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Procedura selettiva di chiamata per n. 1 posto di Ricercatore a tempo determinato - Tipologia B presso il Dipartimento di Chimica Tecnologie del Farmaco, Facoltà di Farmacia e Medicina, Settore Scientifico-disciplinare CHIM/08, Settore concorsuale 03/D1 di cui al bando emanato con D.R. n. 2267/2021 del 09.08.2021 con avviso pubblicato sulla G.U. – IV serie speciale n. 69 in data 31/08/2021, codice concorso 2021RTDB022.

Paolo Guglielmi Curriculum Vitae

Place: Roma

Date: 29/09/2021

Part I – General Information

Full Name	Paolo Guglielmi
Spoken Languages	Mother tongue Italian, good knowledge of English

Part II – Education

Type	Year	Institution	Notes
Licensure	27/07/2020	Faculty of Pharmacy and Medicine, Sapienza University of Rome	Qualified Pharmacist
PhD	20/12/2018	Faculty of Pharmacy and Medicine, Sapienza University of Rome	PhD with honors in pharmaceutical sciences (XXXI cycle). Thesis Title: “Synthesis and biological evaluation of new saccharin-based inhibitors of cancer-related carbonic anhydrase IX and XII isoforms & Benzo[b]tiophen-3-ol derivatives as effective inhibitors of hMAOs: design, synthesis and biological activity”.
University graduation	28/10/2014	Faculty of Pharmacy and Medicine, Sapienza University of Rome	Magna cum Laude Master’s Degree in Drug Chemistry and Technologies. Thesis Title: “Materiali ibridi ad elevata superficie e composti per applicazioni biomediche”

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
19/04/2021	19/04/2030	Ministry of Education, University and Research (MIUR): ASN	Appointed Associated Professor in Medicinal chemistry (Abilitazione)

			Scientifica Nazionale, Professore II fascia, 03/D1 CHIM/08)
01/11/2019	To date	Department of Chemistry and Technology of Drugs, Sapienza University of Rome	RTD A) in Medicinal chemistry (CHIM/08)
01/11/2018	31/10/2019	Department of Chemistry and Technology of Drugs, Sapienza University of Rome	Post-doc researcher
01/01/2015	31/10/2015	Department of Chemistry and Technology of Drugs, Sapienza University of Rome	Research fellow
20/10/2018	26/01/2019	Department of Chemistry and Biochemistry of Faculty of Sciences, University of Porto, Prof.ssa Fernanda Borges' Laboratory.	PhD student/ Post-doc researcher
01/11/2015	30/10/2018	Faculty of Pharmacy, Sapienza University of Rome	PhD student

Part IV – Teaching experience

Year	Institution	Lecture/Course
11/2015 - 10/2018	Department of Chemistry and Technology of Drugs, Sapienza University of Rome	Teaching assistant for the realization of the teaching laboratory of the course “Analisi chimico farmaceutica e tossicologica III” (course leader Prof. Daniela Secci). Currently, he is a member of the Examination board for the same course
10/2020 to date	University “Cattolica del Sacro Cuore, A. Gemelli”, faculty of Pharmacy (master’s degree)	Lecturer and member of the Examination board of the course “Analisi Chimico Farmaceutica e Tossicologica con laboratorio (analisi qualitativa inorganica composti di farmacoepa ufficiale)
10/2020 to date	Department of Chemistry and Technology of Drugs, Sapienza University of Rome	Lecturer and member of the examination board of the course “Laboratorio di estrazione dei composti naturali”
To date	Department of Chemistry and Technology of Drugs, Sapienza University of Rome (master’s degree)	Lecturer and member of the examination board of the course of “Analisi chimico farmaceutica e tossicologica I”

Part V - Society memberships, Awards and Honors

Year	Title
2016 - to date	Member of the Italian Chemical Society (SCI)
2019	FEBS letter poster award. Marconi, G.D.; Gallorini, M.; Carradori, S.; Guglielmi, P. ; Cataldi, A.; Zara, S. “The up regulation of oxidative stress as a potential mechanism of novel MAO-B inhibitors for glioblastoma treatments”.

