

MARTINA BORTOLAMI
Curriculum Vitae

Rome, 07/10/2024

Part I – General Information

Full Name	Martina Bortolami
Spoken Languages	Italian, English

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	2016	Sapienza University of Rome	Master's degree in Pharmacy Thesis title: “Derivati carbamici, ammidici e amminici come nuovi inibitori dell’acetilcolinesterasi: progettazione, sintesi e valutazione dell’attività <i>in vitro</i> ” Final grade: 110/110 <i>cum laude</i>
PhD	2019	Sapienza University of Rome, Department of Chemistry and Technologies of the Drug	Pharmaceutical sciences (XXXII cycle) Thesis title: “Design, synthesis and <i>in vitro</i> evaluation of new cholinesterase inhibitors with metal-chelating and antioxidant properties as multitarget compounds for Alzheimer’s disease” Final grade: ottimo
Licensure	2017	Sapienza University of Rome	Pharmacy

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
01/11/2019	31/03/2020	Department of Basic and Applied Sciences for Engineering, Sapienza University of Rome	Research study grant Organic and electro-organic synthesis of molecules of industrial and pharmaceutical interest
01/04/2020	31/03/2021	Department of Basic and Applied Sciences for Engineering, Sapienza University of Rome	Post-Doc Research fellowship Synthesis and chemical and electrochemical reactivity of molecules of industrial and pharmaceutical interest
01/04/2021	31/03/2022	Department of Basic and Applied Sciences for Engineering, Sapienza University of Rome	Post-Doc Research fellowship Use of N-heterocyclic carbenes electrogenerated from azole ionic liquids for the conversion of α,β -unsaturated aldehydes to esters
01/04/2022	31/03/2023	Department of Basic and Applied Sciences for Engineering, Sapienza University of Rome	Post-Doc Research fellowship (renewal) Use of N-heterocyclic carbenes electrogenerated from azole ionic liquids for the conversion of α,β -unsaturated aldehydes to esters
01/04/2023	29/02/2024	Department of Basic and Applied Sciences for Engineering, Sapienza University of Rome	Post-Doc Research fellowship Use of ionic liquids in anodic oxidation and cathodic reduction to conduct organic reactions
01/03/2024	28/02/2025	Department of Basic and Applied Sciences for Engineering, Sapienza University of Rome	Post-Doc Research fellowship ECTA-CD. Electrochemical synthesis, Characterization, Theoretical calculations and Applications of Carbon Dots from bio-based chemicals

IIIB – Other Appointments

Start	End	Institution	Position
2021	ongoing	International Journals	Reviewer for International Journals (Plants; Applied Sciences; Natural Product Research; Molecules; Antioxidants)
2022	2023	Journal <i>Pharmaceuticals</i>	Guest editor
2022	2023	Journal <i>Current Organic Chemistry</i>	Guest editor
2023	ongoing	Journal <i>Frontiers in Chemistry</i>	Review Editor
2024	ongoing	Journal <i>Pharmaceuticals</i>	Guest editor
2024	ongoing	Journal <i>Current Organic Chemistry</i>	Associate Editorial Board Member

Part IV – Teaching experience

Year	Institution	Lecture/Course
2016/2017	Faculty of Civil and Industrial Engineering, Sapienza University of Rome	Tutoring assignment
		Teaching course: Chemistry (SSD: CHIM/07)
		Degree programs: Various
		Hours: 150
2017/2018	Faculty of Civil and Industrial Engineering, Sapienza University of Rome	Tutoring assignment
		Teaching course: Chemistry (SSD: CHIM/07)
		Degree program: Civil Engineering
		Hours: 40
2018/2019	Faculty of Civil and Industrial Engineering, Sapienza University of Rome	Tutoring assignment
		Teaching course: Chemistry (SSD: CHIM/07)
		Degree program: Aerospace Engineering
		Hours: 40
2018/2019	Faculty of Civil and Industrial Engineering, Sapienza University of Rome	Tutoring assignment
		Teaching course: Chemistry (SSD: CHIM/07)
		Degree program: Mechanical Engineering
		Hours: 40
2019/2020	Faculty of Information, Informatics and Statistics Engineering, Sapienza University of Rome	Tutoring assignment
		Teaching course: Chemistry (SSD: CHIM/07)
		Degree program: Management Engineering
		Hours: 30
2019/2020	Faculty of Civil and Industrial Engineering, Sapienza University of Rome	Tutoring assignment
		Teaching course: Chemistry (SSD: CHIM/07)
		Degree program: Chemical Engineering
		Hours: 40
31/10/22	Faculty of Civil and Industrial Engineering, Sapienza University of Rome	Participation as Commissioner in the Master's Session in Nanotechnology Engineering
2022-ongoing	Faculty of Civil and Industrial Engineering, Sapienza University of Rome	Participation in examination boards for the course of Chemistry (SSD: CHIM/07)
	Faculty of Information, Informatics and Statistics Engineering, Sapienza University of Rome	Degree programs: Civil Engineering, Energy Engineering, Electrical Engineering, Electrical Energy Engineering, Environmental and Territorial Engineering, Management Engineering
2023/2024	Faculty of Civil and Industrial Engineering, Sapienza University of Rome (Rieti)	Teaching post
		Teaching course: Elements of chemistry (SSD: CHIM/07) (6 CFU – English)
		Degree program: Sustainable Building Engineering (Bachelor)
		Satisfaction index > 80% (based on OPIS)
2024-ongoing	Department of Astronautics, Electrical and Energy Engineering, Sapienza	Tutoring as co-supervisor of Ph.D. Student Cinzia Michenzi

2024-ongoing	University of Rome	Ph.D. course: Engineering and Applied Science for Energy and Industry
	Faculty of Civil and Industrial Engineering, Sapienza University of Rome (Rieti)	Teaching post
		Teaching course: Elements of chemistry (6 CFU – English) (SSD: CHIM/06 ex CHIM/07)
		Degree program: Sustainable Building Engineering (Bachelor)

Part V - Society memberships, Awards and Honors

Year	Title
2017	Certificate of “Excellent Graduate” at the Faculty of Pharmacy and Medicine a.y. 2015/2016, at Sapienza University of Rome
2021	Qualification of subject expert at the Faculty of Civil and Industrial Engineering, for the triennium 2021 – 2024, for the teaching of Chemistry for Electrical Engineering and Environmental and Territory Engineering, SSD CHIM/07
2021	Winner of scholarship for the participation at the XXVII National Congress of SCI (14-23/09/2021)
2022	Nanomaterials Top 10 Selected Papers in 2022 in the Section “Energy and Catalysis”: “Gold Nanomaterials-Based Electrochemical Sensors and Biosensors for Phenolic Antioxidants Detection: Recent Advances” Nanomaterials 2022, 12(6): 959
2023	Wiley Top Cited Article 2022-2023: “Electrochemical Synthesis of Carbon Quantum Dots” ChemElectroChem 2023, 10(3): e202201104.
2023	Readers’ Choice in Physical Sciences: Advanced Materials Technologies: “Electrochemical Synthesis of Carbon Quantum Dots” ChemElectroChem 2023, 10(3): e202201104.
2020	Invited lecture to NanoInnovation 2020
2022	Keynote lecture to SYNC2022
2022	Keynote lecture to NanoInnovation 2022

