2013.05.032.
39	Carradori S, De Monte C, D'Ascenzio M, Secci D, Celik G, Ceruso M, Vullo D, Scozzafava A, Supuran CT. Salen and tetrahydrosalen derivatives act as effective inhibitors of the tumor-associated carbonic anhydrase XII--a new scaffold for designing isoform-selective inhibitors. <i>Bioorg Med Chem Lett.</i> 2013;23(24):6759-63. doi: 10.1016/j.bmcl.2013.10.026.
40	Carradori S, Secci D, D'Ascenzio M, Chimenti P, Bolasco A. Microwave and ultrasound-assisted synthesis of thiosemicarbazones and their corresponding (4,5-substituted-thiazol-2-yl)hydrazines. <i>J. Heterocyclic Chem.</i> 2014;51:1856-1861.
41	Carradori S, D'Ascenzio M, Chimenti P, Secci D, Bolasco A. Selective MAO-B inhibitors: a lesson from natural products. <i>Mol Divers.</i> 2014;18(1):219-43. doi: 10.1007/s11030-013-9490-6.
42	Materazzo S, Carradori S, Ferretti R, Gallinella B, Secci D, Cirilli R. Effect of the water content on the retention and enantioselectivity of albendazole and fenbendazole sulfoxides using amylose-based chiral stationary phases in organic-aqueous conditions. <i>J Chromatogr A.</i> 2014;1327:73-9. doi: 10.1016/j.chroma.2013.12.051.
43	Lenoci A, Tomassi S, Conte M, Benedetti R, Rodriguez V, Carradori S, Secci D, Castellano S, Sbardella G,

	Filetici P, Novellino E, Altucci L, Rotili D, Mai A. Quinoline-based p300 histone acetyltransferase inhibitors with pro-apoptotic activity in human leukemia U937 cells. <i>ChemMedChem</i> . 2014;9(3):542-8. doi: 10.1002/cmdc.201300536.
44	Secci D, Carradori S, Bizzarri B, Bolasco A, Ballario P, Patramani Z, Fragapane P, Vernarecci S, Canzonetta C, Filetici P. Synthesis of a novel series of thiazole-based histone acetyltransferase inhibitors. <i>Bioorg Med Chem</i> . 2014;22(5):1680-9. doi: 10.1016/j.bmc.2014.01.022.
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Book chapters

- 1 Method validation and hyphenated techniques: recent trends and future perspectives.** M. Locatelli, R. Cifelli, S. Vitalei, P. Santini, E. De Luca, G. Bellagamba, C. Celia, **S. Carradori**, L. Di Marzio, A. Mollica. in "Analytical Chemistry: developments, applications and challenges in food analysis", pp 1-22, Eds: M. Locatelli, C. Celia. Nova Sciences Publishers, Hauppauge (NY), USA, **2017**. ISBN: 978-1-53612-267-1.
- 2 Mechanisms of action of Carbonic Anhydrase inhibitors: compounds that bind "out of the binding site" and compounds with an unknown mechanism of action.** **S. Carradori**, P. Guglielmi (chapter 12, pp. 257-267). In "Carbonic Anhydrases – Biochemistry and pharmacology of an evergreen pharmaceutical target", Eds: C.T. Supuran, A. Nocentini, Elsevier, London, UK, **2019**. ISBN: 978-0-12-816476-1.
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Patents

1. **“Sali di composti a struttura benzimidazolica, loro usi e procedimento di preparazione”**
Inventors: R. Cirilli (70%, ISS), **S. Carradori** (20% “G. d’Annunzio” Università di Chieti-Pescara), A. Casulli (5%, ISS), C. De Monte (5%, Sapienza Università di Roma).
Italian patent: 06/08/2015 (n° 102015000042848).
2. Request for European patent: 09/06/2016 (n° 16788256.2). European Patent number: EP3201194 (29/05/2019).
3. **“Composto antiinfettivo ad azione duale”.** Inventors: CT. Supuran (40%, UNIFI), A. Angeli (20%, UNIFI), **S. Carradori** (20%, “G. d’Annunzio” Università di Chieti-Pescara), R. Grande (20%, “G. d’Annunzio” Università di

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Project Evaluator

Expert evaluator for the Czech Science Foundation Grant Reviews 2021 (two projects)

Expert evaluator for two projects submitted to the National Research Foundation (NRF, South Africa) (6/08/2020 and 19/07/2021)

Expert evaluator for one project submitted to the Croatian Science Foundation (29/07/2023)

February 23rd 2026

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