	7 th FEBS Advanced Lecture Course (FEBS-MPST 2019); Matrix Photobiology, Signalling and Molecular Targets (Porto Heli, Greece). May 2 nd - May 7 th , 2019.
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Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program/role	Grant value
2016	New strategies for carbonic anhydrases inhibition: probenecid-amino acid derivatives as atypical and selective inhibitors of hCA tumor-related isoforms IX and XII	University research project, "Sapienza" University of Rome. Investigator (project code: RG116154CA43723A)	30000 €
2017	Study of stereochemical requirements in the 4-aryl-2-cycloalkylidenhydrazinylthiazole scaffold for the design of selective human monoamine oxidase B inhibitors".	University research project, "Sapienza" University of Rome. Investigator (project code: RM11715C7D287ABC)	13000 €
2018	Design, synthesis and biological activity of new benzofuran derivatives as dual-target-directed monoamine oxidase B (MAO-B) and Acetylcholinesterase (AChE) inhibitors for neurodegenerative disorders	University research project, "Sapienza" University of Rome. Investigator (project code: RM11816430F99D5D)	14000 €
2019	Novel saccharin-based and acesulfame-based selective inhibitors of the tumor-associated human carbonic anhydrases IX and XII. Synthesis, biological evaluation and SPR studies".	University research project, "Sapienza" University of Rome. Investigator (project code: RG11916B83728407)	38000 €
2019	Design, sintesi e caratterizzazione di materiali compositi a base di metal organic frameworks da utilizzare nella separazione di miscele gassose	MiSE-ENEA Program Agreement on Electricity System Research Three-year Realization Plan 2019-2021 (Accordo di Programma MiSE-ENEA sulla Ricerca di Sistema Elettrico Piano Triennale di Realizzazione 2019-2021 Investigator).	80000 €
2020	COVID-19: Approaches for antiviral drug development	University research project, "Sapienza" University of Rome. Investigator (project code: PH120172B4BA8CAF)	50000 €

Part VII – Research Activities

Keywords	Brief Description
Cancer, Carbonic Anhydrases	Design and synthesis of selective inhibitors of the tumor-related isoforms IX and XII of the human Carbonic Anhydrase (hCA IX, hCA XII).
Alzheimer's and	Design and synthesis of human monoaminoxidase (hMAO-A / hMAO-

Parkinson's diseases, human Monoamine Oxidases (hMAO)	B)inhibitors.
Cancer, Kinesin Eg5	Design and synthesis of antitumoral compounds targeting Eg5 kinesin.
Metal-organic frameworks	Design, synthesis and physical-chemical characterization of novel metal-organic frameworks (MOFs) for biomedical applications.
Microwave assisted reaction/extraction	Use of microwave in organic synthesis and extraction processes.
Monoclonal antibody, plant extraction, purification	Extraction, purification, and characterization of monoclonal antibody (mAb) obtained from transgenic plants

Part VIII – Summary of Scientific Achievements

VIIIA – Publications (Data updated to 29/09/2021)

Product type	Number	Data Base	Start	End
Papers [international]	32	Scopus	2015	2021
Chapter Books [scientific]	2	Scopus	2019	2021

Total Impact factor	135.356 (Journal citation Reports)
Total Citations	476 (Scopus)
Average Citations per Product	14 (Scopus)
Hirsch (H) index	13 (Scopus)
Normalized H index*	2.17

*H index divided by the academic seniority (time span from first publication on Scopus)

VIIIB – Conference communications

Product type	Number
Oral communications	3
Poster communications	4

Scientific Profiles	
<i>Database</i>	ID
Scopus	7003900564
ORCID	https://orcid.org/0000-0001-5701-6925

Part IX– Selected Publications

List of the publications selected for the evaluation. For each publication report title, authors, reference data, journal IF (if applicable), citations, press/media release (if any).