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Role	Grant value
2017	Novel selective inhibitors of ribonuclease H function of the HIV-1 reverse transcriptase enzyme	Winner of the University Research Call 2017 – “Progetti di ricerca grandi”, Sapienza University of Rome (I) – PI: Roberta Costi – protocol number: RG11715C7EB6A275	I	
2018	Sviluppo di nuovi inibitori delle colinesterasi con proprietà chelanti e antiossidanti come potenziali agenti multitarget nella terapia del morbo di Alzheimer	Winner of the University Research Call 2018 - Projects for “Avvio alla ricerca”, Sapienza University of Rome (PI) – protocol number: AR118164316B59CC	PI	
2018	Liquidi ionici mono- e	Research Call 2018 – “Progetti	I	

	dicationici: sintesi, caratterizzazione e comportamento elettrochimico	di ricerca medi”, Sapienza University of Rome – PI: Marta Feroci – protocol number: RM11816411D00FB3 (I) Grant used for Post-Doc Research fellowship 2020- 2021		
2019	Sviluppo di nuovi multitarget directed ligands come potenziali agenti nella terapia del morbo di Alzheimer	Winner of the University Research Call 2019 – “Progetti di ricerca piccoli”, Sapienza University of Rome (I) – PI: Luigi Scipione – protocol number: RP11916B6ECA91C1	I	
2020	Studi elettrochimici, di sintesi e di applicazione su bio-based materials: le basi azotate puriniche degli acidi nucleici e loro derivati	Winner of the University Research Call 2020 – “Progetti di ricerca medi”, Sapienza University of Rome (I) – PI: Isabella Chiarotto – protocol number: RM120172A8223162	I	
2021	Generazione elettrochimica di acidi di Lewis in liquidi ionici	Winner of the University Research Call 2021 – “Progetti di ricerca medi”, Sapienza University of Rome (I) – PI: Marta Feroci – protocol number: RM12117A339284EE	I	
2022	ECTA-CD. Electrochemical synthesis, Characterization, Theoretical calculations and Applications of Carbon Dots from bio-based chemicals	Winner of the University Research Call 2022 – “Progetti di ricerca grandi”, Sapienza University of Rome (I) – PI: Stefano Vecchio Cipriotti – protocol number: RG1221815C353275	I	
2022	Exploring metallophore- antibiotic conjugates as a novel antimicrobial strategy that exploits Pseudomonas aeruginosa zinc dependence	Winner of the PRIN 2022 – (I) – PI: Andrea Battistoni – Protocol number: 2022E57Z3K_002	I	(operating unit)
2023	Electrochemically synthesized prolinated Carbon Dots: organocatalysts in the Mannich reaction	Winner of the University Research Call 2023 – “Progetti di ricerca piccoli”, Sapienza University of Rome (I) – PI: Marta Feroci – protocol number: RP123188D2918E8F	I	
2023	Liquidi ionici come solventi green per la reazione di idratazione degli alchini	Winner of the University Research Call 2023 - Projects for “Avvio alla ricerca”,	PI	

catalizzata dal trifluoruro di boro	Sapienza University of Rome (PI) – protocol number: AR2231888B348944	
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Part VII – Research Activities

Keywords	Brief Description
Pharmaceutical chemistry	Design, synthesis, purification and characterization of new molecules in the field of pharmaceutical chemistry.
Cholinesterase inhibitors	New compounds: design based on the desired targets or pharmaceutical actions; synthesis and purification based on classical organic synthesis or microwave assisted procedures. Characterization by NMR, IR, MS.
Multi-functional compounds	Assessment of <i>in vitro</i> cholinesterase inhibition by the spectrophotometric Ellman method.
Anti-Heparanase Activity	Evaluation of antioxidant activity by DPPH spectrophotometric method.
Chelating derivatives	Chelation studies of pharmaceutical compounds with metal ions by spectrophotometric methods (titration curves, Job's plot).
Anti-microbial activity	
Naegleria fowleri-Specific CYP51 Inhibitors	
Natural matrices	Phytochemical characterization of natural matrices (low alcoholic craft beers, radler beers, malt spent grain, <i>Agropyron repens</i> (L.) P. Beauv. rhizome herbal tea, <i>Vinca sardoa</i> (Stearn) Pignatti) by HPLC-PDA-ESI-MS/MS analysis.
Metabolic Profile	Analyses by tandem mass spectrometry (MS/MS) by direct infusion (positive and negative ESI-MS/MS infusion experiments, fragmentation data obtained in daughter scans).
Phenolic Content	Qualitative and quantitative analyses by HPLC-PDA-ESI-MS/MS.
Antioxidant Capacity	Method validation: calibration curves; limit of detection (LOD) and quantitation (LOQ); recovery test; matrix effect.
Organic electrosynthesis	Application of ionic liquids as alternative solvents and/or catalysts in organic chemistry and in electrochemistry.
Organic synthesis	Electrogeneration of N-heterocyclic carbenes (NHCs) from imidazolium ionic liquids and applications in organic reactions; electrogeneration of the Lewis acid boron trifluoride (BF ₃) from tetrafluoroborate-based ionic liquids and applications in organic reactions.
Cyclic voltammetries	Electrosynthesis in potentiostatic and galvanostatic conditions.
Carbon dots	Electrochemical and microwave assisted preparation of chiral and achiral carbon dots.
Stereoselective Synthesis	Application of carbon dots as nano-organocatalysts in stereoselective reactions.
Electrochemical sensing	Application of carbon dots in the electrochemical sensing for the determination of theophylline, caffeine, tryptophan in natural matrices.

List of publications

For each Journal, the Impact Factor (IF) and the Category Quartile (Q) (rank by Journal Impact Factor, Source: Journal Citation Reports) are related to the publication year (or to 2023 for articles published in 2024). The symbol “*” evidence the publications where Martina Bortolami is corresponding author. Citations are referred to Scopus Database (07/10/2024).