1	<p>Authors: Sisto, F.; Carradori, S.; <u>Guglielmi, P.</u>; Spano, M.; Secci, D.; Granese, A.; Sobolev, A.P.; Grande, R.; Campestre, C.; Di Marcantonio, M.C.; Mincione, G.</p> <p>Title: Synthesis and Evaluation of Thymol-Based Synthetic Derivatives as Dual-Action Inhibitors against Different Strains of <i>H. pylori</i> and AGS Cell Line.</p> <p>Journal: <i>Molecules</i> 2021, 26, 1829.</p> <p>DOI: 10.3390/molecules26071829</p> <p>Journal IF (data of publication) = 4.411 (Journal Citation Reports) Journal IF (current 2020) = 4.411 (Journal Citation Reports) Citations = 2 (Scopus)</p>
2	<p>Authors: Berrino, E.; Carradori, S.; Angeli, A.; Carta, F.; Supuran, C.T.; <u>Guglielmi, P.</u>; Coletti, C.; Paciotti, R.; Schweikl, H.; Maestrelli, F.; Cerbai, E.; Gallorini, M.</p> <p>Title: Dual Carbonic Anhydrase IX/XII Inhibitors and Carbon Monoxide Releasing Molecules Modulate LPS-Mediated Inflammation in Mouse Macrophages.</p> <p>Journal: <i>Antioxidants</i> 2021, 10, 56.</p> <p>DOI: 10.3390/antiox10010056</p> <p>Journal IF (data of publication) = 6.312 (Journal Citation Reports) Journal IF (current) = 6.312 (Journal Citation Reports) Citations = 6 (Scopus)</p>
3	<p>Authors: Mathew, B.; Carradori, S.; <u>Guglielmi, P.</u>; Uddin, M.S.; Kim, H.</p> <p>Title: New Aspects of Monoamine Oxidase B Inhibitors: The Key Role of Halogens to Open the Golden Door.</p> <p>Journal: <i>Current Medicinal Chemistry</i> 2021, 28, 266–283.</p> <p>DOI: 10.2174/0929867327666200121165931</p> <p>Journal IF (data of publication) = 4.530 (Journal Citation Reports) Journal IF (current) = 4.530 (Journal Citation Reports) Citations = 8 (Scopus)</p>
4	<p>Authors: <u>Guglielmi, P.</u>; Pontecorvi, V.; Rotondi, G.</p> <p>Title: Natural compounds and extracts as novel antimicrobial agents.</p> <p>Journal: <i>Expert Opinion on Therapeutic Patents</i> 2020, 30, 949–962.</p> <p>DOI: 10.1080/13543776.2020.1853101</p> <p>Journal IF (data of publication) = 6.674 (Journal Citation Reports) Journal IF (current) = 6.674 (Journal Citation Reports) Citations = 1 (Scopus)</p>
5	<p>Authors: Sisto, F.; Carradori, S.; <u>Guglielmi, P.</u>; Traversi, C.B.; Spano, M.; Sobolev, A.P.; Secci, D.; Di Marcantonio, M.C.; Haloci, E.; Grande, R.; Mincione, G.</p> <p>Title: Synthesis and Biological Evaluation of Carvacrol-Based Derivatives as Dual Inhibitors of <i>H. Pylori</i> Strains and AGS Cell Proliferation.</p> <p>Journal: <i>Pharmaceuticals</i> 2020, 13, 405</p> <p>DOI: 10.3390/ph13110405</p>

	<p>Journal IF (data of publication) = 5.863 (Journal Citation Reports) Journal IF (current) = 5.863 (Journal Citation Reports) Citations = 4 (Scopus)</p>
6	<p>Authors: Veschi, S.; Carradori, S.; De Lellis, L.; Florio, R.; Brocco, D.; Secci, D.; <u>Guglielmi, P.</u>; Spano, M.; Sobolev, A.P.; Cama, A. Title: Synthesis and evaluation of a large library of nitroxoline derivatives as pancreatic cancer antiproliferative agents. Journal: <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> 2020, 35, 1331–1344. DOI: 10.1080/14756366.2020.1780228</p> <p>Journal IF (data of publication) = 5.051 (Journal Citation Reports) Journal IF (current) = 5.051 (Journal Citation Reports) Citations = 3 (Scopus)</p>
7	<p>Authors: <u>Guglielmi, P.</u>; Rotondi, G.; Secci, D.; Angeli, A.; Chimenti, P.; Nocentini, A.; Bonardi, A.; Gratteri, P.; Carradori, S.; Supuran, C.T. Title: Novel insights on saccharin- and acesulfame-based carbonic anhydrase inhibitors: design, synthesis, modelling investigations and biological activity evaluation. Journal: <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> 2020, 35, 1891–1905. DOI: 10.1080/14756366.2020.1828401</p> <p>Journal IF (data of publication) = 5.051 (Journal Citation Reports) Journal IF (current) = 5.051 (Journal Citation Reports) Citations = 3 (Scopus)</p>
8	<p>Authors: <u>Guglielmi, P.</u>; Mathew, B.; Secci, D.; Carradori, S. Title: Chalcones: Unearthing their therapeutic possibility as monoamine oxidase B inhibitors. Journal: <i>European Journal of Medicinal Chemistry</i> 2020, 205, 112650. DOI: 10.1016/j.ejmech.2020.112650</p> <p>Journal IF (data of publication) = 6.514 (Journal Citation Reports) Journal IF (current) = 6.514 (Journal Citation Reports) Citations = 15 (Scopus)</p>
9	<p>Authors: D'Ascenzio, M.; Secci, D.; Carradori, S.; Zara, S.; <u>Guglielmi, P.</u>; Cirilli, R.; Pierini, M.; Poli, G.; Tuccinardi, T.; Angeli, A.; Supuran, C.T. Title: 1,3-Dipolar Cycloaddition, HPLC Enantioseparation, and Docking Studies of Saccharin/Isoxazole and Saccharin/Isoxazoline Derivatives as Selective Carbonic Anhydrase IX and XII Inhibitors. Journal: <i>Journal of Medicinal Chemistry</i> 2020, 63, 2470–2488. DOI: 10.1021/acs.jmedchem.9b01434</p> <p>Journal IF (data of publication) = 7.446 Journal IF (current) = 7.446 Citations = 11 (Scopus)</p>