1	“Comparative Studies on Nanocellulose as a Bio-Based Consolidating Agent for Ancient Wood” Fornari A., Rocco D., Mattiello L., <u>Bortolami M.</u>, Rossi M., Bergamonti L., Graiff C., Bani S., Morresi F., Pandolfi F. <i>Appl. Sci.</i> 2024, 14(17): 7964. doi: 10.3390/app14177964. IF2023: 2.5 Citations: 0 Q1 Engineering, Multidisciplinary (2023) Q2 Chemistry, Multidisciplinary (2023)
2	“Fast and Reliable On-Site Quality Assessment of Essential Raw Brewing Materials Using MicroNIR and Chemometrics” Gullifa G., Albertini C., Papa E., Petrucci R., Di Matteo P., <u>Bortolami M.</u>, Materazzi S., Risoluti R. <i>Foods</i> 2024, 13(17): 2728. doi: 10.3390/foods13172728. IF2023: 4.7 Citations: 0 Q1 Food Science & Technology (2023)
3	“Electrochemical Determination of Tryptophan Based on Gly@CDs Clusters Modified Glassy Carbon Electrode” <u>Bortolami M.</u>*, Di Matteo P., Mastroilli P., Petrucci R., Trani A., Vetica F., Feroci M., Curulli A.* <i>Chemosensors</i> 2024, 12(8): 149. doi: 10.3390/chemosensors12080149. IF2023: 3.7 Citations: 0 Q2 Chemistry, Analytical (2023) Q2 Electrochemistry (2023) Q1 Instruments & Instrumentation (2023)
4	“Carbon Dots in Enantioselective Sensing” <u>Bortolami M.</u>, Curulli A., Di Matteo P., Petrucci R., Feroci M. <i>Sensors</i> 2024, 24(12): 3945. doi: 10.3390/s24123945. IF2023: 3.4 Citations: 0 Q2 Chemistry, Analytical (2023) Q2 Electrochemistry (2023) Q2 Instruments & Instrumentation (2023)
5	“1-Butyl-3-methylimidazolium tetrafluoroborate as suitable solvent for BF₃: the case of alkyne hydration. Chemistry vs electrochemistry” David M., Galli E., Brown R.C.D., Feroci M., Vetica F., <u>Bortolami M.</u>* <i>Beilstein J. Org. Chem.</i> 2023, 19: 1966–1981. doi: 10.3762/bjoc.19.147. IF2023: 2.2 Citations: 1 Q2 Chemistry, Organic (2023)
6	“Miconazole-like Scaffold is a Promising Lead for <i>Naegleria fowleri</i>-Specific CYP51 Inhibitors” Sharma V., Madia V.N., Tudino V., Nguyen J.V., Debnath A., Messori A., Ialongo D., Patacchini E., Palencia I., Basili Franzin S., Seguelia L., Esposito G., Petrucci R., Di Matteo P., <u>Bortolami M.</u>, Saccoliti F., Di Santo R., Scipione L., Costi R., Podust L.M. <i>J. Med. Chem.</i> 2023, 66(24): 17059–17073. doi: 10.1021/acs.jmedchem.3c01898. IF2023: 6.8 Citations: 2 Q1 Chemistry, Medicinal (2023)

7	“Electrochemical Sensing Platform Based on Carbon Dots for the Simultaneous Determination of Theophylline and Caffeine in Tea” Di Matteo P., Trani A., <u>Bortolami M.</u>, Feroci M., Petrucci R., Curulli A. <i>Sensors</i> 2023, 23(18): 7731. doi: 10.3390/s23187731. IF2023: 3.4 Citations: 7 Q2 Chemistry, Analytical (2023) Q2 Electrochemistry (2023) Q2 Instruments & Instrumentation (2023)
8	“Organocatalyzed Mannich reaction: Electrochemically synthesized prolinated carbon dots vs. prolinated graphene oxide” <u>Bortolami M.</u>*, Rocco D., Simonis B., Feroci M., Vetica F.* <i>Synth. Commun.</i> 2023, 53(19): 1647–1663. doi: 10.1080/00397911.2023.2241092. IF2023: 1.8 Citations: 3 Q3 Chemistry, Organic (2023)
9	“Phytochemical Analysis and <i>In Vitro</i> Antileukemic Activity of Alkaloid-Enriched Extracts from <i>Vinca sardoa</i> (Stearn) Pignatti” De Vita D., Frezza C., Sciubba F., Toniolo C., Badiali C., Petrucci R., <u>Bortolami M.</u>, Di Matteo P., Rocco D., Stringaro A., Colone M., Maxia A., Petrucci M.T., Serafini M., Foddai S. <i>Molecules</i> 2023, 28(15): 5639. doi: 10.3390/molecules28155639. IF2023: 4.2 Citations: 0 Q2 Biochemistry & Molecular Biology (2023) Q2 Chemistry, Multidisciplinary (2023)
10	“Electrochemical Synthesis of Carbon Quantum Dots” Rocco D., Moldoveanu V. G., Feroci M., <u>Bortolami M.</u>*, Vetica F.* <i>ChemElectroChem</i> 2023, 10(3): e202201104. doi: 10.1002/celec.202201104. IF2023: 3.5 Citations: 52 Q2 Electrochemistry (2023)
11	“Phytochemical Characterization of Malt Spent Grain by Tandem Mass Spectrometry Also Coupled with Liquid Chromatography: Bioactive Compounds from Brewery By-Products” Di Matteo P., <u>Bortolami M.</u>, Curulli A., Feroci M., Gullifa G., Materazzi S., Risoluti R., Petrucci R. <i>Front. Biosci. (Landmark Ed)</i> 2023, 28(1): 3. doi: 10.31083/j.fbl2801003. IF2023: 3.3 Citations: 5 Q2 Biochemistry & Molecular Biology (2023) Q3 Cell Biology (2023)
12	“Differential scanning calorimetry (DSC) as a tool for studying thermal properties of a crude cellulase cocktail” Di Matteo P., Luziatelli F., <u>Bortolami M.</u>, Mele M.L., Ruzzi M., Russo P. <i>Chem. Pap.</i> 2023, 77(5): 2689–2696. doi: 10.1007/s11696-022-02658-3. IF2023: 2.1 Citations: 3 Q3 Chemistry, Multidisciplinary (2023)
13	“Electrochemical Bottom-Up Synthesis of Chiral Carbon Dots from L-Proline and Their Application as Nano-Organocatalysts in a Stereoselective Aldol Reaction” <u>Bortolami M.</u>, Bogles I.I., Bombelli C., Pandolfi F., Feroci M., Vetica F. <i>Molecules</i> 2022, 27(16): 5150. doi: 10.3390/molecules27165150. IF2022: 4.6 Citations: 18 Q2 Biochemistry & Molecular Biology (2022) Q2 Chemistry, Multidisciplinary (2022)
14	“Metabolic Profile of <i>Agropyron repens</i> (L.) P. Beauv. Rhizome Herbal Tea by HPLC-PDA-ESI-