10	<p>Authors: Carradori, S.; Secci, D.; <u>Guglielmi, P.</u>; Pierini, M.; Cirilli, R. Title: High-performance liquid chromatography enantioseparation of chiral 2-(benzylsulfinyl)benzamide derivatives on cellulose tris(3,5-dichlorophenylcarbamate) chiral stationary phase. Journal: <i>Journal of Chromatography A</i> 2020, 1610, 460572. DOI: 10.1016/j.chroma.2019.460572</p> <p>Journal IF (data of publication) = 4.759 Journal IF (current) = 4.759 Citations = 3 (Scopus)</p>
11	<p>Authors: Marconi, G.D.; Carradori, S.; Ricci, A.; <u>Guglielmi, P.</u>; Cataldi, A.; Zara, S. Title: Kinesin Eg5 targeting inhibitors as a new strategy for gastric adenocarcinoma treatment. Journal: <i>Molecules</i> 2019, 24, 3948. DOI:10.3390/molecules24213948</p> <p>Journal IF (data of publication) = 3.267 Journal IF (current) = 4.411 Citations = 6 (Scopus)</p>
12	<p>Authors: <u>Guglielmi, P.</u>; Carradori, S.; Ammazalorso, A.; Secci, D. Title: Novel approaches to the discovery of selective human monoamine oxidase-B inhibitors: is there room for improvement? Journal: <i>Expert Opinion on Drug Discovery</i> 2019, 14, 995–1035. DOI:10.1080/17460441.2019.1637415</p> <p>Journal IF (data of publication) = 4.887 Journal IF (current) = 6.098 Citations = 20 (Scopus)</p>
13	<p>Authors: Rotondi, G.; <u>Guglielmi, P.</u>; Carradori, S.; Secci, D.; De Monte, C.; De Filippis, B.; Maccallini, C.; Amoroso, R.; Cirilli, R.; Akdemir, A.; Angeli, A.; Supuran, C.T. Title: Design, synthesis and biological activity of selective hCAs inhibitors based on 2-(benzylsulfinyl)benzoic acid scaffold. Journal: <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> 2019, 34, 1400–1413. DOI:10.1080/14756366.2019.1651315</p> <p>Journal IF (data of publication) = 4.673 Journal IF (current) = 5.051 Citations = 11 (Scopus)</p>
14	<p>Authors: <u>Guglielmi, P.</u>; Secci, D.; Petzer, A.; Bagetta, D.; Chimenti, P.; Rotondi, G.; Ferrante, C.; Recinella, L.; Leone, S.; Alcaro, S.; Zengin, G.; Petzer, J.P.; Ortuso, F.; Carradori, S. Title: Benzo[<i>b</i>]tiophen-3-ol derivatives as effective inhibitors of human monoamine oxidase: design, synthesis, and biological activity. Journal: <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> 2019, 34, 1511–1525. DOI:10.1080/14756366.2019.1653864</p> <p>Journal IF (data of publication) = 4.673 (Journal Citation Reports) Journal IF (current) = 5.051 (Journal Citation Reports) Citations = 5 (Scopus)</p>

15	<p>Authors: <u>Guglielmi, P.</u>; Carradori, S.; Campestre, C.; Poce, G. Title: Novel therapies for glaucoma: a patent review (2013-2019). Journal: <i>Expert Opinion on Therapeutic Patent</i> 2019, 29, 769–780. DOI:10.1080/13543776.2019.1653279</p> <p>Journal IF (data of publication) = 5.611 (Journal Citation Reports) Journal IF (current) = 6.674 (Journal Citation Reports) Citations = 9 (Scopus)</p>
16	<p>Authors: Marconi, G.D.; Gallorini, M.; Carradori, S.; <u>Guglielmi, P.</u>; Cataldi, A.; Zara, S. Title: The Up-Regulation of Oxidative Stress as a Potential Mechanism of Novel MAO-B Inhibitors for Glioblastoma Treatment. Journal: <i>Molecules</i> 2019, 24, 2005. DOI: 10.3390/molecules24102005</p> <p>Journal IF (data of publication) = 3.267 (Journal Citation Reports) Journal IF (current) = 4.411 (Journal Citation Reports) Citations = 8 (Scopus)</p>
17	<p>Authors: <u>Guglielmi, P.</u>; Carradori, S.; Poli, G.; Secci, D.; Cirilli, R.; Rotondi, G.; Chimenti, P.; Petzer, A.; Petzer, J.P. Title: Design, Synthesis, Docking Studies and Monoamine Oxidase Inhibition of a Small Library of 1-acetyl- and 1-thiocarbamoyl-3,5-diphenyl-4,5-dihydro-(1<i>H</i>)-pyrazoles. Journal: <i>Molecules</i> 2019, 24, 484. DOI: 10.3390/molecules24030484</p> <p>Journal IF (data of publication) = 3.267 (Journal Citation Reports) Journal IF (current) = 4.411 (Journal Citation Reports) Citations = 13 (Scopus)</p>
18	<p>Authors: Secci, D.; Carradori, S.; Petzer, A.; <u>Guglielmi, P.</u>; D'Ascenzio, M.; Chimenti, P.; Bagetta, D.; Alcaro, S.; Zengin, G.; Petzer, J.P.; Ortuso, F. Title: 4-(3-Nitrophenyl)thiazol-2-ylhydrazone derivatives as antioxidants and selective hMAO-B inhibitors: synthesis, biological activity and computational analysis. Journal: <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> 2019, 34, 597–612. DOI:10.1080/14756366.2019.1571272</p> <p>Journal IF (data of publication) = 4.673 (Journal Citation Reports) Journal IF (current) = 5.051 (Journal Citation Reports) Citations = 22 (Scopus)</p>
19	<p>Authors: Talapatra, S.K.; Tham, C.L.; <u>Guglielmi, P.</u>; Cirilli, R.; Chandrasekaran, B.; Karpoornath, R.; Carradori, S.; Kozielski, F. Title: Crystal structure of the Eg5 - K858 complex and implications for structure-based design of thiadiazole-containing inhibitors. Journal: <i>European Journal of Medicinal Chemistry</i> 2018, 156, 641–651. DOI: 10.1016/j.ejmech.2018.07.006</p> <p>Journal IF (data of publication) = 4.833 (Journal Citation Reports) Journal IF (current) = 6.514 (Journal Citation Reports) Citations = 11 (Scopus)</p>

20	<p>Authors: Bellusci, M.; <u>Guglielmi, P.</u>; Masi, A.; Padella, F.; Singh, G.; Yaacoub, N.; Peddis, D.; Secci, D.</p> <p>Title: Magnetic Metal-Organic Framework Composite by Fast and Facile Mechanochemical Process.</p> <p>Journal: <i>Inorganic Chemistry</i> 2018, 57, 1806–1814.</p> <p>DOI: 10.1021/acs.inorgchem.7b02697</p> <p>Journal IF (data of publication) = 4.850 (Journal Citation Reports) Journal IF (current) = 5.165 (Journal Citation Reports) Citations = 26 (Scopus)</p>
21	<p>Authors: Carradori, S.; Ortuso, F.; Petzer, A.; Bagetta, D.; De Monte, C.; Secci, D.; De Vita, D.; <u>Guglielmi, P.</u>; Zengin, G.; Aktumsek, A.; Alcaro, S.; Petzer, J.P.</p> <p>Title: Design, synthesis and biochemical evaluation of novel multi-target inhibitors as potential anti-Parkinson agents.</p> <p>Journal: <i>European Journal of Medicinal Chemistry</i> 2018, 143, 1543–1552.</p> <p>DOI: 10.1016/j.ejmech.2017.10.050</p> <p>Journal IF (data of publication) = 4.833 (Journal Citation Reports) Journal IF (current) = 6.514 (Journal Citation Reports) Citations = 21 (Scopus)</p>
22	<p>Authors: D’ascenzio, M.; <u>Guglielmi, P.</u>; Carradori, S.; Secci, D.; Florio, R.; Mollica, A.; Ceruso, M.; Akdemir, A.; Sobolev, A.P.; Supuran, C.T.</p> <p>Title: Open saccharin-based secondary sulfonamides as potent and selective inhibitors of cancer-related carbonic anhydrase IX and XII isoforms.</p> <p>Journal: <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> 2017, 32, 51–59.</p> <p>DOI: 10.1080/14756366.2016.1235040</p> <p>Journal IF (data of publication) = 3.638 (Journal Citation Reports) Journal IF (current) = 5.051 (Journal Citation Reports) Citations = 34 (Scopus)</p>
23	<p>Authors: Ferrante, C.; Recinella, L.; Locatelli, M.; <u>Guglielmi, P.</u>; Secci, D.; Leporini, L.; Chiavaroli, A.; Leone, S.; Martinotti, S.; Brunetti, L.; Vacca, M.; Menghini, L.; Orlando, G.</p> <p>Title: Protective Effects Induced by Microwave-Assisted Aqueous Harpagophytum Extract on Rat Cortex Synaptosomes Challenged with Amyloid β-Peptide.</p> <p>Journal: <i>Phytotherapy Research</i> 2017, 31, 1257–1264.</p> <p>DOI: 10.1002/ptr.5850</p> <p>Journal IF (data of publication) = 3.349 (Journal Citation Reports) Journal IF (current) = 5.878 (Journal Citation Reports) Citations = 43 (Scopus)</p>
24	<p>Authors: Ferretti, R.; Carradori, S.; <u>Guglielmi, P.</u>; Pierini, M.; Casulli, A.; Cirilli, R.</p> <p>Title: Enantiomers of triclabendazole sulfoxide: Analytical and semipreparative HPLC separation, absolute configuration assignment, and transformation into sodium salt.</p> <p>Journal: <i>Journal of Pharmaceutical and Biomedical Analysis</i> 2017, 140, 38–44.</p> <p>DOI: 10.1016/j.jpba.2017.03.021</p> <p>Journal IF (data of publication) = 2.831 (Journal Citation Reports) Journal IF (current) = 3.935 (Journal Citation Reports) Citations = 16 (Scopus)</p>