	MS/MS Analysis” <u>Bortolami M.</u>, Di Matteo P., Rocco D. Feroci M., Petrucci R. <i>Molecules</i> 2022, 27(15): 4962. doi: 10.3390/molecules27154962. IF2022: 4.6 Citations: 6 Q2 Biochemistry & Molecular Biology (2022) Q2 Chemistry, Multidisciplinary (2022)
15	“Free <i>N</i>-heterocyclic carbenes from Brønsted acidic ionic liquids: direct detection by electrospray ionization mass spectrometry” Salvitti C., Pepi F., Managò M., <u>Bortolami M.</u>, Michenzi C., Chiarotto I., Troiani A., de Petris G. <i>Rapid Commun. Mass Spectrom.</i> 2022, 36(17): e9338. doi: 10.1002/rcm.9338. IF2022: 2.0 Citations: 5 Q3 Chemistry, Analytical (2022) Q3 Spectroscopy (2022)
16	“Targeted phenolic profile of radler beers by HPLC-ESI-MS/MS: the added value of hesperidin to beer antioxidants” Di Matteo P., <u>Bortolami M.</u>, Di Virgilio L., Petrucci R. <i>J. Food Sci. Technol.</i> 2022, 59(11): 4553–4562. doi: 10.1007/s13197-022-05536-8. IF2022: 3.1 Citations: 4 Q2 Food Science & Technology (2022)
17	“Design, Synthesis, and <i>In Vitro</i>, <i>In Silico</i> and <i>In Cellulo</i> Evaluation of New Pyrimidine and Pyridine Amide and Carbamate Derivatives as Multi-Functional Cholinesterase Inhibitors” <u>Bortolami M.</u>, Pandolfi F., Tudino V., Messori A., Madia V.N., De Vita D., Di Santo R., Costi R., Romeo I., Alcaro S., Colone M., Stringaro A., Espargaró A., Sabatè R., Scipione L. <i>Pharmaceuticals</i> 2022, 15(6): 673. doi: 10.3390/ph15060673. IF2022: 4.6 Citations: 2 Q2 Chemistry, Medicinal (2022) Q2 Pharmacology & Pharmacy (2022)
18	“Evaluation of the Anti-<i>Histoplasma capsulatum</i> Activity of Indole and Nitrofurantoin Derivatives and Their Pharmacological Safety in Three-Dimensional Cell Cultures” Vaso C.O., Bila N.M., Pandolfi F., De Vita D., <u>Bortolami M.</u>, Bonatti J.L.C., de Moraes Silva R.A., Gonçalves L.N.C., Tudino V., Costi R., Di Santo R., Mendes-Giannini M.J.S., Costa-Orlandi C.B., Scipione L., Fusco-Almeida A.M. <i>Pharmaceutics</i> 2022, 14(5): 1043. doi: 10.3390/pharmaceutics14051043. IF2022: 5.4 Citations: 8 Q1 Pharmacology & Pharmacy (2022)
19	“Gold Nanomaterials-Based Electrochemical Sensors and Biosensors for Phenolic Antioxidants Detection: Recent Advances” Petrucci R., <u>Bortolami M.</u>, Di Matteo P., Curulli A. <i>Nanomaterials</i> 2022, 12(6): 959. doi: 10.3390/nano12060959. IF2022: 5.3 Citations: 29 Q2 Chemistry, Multidisciplinary (2022) Q2 Materials Science, Multidisciplinary (2022)
20	“Synthesis and Evaluation of the Antifungal and Toxicological Activity of Nitrofurantoin Derivatives” Vaso C.O., Pandolfi F., Bila N.M., De Vita D., <u>Bortolami M.</u>, Mendes-Giannini M.J.S., Tudino V., Costi R., Costa-Orlandi C.B., Fusco-Almeida A.M., Scipione L. <i>Pharmaceutics</i> 2022, 14(3): 593. doi: 10.3390/pharmaceutics14030593. IF2022: 5.4 Citations: 3 Q1 Pharmacology & Pharmacy (2022)

21	“Organocatalyst Design for the Stereoselective Annulation towards Bicyclic Diketones and Analogues” Vetica F., Pandolfi F., Pettazzoni L., Leonelli F., <u>Bortolami M.</u>* <i>Symmetry</i> 2022, 14(2): 355. doi: 10.3390/sym14020355. IF2022: 2.7 Citations: 7 Q2 Multidisciplinary Sciences (2022)
22	“Recent Advances in Imidazolium-Based Dicationic Ionic Liquids as Organocatalysts: A Mini-Review” Pandolfi F., <u>Bortolami M.</u>, Feroci M., Fornari A., Scarano V., Rocco D. <i>Materials</i> 2022, 15(3): 866. doi: 10.3390/ma15030866. IF2022: 3.4 Citations: 19 Q3 Chemistry, Physical (2022) Q2 Materials Science, Multidisciplinary (2022) Q1 Metallurgy & Metallurgical Engineering (2022)
23	“Electrogenerated BF₃ From Tetrafluoroborate-Based Ionic Liquids Theoretical And Experimental Studies Towards Selective Styrene Oxide Isomerization” <u>Bortolami M.</u>*, Magboo F. Jr. P., Petrucci R., Vetica F., Zollo G., Feroci M.* <i>J. Electrochem. Soc.</i> 2021, 168(11): 115501. doi: 10.1149/1945-7111/ac39e2. IF2021: 4.371 Citations: 8 Q2 Electrochemistry (2021) Q2 Materials Science, Coatings & Films (2021)
24	“New Pyrimidine and Pyridine Derivatives as Multitarget Cholinesterase Inhibitors: Design, Synthesis, and <i>In Vitro</i> and <i>In Cellulo</i> Evaluation” <u>Bortolami M.</u>, Pandolfi F., Tudino V., Messore A., Madia V.N., De Vita D., Di Santo R., Costi R., Romeo I., Alcaro S., Colone M., Stringaro A., Espargaró A., Sabatè R., Scipione L. <i>ACS Chem. Neurosci.</i> 2021, 12(21): 4090–4112. doi: 10.1021/acscchemneuro.1c00485. IF2021: 5.780 Citations: 19 Q2 Biochemistry & Molecular Biology (2021) Q1 Chemistry, Medicinal (2021)
25	“Electrochemistry, a Useful Tool in the Synthesis of Oligothiophenes” Pandolfi F., <u>Bortolami M.</u>, Feroci M., Mattiello L., Scarano V., Rocco D. <i>Curr. Org. Chem.</i> 2021, 25(17): 2028-2036. doi: 10.2174/1385272825666210715104931. IF2021: 2.226 Citations: 5 Q2 Chemistry, Organic (2021)
26	“<i>Salmonella</i> Typhimurium and <i>Pseudomonas aeruginosa</i> Respond Differently to the Fe Chelator Deferiprone and to Some Novel Deferiprone Derivatives” Ammendola S., Secli V., Pacello F., <u>Bortolami M.</u>, Pandolfi F., Messore A., Di Santo R., Scipione L., Battistoni A. <i>Int. J. Mol. Sci.</i> 2021, 22(19): 10217. doi: 10.3390/ijms221910217. IF2021: 6.208 Citations: 5 Q1 Biochemistry & Molecular Biology (2021) Q2 Chemistry, Multidisciplinary (2021)
27	“The Knoevenagel condensation catalysed by ionic liquids: a mass spectrometric insight into the reaction mechanism” Salvitti C., <u>Bortolami M.</u>, Chiarotto I., Troiani A., de Petris G. <i>New J. Chem.</i> 2021, 45(38): 17787–17795. doi: 10.1039/d1nj03594k. IF2021: 3.925 Citations: 13

	Q2 Chemistry, Multidisciplinary (2021)
28	“Alkynes as building blocks, intermediates and products in the electrochemical procedures since 2000” <u>Bortolami M.</u>, Petrucci R., Rocco D., Scarano V., Chiarotto I. <i>ChemElectroChem</i> 2021, 8(19): 3604–3613. doi: 10.1002/celec.202100497. IF2021: 4.782 Citations: 7 Q2 Electrochemistry (2021)
29	“In Situ Anodically Oxidized BMIm-BF₄: A Safe and Recyclable BF₃ Source” <u>Bortolami M.</u>, Mattiello L., Scarano V., Vetica F., Feroci M. <i>J. Org. Chem.</i> 2021, 86(22): 16151–16157. doi: 10.1021/acs.joc.1c00932. IF2021: 4.198 Citations: 12 Q1 Chemistry, Organic (2021)
30	“Step economy in the Stereoselective Synthesis of Functionalized Oxindoles via Organocatalytic Domino/One-pot Reactions” <u>Bortolami M.</u>, Leonelli F., Feroci M., Vetica F. <i>Curr. Org. Chem.</i> 2021, 25(11): 1321–1344. doi: 10.2174/1385272825666210518124845. IF2021: 2.226 Citations: 10 Q2 Chemistry, Organic (2021)
31	“Design, synthesis and biological evaluation of a series of iron and copper chelating deferiprone derivatives as new agents active against <i>Candida albicans</i>” <u>Bortolami M.</u>, Pandolfi F., Messore A., Rocco D., Feroci M., Di Santo R., De Vita D., Costi R., Cascarino P., Simonetti G., Scipione L. <i>Bioorg. Med. Chem. Lett.</i> 2021, 42: 128087. doi: 10.1016/j.bmcl.2021.128087. IF2021: 2.940 Citations: 7 Q2 Chemistry, Organic (2021) Q3 Chemistry, Medicinal (2021)
32	“Electrochemical transformations of methylxanthines in non-aqueous medium” Di Matteo P., <u>Bortolami M.</u>, Feroci M., Scarano V., Petrucci R. <i>ChemElectroChem</i> 2021, 8(15): 2754–2763. doi: 10.1002/celec.202100320. IF2021: 4.782 Citations: 2 Q2 Electrochemistry (2021)
33	“Impact of Dealcoholization by Osmotic Distillation on Metabolic Profile, Phenolic Content, and Antioxidant Capacity of Low Alcoholic Craft Beers with Different Malt Compositions” Petrucci R., Di Matteo P., Sobolev A.P., Liguori L., Albanese D., Proietti N., <u>Bortolami M.</u>, Russo P. <i>J. Agric. Food Chem.</i> 2021, 69(16): 4816–4826. doi: 10.1021/acs.jafc.1c00679. IF2021: 5.895 Citations: 9 Q1 Agriculture, Multidisciplinary (2021) Q1 Chemistry, Applied (2021) Q1 Food Science & Technology (2021)
34	“Organic electrochemistry: Synthesis and functionalization of β-lactams in the twenty-first century” <u>Bortolami M.</u>, Chiarotto I., Mattiello L., Petrucci R., Rocco D., Vetica F., Feroci M. <i>Heterocycl Commun.</i> 2021, 27(1): 32–44. doi: 10.1515/hc-2020-0121. IF2021: 2.000 Citations: 8 Q3 Chemistry, Organic (2021)

35	“Electrogenerated NHCs in Organic Synthesis: Ionic Liquids vs Organic Solvents Effects” Vetica F., <u>Bortolami M.</u>, Petrucci R., Rocco D., Feroci M. <i>Chem. Rec.</i> 2021, 21(9): 2130–2147. doi: 10.1002/tcr.202000178. IF2021: 6.935 Citations: 14 Q2 Chemistry, Multidisciplinary (2021)
36	“Acetylcholinesterase inhibitors for the treatment of Alzheimer’s disease - a patent review (2016-present)” <u>Bortolami M.</u>, Rocco D., Messore A., Di Santo R., Costi R., Madia V.N., Scipione L., Pandolfi F. <i>Expert Opin. Ther. Pat.</i> 2021, 31(5): 399–420. doi: 10.1080/13543776.2021.1874344. IF2021: 6.714 Citations: 37 Q1 Chemistry, Medicinal (2021) Q1 Pharmacology & Pharmacy (2021)
37	“Reaction of Electrogenerated Cyanomethyl Anion with Cyclohexylisocyanate: Synthesis of N-(cyclohexylcarbamoyl)acetamide. An Unexpected Product” Scarano V., <u>Bortolami M.</u>, Pandolfi F., Petrucci R., Rocco D., Zollo G., Feroci M. <i>J. Electrochem. Soc.</i> 2020, 167(15): 155514. doi: 10.1149/1945-7111/abb8f4. IF2020: 4.316 Citations: 2 Q2 Electrochemistry (2021) Q1 Materials Science, Coatings & Films (2021)
38	“New deferiprone derivatives as multi-functional cholinesterase inhibitors: design, synthesis and <i>in vitro</i> evaluation” <u>Bortolami M.</u>, Pandolfi F., De Vita D., Carafa C., Messore A., Di Santo R., Feroci M., Costi R., Chiarotto I., Bagetta D., Alcaro S., Colone M., Stringaro A., Scipione L. <i>Eur. J. Med. Chem.</i> 2020, 198: 112350. doi: 10.1016/j.ejmech.2020.112350. IF2020: 6.514 Citations: 39 Q1 Chemistry, Medicinal (2020)
39	“An Insight into the Reactivity of the Electrogenerated Radical Cation of Caffeine” Feroci M., <u>Bortolami M.</u>, Chiarotto I., Di Matteo P., Mattiello L., Pandolfi F., Rocco D., Petrucci R., <i>Electrochem</i> 2020, 1(1): 44–55. doi: 10.3390/electrochem1010005. IF2020: - Citations: 3
40	“Tegaserod for the Treatment of Irritable Bowel Syndrome” Madia V.N., Messore A., Saccoliti F., Tudino V., De Leo A., De Vita D., <u>Bortolami M.</u>, Scipione L., Pindinello I., Costi R., Di Santo R. <i>Antiinflamm. Antiallergy Agents Med. Chem.</i> 2020, 19(4): 342–369. doi: 10.2174/1871523018666190911121306. IF2020: - Citations: 17
41	“Searching for new agents active against <i>Candida albicans</i> biofilm: A series of indole derivatives, design, synthesis and biological evaluation” Pandolfi F., D’Acerno F., <u>Bortolami M.</u>, De Vita D., Gallo F., De Meo A., Di Santo R., Costi R., Simonetti G., Scipione L. <i>Eur. J. Med. Chem.</i> 2019, 165: 93–106. doi: 10.1016/j.ejmech.2019.01.012. IF2019: 5.573 Citations: 31 Q1 Chemistry, Medicinal (2019)
42	“Novel Symmetrical Benzazoly Derivatives Endowed with Potent Anti-Heparanase Activity” Messore A., Madia V.N., Pescatori L., Saccoliti F., Tudino V., De Leo A., <u>Bortolami M.</u>, De Vita D., Scipione L., Pepi F., Costi R., Rivara S., Scalvini L., Mor M., Ferrara F.F., Pavoni E., Roscilli G., Cassinelli G.,