25	<p>Authors: Cirilli, R.; <u>Guglielmi, P.</u>; Formica, F.R.; Casulli, A.; Carradori, S Title: The sodium salt of the enantiomers of ricobendazole: Preparation, solubility and chiroptical properties. Journal: <i>Journal of Pharmaceutical and Biomedical Analysis</i> 2017, 139, 1–7. DOI: 10.1016/j.jpba.2017.01.057</p> <p>Journal IF (data of publication) = 2.831 (Journal Citation Reports) Journal IF (current) = 3.935 (Journal Citation Reports) Citations = 23 (Scopus)</p>
26	<p>Authors: Campestre, C.; Locatelli, M.; <u>Guglielmi, P.</u>; De Luca, E.; Bellagamba, G.; Menta, S.; Zengin, G.; Celia, C.; Di Marzio, L.; Carradori, S. Title: Analysis of imidazoles and triazoles in biological samples after MicroExtraction by packed sorbent. Journal: <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> 2017, 32, 1053–1063. DOI: 10.1080/14756366.2017.1354858</p> <p>Journal IF (data of publication) = 3.638 (Journal Citation Reports) Journal IF (current) = 5.051 (Journal Citation Reports) Citations = 22 (Scopus)</p>
27	<p>Authors: Carradori, S.; Secci, D.; Bizzarri, B.; Chimenti, P.; De Monte, C.; <u>Guglielmi, P.</u>; Campestre, C.; Rivanera, D.; Bordón, C.; Jones-Brando, L. Title: Synthesis and biological evaluation of anti-<i>Toxoplasma gondii</i> activity of a novel scaffold of thiazolidinone derivatives. Journal: <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> 2017, 32, 746–758. DOI: 10.1080/14756366.2017.1316494</p> <p>Journal IF (data of publication) = 3.638 (Journal Citation Reports) Journal IF (current) = 5.051 (Journal Citation Reports) Citations = 10 (Scopus)</p>
28	<p>Authors: Carradori, S.; Gidaro, M.C.; Petzer, A.; Costa, G.; <u>Guglielmi, P.</u>; Chimenti, P.; Alcaro, S.; Petzer, J.P. Title: Inhibition of Human Monoamine Oxidase: Biological and Molecular Modeling Studies on Selected Natural Flavonoids. Journal: <i>Journal of Agricultural and Food Chemistry</i> 2016, 64, 9004–9011. DOI: 10.1021/acs.jafc.6b03529</p> <p>Journal IF (data of publication) = 3.154 (Journal Citation Reports) Journal IF (current) = 5.279 (Journal Citation Reports) Citations = 52 (Scopus)</p>
29	<p>Authors: Carradori, S.; Secci, D.; De Monte, C.; Mollica, A.; Ceruso, M.; Akdemir, A.; Sobolev, A.P.; Codispoti, R.; De Cosmi, F.; <u>Guglielmi, P.</u>; Supuran, C.T. Title: A novel library of saccharin and acesulfame derivatives as potent and selective inhibitors of carbonic anhydrase IX and XII isoforms. Journal: <i>Bioorganic & Medicinal Chemistry</i> 2016, 24, 1095–1105 DOI: 10.1016/j.bmc.2016.01.038</p> <p>Journal IF (data of publication) = 2.930 (Journal Citation Reports) Journal IF (current) = 3.641 (Journal Citation Reports) Citations = 33 (Scopus)</p>