	Milazzo F.M., Battistuzzi G., Di Santo R., Giannini G. <i>J. Med. Chem.</i> 2018, 61(23): 10834–10859. doi: 10.1021/acs.jmedchem.8b01497. IF2018: 6.054 Citations: 16 Q1 Chemistry, Medicinal (2023)
43	“Novel Benzazole Derivatives Endowed with Potent Antiheparanase Activity” Madia V.N., Messore A., Pescatori L., Saccoliti F., Tudino, V., De Leo A., <u>Bortolami M.</u>, Scipione L., Costi R., Rivara S., Scavini L., Mor M., Ferrara F.F., Pavoni E., Roscilli G., Cassinelli G., Milazzo F.M., Battistuzzi G., Di Santo R., Giannini G. <i>J. Med. Chem.</i> 2018, 61(15): 6918–6936. doi: 10.1021/acs.jmedchem.8b00908. IF2018: 6.054 Citations: 28 Q1 Chemistry, Medicinal (2023)
44	“New pyridine derivatives as inhibitors of acetylcholinesterase and amyloid aggregation” Pandolfi F., De Vita D., <u>Bortolami M.</u>, Coluccia A., Di Santo R., Costi R., Andrisano V., Alabiso F., Bergamini C., Fato R., Bartolini M., Scipione L. <i>Eur. J. Med. Chem.</i> 2017, 141: 197–210. doi: 10.1016/j.ejmech.2017.09.022. IF2017: 4.816 Citations: 35 Q1 Chemistry, Medicinal (2017)
45	“Inhibition of the α-carbonic anhydrase from <i>Vibrio cholerae</i> with amides and sulfonamides incorporating imidazole moieties” De Vita D., Angeli A., Pandolfi F., <u>Bortolami M.</u>, Costi R., Di Santo R., Suffredini E., Ceruso M., Del Prete S., Capasso C., Scipione L., Supuran C.T. <i>J. Enzyme Inhib. Med. Chem.</i> 2017, 32(1): 798–804. doi: 10.1080/14756366.2017.1327522. IF2017: 3.638 Citations: 40 Q1 Chemistry, Medicinal (2017) Q2 Biochemistry & Molecular Biology (2017)

Part VIII – Summary of Scientific Achievements (Data Base: Scopus, 07/10/2024)

Product type	Number	Data Base	Start	End
Papers [international]	45	Scopus	2017	2024
Papers [national]				
Books [scientific]				
Books [teaching]				

Total Impact factor	182.647 (43 papers with IF)
Average Impact Factor per Product	4.25 (182.647/43)
Total Citations	541
Average Citations per Product	12.02 (541/45)
Hirsch (H) index	14
Normalized H index*	2 (14/7)
Number of Products as First Author	15 (33.3%)
Number of Products as Corresponding Author	6 (13.3%)
Number of Products as First and Corresponding Author	3 (6.7%)
Number of Products as Last and Corresponding Author	2 (4.4 %)

*H index divided by the academic seniority.

Part IX– Selected Publications

List of the publications selected for the evaluation. For each Journal, the Impact Factor (IF) and the Category Quartile (Q) (rank by Journal Impact Factor, Source: Journal Citation Reports) are related to the publication year (or to 2023 for articles published in 2024). The symbol “*” evidence the publications where Martina Bortolami is corresponding author. Citations are referred to Scopus Database (07/10/2024).

1. “Comparative Studies on Nanocellulose as a Bio-Based Consolidating Agent for Ancient Wood” Fornari A., Rocco D., Mattiello L., Bortolami M., Rossi M., Bergamonti L., Graiff C., Bani S., Morresi F., Pandolfi F. *Appl. Sci.* **2024**, 14(17): 7964. doi: 10.3390/app14177964.
IF2023: 2.5
Citations: 0
Q1 Engineering, Multidisciplinary (2023)
Q2 Chemistry, Multidisciplinary (2023)
2. “Fast and Reliable On-Site Quality Assessment of Essential Raw Brewing Materials Using MicroNIR and Chemometrics” Gullifa G., Albertini C., Papa E., Petrucci R., Di Matteo P., Bortolami M., Materazzi S., Risoluti R. *Foods* **2024**, 13(17): 2728. doi: 10.3390/foods13172728.
IF2023: 4.7
Citations: 0
Q1 Food Science & Technology (2023)

3. "Electrochemical Determination of Tryptophan Based on Gly@CDs Clusters Modified Glassy Carbon Electrode" Bortolami M.*, Di Matteo P., Mastroilli P., Petrucci R., Trani A., Vetica F., Feroci M., Curulli A.* *Chemosensors* **2024**, 12(8): 149. doi: 10.3390/chemosensors12080149.
IF2023: 3.7
Citations: 0
Q2 Chemistry, Analytical (2023)
Q2 Electrochemistry (2023)
Q1 Instruments & Instrumentation (2023)

4. "Electrochemical Sensing Platform Based on Carbon Dots for the Simultaneous Determination of Theophylline and Caffeine in Tea" Di Matteo P., Trani A., Bortolami M., Feroci M., Petrucci R., Curulli A. *Sensors* **2023**, 23(18): 7731. doi: 10.3390/s23187731.
IF2023: 3.4
Citations: 7
Q2 Chemistry, Analytical (2023)
Q2 Electrochemistry (2023)
Q2 Instruments & Instrumentation (2023)

5. "Phytochemical Analysis and *In Vitro* Antileukemic Activity of Alkaloid-Enriched Extracts from *Vinca sardoa* (Stearn) Pignatti" De Vita D., Frezza C., Sciubba F., Toniolo C., Badiali C., Petrucci R., Bortolami M., Di Matteo P., Rocco D., Stringaro A., Colone M., Maxia A., Petrucci M.T., Serafini M., Foddai S. *Molecules* **2023**, 28(15): 5639. doi: 10.3390/molecules28155639.
IF2023: 4.2
Citations: 0
Q2 Biochemistry & Molecular Biology (2023)
Q2 Chemistry, Multidisciplinary (2023)

6. "Phytochemical Characterization of Malt Spent Grain by Tandem Mass Spectrometry Also Coupled with Liquid Chromatography: Bioactive Compounds from Brewery By-Products" Di Matteo P., Bortolami M., Curulli A., Feroci M., Gullifa G., Materazzi S., Risoluti R., Petrucci R. *Front. Biosci. (Landmark Ed)* **2023**, 28(1): 3. doi: 10.31083/j.fbl2801003.
IF2023: 3.3
Citations: 5
Q2 Biochemistry & Molecular Biology (2023)
Q3 Cell Biology (2023)

7. "Metabolic Profile of *Agropyron repens* (L.) P. Beauv. Rhizome Herbal Tea by HPLC-PDA-ESI-MS/MS Analysis" Bortolami M., Di Matteo P., Rocco D., Feroci M., Petrucci R. *Molecules* **2022**, 27(15): 4962. doi: 10.3390/molecules27154962.
IF2022: 4.6
Citations: 6
Q2 Biochemistry & Molecular Biology (2022)
Q2 Chemistry, Multidisciplinary (2022)

8. "Targeted phenolic profile of radler beers by HPLC-ESI-MS/MS: the added value of hesperidin to beer antioxidants" Di Matteo P., Bortolami M., Di Virgilio L., Petrucci R. *J. Food Sci. Technol.* **2022**, 59(11): 4553–4562. doi: 10.1007/s13197-022-05536-8.
IF2022: 3.1
Citations: 4

Q2 Food Science & Technology (2022)

9. “New Pyrimidine and Pyridine Derivatives as Multitarget Cholinesterase Inhibitors: Design, Synthesis, and *In Vitro* and *In Cellulo* Evaluation” Bortolami M., Pandolfi F., Tudino V., Messore A., Madia V.N., De Vita D., Di Santo R., Costi R., Romeo I., Alcaro S., Colone M., Stringaro A., Espargaró A., Sabatè R., Scipione L. *ACS Chem. Neurosci.* **2021**, 12(21): 4090–4112. doi: 10.1021/acscchemneuro.1c00485.
IF2021: 5.780
Citations: 19
Q2 Biochemistry & Molecular Biology (2021)
Q1 Chemistry, Medicinal (2021)
10. “Design, synthesis and biological evaluation of a series of iron and copper chelating deferiprone derivatives as new agents active against *Candida albicans*” Bortolami M., Pandolfi F., Messore A., Rocco D., Feroci M., Di Santo R., De Vita D., Costi R., Cascarino P., Simonetti G., Scipione L. *Bioorg. Med. Chem. Lett.* **2021**, 42: 128087. doi: 10.1016/j.bmcl.2021.128087.
IF2021: 2.940
Citations: 7
Q2 Chemistry, Organic (2021)
Q3 Chemistry, Medicinal (2021)
11. “Impact of Dealcoholization by Osmotic Distillation on Metabolic Profile, Phenolic Content, and Antioxidant Capacity of Low Alcoholic Craft Beers with Different Malt Compositions” Petrucci R., Di Matteo P., Sobolev A.P., Liguori L., Albanese D., Proietti N., Bortolami M., Russo P. *J. Agric. Food Chem.* **2021**, 69(16): 4816–4826. doi: 10.1021/acs.jafc.1c00679.
IF2021: 5.895
Citations: 9
Q1 Agriculture, Multidisciplinary (2021)
Q1 Chemistry, Applied (2021)
Q1 Food Science & Technology (2021)
12. “New deferiprone derivatives as multi-functional cholinesterase inhibitors: design, synthesis and *in vitro* evaluation” Bortolami M., Pandolfi F., De Vita D., Carafa C., Messore A., Di Santo R., Feroci M., Costi R., Chiarotto I., Bagetta D., Alcaro S., Colone M., Stringaro A., Scipione L. *Eur. J. Med. Chem.* **2020**, 198: 112350. doi: 10.1016/j.ejmech.2020.112350.
IF2020: 6.514
Citations: 39
Q1 Chemistry, Medicinal (2020)

Part X– Contributions to Congresses

List of Dr. Martina Bortolami’s contributions in National (N) and International (I) congresses, reported with an inverted chronological order and divided in:

- A (Oral Contribution – Presenting Author)
 - B (Poster – Presenting Author)
 - C (Poster or Oral Contribution – Co-author) – Only a selection is reported for this category
- A1. [I] 25/06/2024 – “Chiral carbon dots from L-proline: electrochemical synthesis and application as recyclable nano-organocatalysts” Bortolami M., Vetica F., Feroci M., Second

Symposium for YouNg Chemists: Innovation and Sustainability - SYNC 2024, Roma, Sapienza Università di Roma, Dipartimento di Chimica

- A2. [N] 14/06/2024 – “Electrochemically synthesized chiral carbon dots as nano-organocatalysts in stereoselective reactions” Bortolami M., Bogles I.I., Vetica F., Feroci M., X Workshop Nazionale AICIng - Materiali e processi sostenibili nell’ambito di un’economia circolare e di una migliore qualità della vita, Perugia
- A3. [I] 04/09/2023 – “Hydration reaction of alkynes catalyzed by boron trifluoride in ionic liquids” Bortolami M., Vetica F., Galli E., David M., Feroci M., 6th EuChemS Conference on Green and Sustainable Chemistry, Salerno
- A4. [I, **Keynote**] 23/09/2022 - “Carbon dots: synthesis and applications”, Bortolami M. - NanoInnovation 2022, Chiostro di San Pietro in Vincoli, Sapienza Università di Roma – Keynote Speaker
- A5. [I, **Keynote**] 23/06/2022 - “Tetrafluoroborate-based ionic liquids for BF₃ electrogeneration and application in organic reactions”, Bortolami M., Vetica F., Feroci M., First Symposium for YouNg Chemists: Innovation and Sustainability - SYNC 2022, Roma, Sapienza Università di Roma, Dipartimento di Chimica – Keynote Speaker
- A6. [N] 16/06/2022 - “Anodic generation of BF₃ from imidazolium ionic liquids: a safe and effective alternative to commercial etherate form”, Bortolami M., Vetica F., Feroci M., IX Workshop Nazionale AICIng - Chemistry for sustainable materials, Ancona
- A7. [N] 17/09/2021 - “BMIm-BF₄: a versatile ionic liquid for BF₃ generation and reactions”, Bortolami M., Magboo F.Jr.P., Melchiorri S., Scarano V., Vetica F., Feroci M., XXVII Congresso Nazionale della Società Chimica Italiana - la chimica guida lo sviluppo sostenibile, Online edition
- A8. [N] 07/09/2021 - “Sintesi e valutazione *in vitro* e *in cellulo* di nuovi derivati pirimidinici e piridinici come composti multifunzionali per la malattia di Alzheimer”, Bortolami M., Feroci M., Colone M., Stringaro A., Espargaró A., Sabatè Lagunas R., Scipione L., AICIng2021 – XII Congresso Nazionale, Reggio Calabria
- A9. [I, **Invited**] 18/09/2020 - “Dicationic imidazolium ionic liquids: synthesis, electrochemical behaviour, catalytic activity and biological applications”, Bortolami M., Feroci M., NanoInnovation 2020, Chiostro di San Pietro in Vincoli, Sapienza Università di Roma – Invited Speaker
- B1. 11-15/09/2022 - “Electrochemical Synthesis of Carbon Dots and Their Applications”. Bortolami M., Vetica F., Feroci M. (Giornate dell’Elettrochimica Italiana - GEI 2022, Orvieto)
- B2. 05-08/09/2018 - “New multitarget cholinesterase inhibitors with metal-chelating and antioxidant properties for Alzheimer’s disease” Bortolami M., Pandolfi F., Scipione L. (15th Eurasia Conference on Chemical Sciences - EuAsC2S-15, Rome)
- C1. [Poster] 28-30/06/2023 - “Brain-to-plasma distribution coefficient of new miconazole-like scaffold compounds active towards *Naegleria fowleri* by HPLC-ESI-MS/MS (MRM)” Petrucci R., Di Matteo P., Bortolami M., Costi R., Di Santo R., Ialongo D., Madia V.N., Messori A., Patacchini E., Scipione L., Tudino V., Debnath A., Nguyen J.V., Podust L.M., Sharma V., Seguella L., Esposito G., Saccoliti F. (Massa 2023 - Congresso Nazionale della Divisione Spettrometria di Massa SCI, Torino)
- C2. [Poster] 25-28/06/2023 - “Carbon Dots: Electrochemical Synthesis and Applications” Bortolami M., Mattiello L., Vetica F., Feroci M. (XIII Congresso Nazionale AICIng - II Congresso Nazionale Divisione CT Società Chimica Italiana, Milano)
- C3. [Poster] 25-28/06/2023 - “Blood-Brain Barrier (BBB) permeability of new miconazole-like scaffold compounds by HPLC-ESI-MS/MS” Petrucci R., Di Matteo P., Bortolami M., Costi R., Di Santo R., Ialongo D., Madia V.N., Messori A., Patacchini E., Scipione L., Tudino V., Debnath A., Nguyen J.V., Podust L.M., Sharma V., Seguella L., Esposito G., Saccoliti F. (XIII