30	<p>Authors: De Monte, C.; Carradori, S.; Secci, D.; D'Ascenzio, M.; Guglielmi, P.; Mollica, A.; Morrone, S.; Scarpa, S.; Aglianò, A.M.; Giantulli, S.; Silvestri, I.</p> <p>Title: Synthesis and pharmacological screening of a large library of 1,3,4-thiadiazolines as innovative therapeutic tools for the treatment of prostate cancer and melanoma.</p> <p>Journal: <i>European Journal of Medicinal Chemistry</i> 2015, <i>105</i>, 245–262.</p> <p>DOI: 10.1016/j.ejmech.2015.10.023</p> <p>Journal IF (data of publication) = 6.514 (Journal Citation Reports)</p> <p>Journal IF (current) = 3.902 (Journal Citation Reports)</p> <p>Citations = 19 (Scopus)</p>
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Part X– Book chapters

1. Carradori, S.; **Guglielmi, P.** Mechanisms of action of carbonic anhydrase inhibitors: Compounds that bind “out of the binding site” and compounds with an unknown mechanism of action; Elsevier Inc., 2019; ISBN 9780128164761.
2. **Guglielmi, P.**; Secci, D.; Rotondi, G.; Simone, C. AN UPDATE ON EG5 KINESIN INHIBITORS FOR THE TREATMENT OF CANCER 2019. In *Advances in Medicinal Chemistry Research*; Ferreira da Silva Júnior, E., Ed.; Nova Science Publishers: Hauppauge, NY, USA, 2019; ISBN 978-1-53616-368-1.
3. Luisi, G.; Carradori, S.; Grande, R.; Secci, D.; **Guglielmi, P.** Antimalarial Agents from Medicinal Plant and Fungal Sources. In *Plant-derived Bioactives*; Swamy, M.K., Ed.; Springer Singapore: Singapore, 2020; pp. 297–334 ISBN 978-981-15-1761-7.
4. Secci, D.; **Guglielmi, P.** Innovative pH-interfering agents in association with anticancer agents. In *ph-Interfering Agents as Chemosensitizers in Cancer Therapy*; 2021; pp. 121–128. ISBN 9780128207017

Part XI– Conference communications

XIA - Oral communications

- **Guglielmi P.**; Rotondi G.; Carradori, S.; Angeli, C.; Secci, D.; Supuran, C.T. “New insights on saccharin- and acesulfame-based carbonic anhydrase inhibitors: design, synthesis and biological activity”, IV satellite meeting on carbonic anhydrase, University of Parma, Parma, Italy. November 14th-17th, 2019.
- **Guglielmi, P.**; Carradori, S.; Rotondi, G.; Chimenti, P.; Petzer, J.P.; Secci D. “Benzo[*b*]tiophen-3-ol derivatives as effective inhibitors of hMAOs: design, synthesis and biological activity”, VIII Meeting of the Paul Ehrlich Euro PhD Network, Faculty of Sciences, Department of Chemistry and Biochemistry, Porto, Portugal. July 12th-14th, 2018.
- **Guglielmi, P.** “New strategies for Carbonic Anhydrases inhibition: probenecid aminoacid derivatives as atypical and selective inhibitors of hCA tumor-related isoforms IX and XII”, New trend in Carbonic Anhydrases research, Dipartimento di Chimica 'Ugo Schiff' (DICUS), Università degli Studi di Firenze UNIF (Montecatini Terme, Italy). May 24th-27th, 2017.

XIB - Poster communications

- **Guglielmi, P.**; “New derivatives of 2-(benzylsulfinyl)benzoic acid as effective Carbonic Anhydrase inhibitors”, 9th BeMM Symposium, Biology and Molecular Medicine PhD School, Sapienza University of Rome, Italy. 13th November 2018.
- **Guglielmi, P.**; Carradori, C.; Secci, D.; Akdemir, A.; Supuran, C.T. “A novel library of saccharin and acesulfame derivatives as potent and selective inhibitors of carbonic anhydrase IX and XII isoforms”, the 11TH International conference on carbonic anhydrase, University of Bucharest Faculty

of Chemistry, Bucharest, Romania. June 27th-30th, 2018.