Congresso Nazionale AICIng - II Congresso Nazionale Divisione CT Società Chimica Italiana, Milano)

- C4. [Oral] 05-07/10/2022 - "Characterization of phenolic and aromatic profiles of Radler beers by HPLC-ESI-MS/MS and GC-MS techniques" Di Matteo P., Bortolami M., Di Virgilio L., Petrucci R. (7th MS FOOD DAY – Firenze)
- C5. [Poster] 05-07/10/2022 - "Metabolic profile of *Agropyron repens* (L.) P. Beauv. Rhizome herbal tea by tandem-mass spectrometry" Bortolami M., Di Matteo P., Feroci M., Rocco D., Petrucci R. (7th MS FOOD DAY – Firenze)
- C6. [Poster] 11-15/09/2022 - "Reaction of Electrogenenerated Cyanomethyl Anion with Cyclohexylisocyanate: Synthesis of *N*-(cyclohexylcarbamoyl) acetamide. An Unexpected Product" Scarano V., Bortolami M., Pandolfi F., Petrucci R., Rocco D., Zollo G., Feroci M. (Giornate dell'Elettrochimica Italiana - GEI 2022, Orvieto)
- C7. [Poster] 11-15/09/2022 - "Acid Lewis catalyzed reactions of electrogenerated BF_3 from BMIm- BF_4 Ionic Liquid" F. Jr. P. Magboo F. Jr. P., Bortolami M., Melchiorri S., Scarano V., Vetica F., Feroci M. (Giornate dell'Elettrochimica Italiana - GEI 2022, Orvieto)
- C8. [Poster] 05-08/09/2021 - "May caffeine interact with coffee antioxidants? A preliminary kinetic study" Bortolami M., Di Matteo P., Pandolfi F., Rocco D., Scarano V., Petrucci R. (AICIng2021 – XII National Congress – Reggio Calabria)
- C9. [Poster] 20-24/06/2021 - "Evaluation of the Anti-*Histoplasma capsulatum* Activity of Indole and Nitrofurane Derivatives and Their Pharmacological Safety in Three-dimensional Cultures" Vaso C.O., Bila N.M., Costa-Orlandi C.B., Bonatti J.L., De Vita D., Pandolfi F., Bortolami M., Silva R.A.M., Taylor M., Mendes-Giannini M.J.S., Scipione L., Fusco-Almeida A.M. (World Microbe Forum — Online Worldwide – An ASM and FEMS Collaboration)
- C10. [Oral] 09/2020 - "Characterization of Natural Methylxanthines Oxidation Products By Mass Spectrometry: a mechanistic study", Petrucci R., Bortolami M., Di Matteo P. (1st online edition MASSA 2020 VIP)
- C11. [Poster] 05-08/09/2018 - "New deferiprone derivatives as multi-factorial cholinesterase inhibitors: design, synthesis and *in vitro* evaluation" Pandolfi F., Bortolami M., Carafa C., Chiarotto I., Feroci M., Zane D., Scipione L. (15th Eurasia Conference on Chemical Sciences - EuAsC2S-15, Rome)

Part XI – Other Activities

XIA – Editorial Activity

- 2024-ongoing **Associate Editorial Board Member** of the journal *Current Organic Chemistry* (Bentham Science).
<https://www.eurekaselect.com/journal/19/editorial-board>
- 2023-ongoing **Review Editor** of the journal *Frontiers in Chemistry* for Medicinal and Pharmaceutical Chemistry (Frontiers).
<https://loop.frontiersin.org/people/2235142/overview>
- 2024-ongoing **Guest editor** of the Special Issue "Emerging Trends in Liquid Chromatography and Mass Spectrometry-Based Analyses of Pharmaceuticals" of the journal *Pharmaceuticals* (MDPI).
https://www.mdpi.com/journal/pharmaceuticals/special_issues/U063221BXM
- 2022-2023 **Co-guest editor** of the thematic issue "Electrochemistry: a versatile tool for Organic Synthesis" of the journal *Current Organic Chemistry* (Bentham Science).
Editorial: "Electrochemistry: A Versatile Tool for Organic Synthesis" Feroci M., Bortolami M., Rocco D., *Curr. Org. Chem.* **2024**, 28, 2. Doi: 10.2174/138527282802240212161146
- 2022-2023 **Guest editor** of the Special Issue "Synergistic Effects of Plant Derivatives with Other Drugs" of the journal *Pharmaceuticals* (MDPI).

https://www.mdpi.com/journal/pharmaceuticals/special_issues/synergistic_effects

XIB – Referee Activity (2021 – ongoing)

Total peer reviews: 21

Journals: Plants (MDPI); Applied Sciences (MDPI); Natural Product Research (TAYLOR & FRANCIS LTD); Molecules (MDPI); Antioxidants (MDPI)

Source: Web of Science