- D'Ascenzio, M.; **Guglielmi, P.**; Secci, D.; Carradori, S.; Ceruso, M.; Akdemir, A. and Supuran, C. T. "Open saccharin-based secondary sulfonamides as potent and selective inhibitors of cancer-related carbonic anhydrase IX and XII isoforms", XXIV National Meeting in Medicinal Chemistry, University of Perugia, Perugia, Italy. September 11th-14th, 2016.
- Bellusci, M.; Camponi, A.; **Guglielmi, P.**; La Barbera, A.; Masi, A.; Padella, F.; Pentimalli, M. Mechanochemical synthesis of iron-based metal-organic framework: a fast, facile and clean approach to produce high surface area structures useful in biomedical field. Fourth International Conference on Multifunctional, Hybrid and Nanomaterials", tenutosi dal 9/03/2015 al 13/03/2015 a Sitges (Spain).

Part XII – Other Scientific Achievements

XIIA - Editorial Board Member

June 2016 to date: Associate Editorial Board Member for the *Anti-Inflammatory & Anti-Allergy Agents in Medicinal Chemistry* Journal.

XIIB - Peer reviewer for international journals:

- Journal of enzyme inhibition and medicinal chemistry
- Molecules
- Pharmaceuticals
- International journal of molecular sciences
- Monatshefte für Chemie - Chemical Monthly

XIIC – Attendance to industrial project

Attendance to the project "Applicazione della tecnologia PAT-NIR ai processi di granulazione ed essiccamento di farmaci solido-orali su impianti a letto fluido per la determinazione in process del particle size e del contenuto di umidità nei granulati finali", contributing to the study and evaluation report writing entitled "PAT/NIR application on fluid bed dryer granulation step" for the Global Pharmaceutical Supply Group (GPSG).

Part XIII - Workshop, convention and meeting participation

- "Nuovi orientamenti per la protezione e la sicurezza del lavoro nei laboratori scientifici, didattici e di ricerca", Department of Chemistry and Technology of Drugs, Sapienza University of Rome (Rome, Italy). July 7th, 2015.
- "Chiritaly", Department of Chemistry and Technology of Drugs, Sapienza University of Rome (Rome, Italy). September 08th-10th, 2015.
- "Come scrivere una proposta in Horizon 2020", Sapienza University of Rome (Rome, Italy). May 23rd, 2016.
- "XXIV National meeting in medicinal chemistry and 10th young medicinal chemists' symposium" (Perugia, Italy). November 11th-14th, 2016.

- “La Canapa Industriale”, Department of Chemistry and Technology of Drugs, Sapienza University of Rome (Rome, Italy). March 17th, 2017.
- “3rd satellite meeting on carbonic anhydrase, new trend in carbonic anhydrases research” (Montecatini Terme, Italy). April 24th-27th, 2017.
- “22° Corso di spettrometria di massa 2018” (Siena, Italy). March 12th-16th, 2018.
- “Software LabSolution LC” (Milano, Italy). June 12th-13th, 2018.
- “Applicazioni della risonanza magnetica nella scienza degli alimenti”, Department of Chemistry and Technology of Drugs, Sapienza University of Rome (Rome, Italy). June 21st-22nd, 2018.
- “The 11th international conference on carbonic anhydrases”, Faculty of Chemistry, University of Bucharest (Bucharest, Romania). June 27th-30th, 2018.
- “VIII Meeting of the Paul Ehrlich Euro-PhD Network”, University of Porto (Porto, Portugal). July 12th-14th, 2018.
- “FISV”, Sapienza University of Rome (Rome, Italy). September 18th-21st, 2018.
- “9th BeMM Symposium, Biology and Molecular Medicine PhD School”, Department of Chemistry and Technology of Drugs, Sapienza University of Rome (Rome, Italy). November 13th, 2018.
- “IX Paul Ehrlich Euro-PhD Network & IV MuTaLig COST Action”, (Catanzaro, Italy). June 13th-15th, 2019.
- “Paul Ehrlich (PE) Euro-PhD Network virtual meeting - #PEVM2021”. July 26th-28th, 2021.

I authorize to whom it may concern for using my personal data according with actual and current law.

Date
29/09/2021

Signature
Paolo Guglielmi