Curriculum Vitae

Personal information

First name/Surname	Bruno Mattia Bizzarri
Address	Via Andrea Mantegna 18/22 (VT) Italy
Telephone	3287382490
E-mail	bm.bizzarri@unitus.it
Nationality	Italian
Date of birth	10/03/1988
Gender	Male

Occupational field

Work experience

Dates	March 2022-present
Title of qualification awarded	Professor of "Green approaches in organic chemistry" in the international PhD program "Molecular design and characterization for the promotion of health and well-being: from drug to food"
Name and type of organisation providing education and training	University of Rome "La Sapienza"

Dates	October 2021-present
Title of qualification awarded	Professor of "Green chemistry" in the PhD program "Ecologia e gestione sostenibile delle risorse ambientali"
Name and type of organisation providing education and training	University of Tuscia

Dates	October 2021-present
Title of qualification awarded	Professor in Laboratory of chemical monitoring of environment (Laboratorio di monitoraggio chimico ambientale - DEB-Scienze biologiche ambientali polo CV) SSD Chim/06
Name and type of organisation providing education and training	University of Tuscia

Dates	March 2021 - present
Title of qualification awarded	Delegate for university orientation

Name and type of organisation providing education and training	University of Tuscia , Department of Ecology and Biology
Dates	October 2020
Title of qualification awarded	Adjunct Professor in Laboratory of chemical monitoring of environment (Docente a contratto in Laboratorio di monitoraggio chimic ambientale -DEB-Scienze biologiche ambientali polo CV) SSD Chim/06
Name and type of organisation providing education and training	University of Tuscia
Dates	October 2020-present
Title of qualification awarded	Professor in Organic Chemistry (Docente in chimica organica -DEB-Scienze biologiche ambientali polo CV) SSD Chim/06
Name and type of organisation providing education and training	University of Tuscia
Dates	March 2020- present
Title of qualification awarded	Professor in Organic Chemistry (Docente in chimica organica -DEB-Scienze ambientali polo CV) SSD Chim/06
Name and type of organisation providing education and training	University of Tuscia
Dates	January 2020 - present
Title of qualification awarded	Delegate for placement and business
Name and type of organisation providing education and training	University of Tuscia , Department of Ecology and Biology
Dates	November 2019- present
Title of qualification awarded	Researcher (Ricercatore a tempo determinato fascia A RTDa) SSD Chim/06
Name and type of organisation providing education and training	University of Tuscia
Dates	October 2018- present
Title of qualification awarded	Adjunct Professor in Inorganic Chemistry (docente a contratto in chimica inorganica) SSD Chim/03
Name and type of organisation providing education and training	University of Tuscia

Dates	October 2017- present
Title of qualification awarded	Tutor/Coach for Organic Chemistry (contratto da esercitatore ITA) SSD Chim/06
Name and type of organisation providing education and training	University of Tuscia
Date	January 2018- November 2019
Occupation	Temporary Research Fellow (Assegnista di ricerca - ITA)
Main activities and responsibilities	Organic chemistry catalysis, analytical chemistry, enzymatic synthesis, drug design, peptide synthesis, prebiotic synthesis.
Name and address of employer	University of Tuscia, Via Camillo de Lellis (VT)
Date	January 2017- December 2017
Occupation	Post-Doc fellowship
Main activities and responsibilities	Organic chemistry, analytical chemistry, enzymatic synthesis, drug design, peptide synthesis, prebiotic synthesis.
Name and address of employer	University of Tuscia, Via Camillo de Lellis (VT)
Date	January 2014 - December 2016
Occupation	Ph.D student
Main activities and responsibilities	Organic chemistry, analytical chemistry, enzymatic synthesis, drug design, peptide synthesis, prebiotic synthesis.
Name and address of employer	University of Tuscia, Via Camillo de Lellis (VT)
Dates	March 2013 -December 2013
Occupation	Scholarship
Main activities and responsibilities	Design and synthesis of new compounds against HIV virus
Name and address of employer	University of Siena - Department of Biotechnology, Chemistry and Pharmacy
Type of business or sector	Medicinal Chemistry
Dates	January 2012 - February 2013
Occupation	Internship in Medicinal Chemistry Lab
Main activities and responsibilities	Design and synthesis of new compounds against HIV virus
Name and address of employer	Università degli studi di Siena - Dipartimento Biotecnologie, chimica e farmacia
Type of business or sector	Medicinal Chemistry

Education and training

Dates	June 2017
Title of qualification awarded	PhD (Green chemistry)

Name and type of organisation providing education and training	University of Tuscia
Dates	2014- 2017
Title of qualification awarded	Teaching assistant in inorganic chemistry and organic chemistry (Culture della materia-ITA)
Name and type of organisation providing education and training	University of Tuscia
Dates	July 2013
Title of qualification awarded	Pharmacist board exam
Name and type of organisation providing education and training	University of Siena
Level in national or international classification	ISCED 5b
Dates	February 2013
Title of qualification awarded	Master in Medicinal Chemistry
Name and type of organisation providing education and training	University of Siena
Level in national or international classification	ISCED 5b

Language

Mother language: Italian

Other language: English

Understanding	Speaking	Writing
Excellent	Excellent	Excellent

Personal skills and competences

Social skills and competences

During my working experiences I had the opportunity to collaborate with different and multi-ethnic research groups. These experiences make me able to work both in large team and alone. I coordinated the activities of students involved in different thesis projects (design and synthesis of new DABO compounds with anti-HIV activity, preparation and purification of new peptidomimetics against Parkinson's disease, prebiotic synthesis of biomolecules and analytic identification by MS techniques using an ex-novo library, extraction and purification of natural substances, development of new catalyst and bio-catalyst for the synthesis of active compounds, bio-nanotechnologies topics, investigation of prebiotic chemistry pathway), I'm responsible of several analytical instrument (GC/LC-MS/MS, NMR, FT-IR,) at CGA (Centro Grandi apparecchiature di Ateneo , University of Tuscia, VT) and their maintenance. During last year's I've teached organic, inorganic chemistry and chemistry of natural substances courses beaside to two courses of "green chemistry" in international PhD programs. Responsibility, attention, determination, dialectic, self-motivation and problem-solving skills are some of my distinctive aspects.

Organisational skills and competences	Good experience in project management and team co-ordination. I have been involved in different research project: - Design and preparation of new catalysts Ruthenium based for the synthesis of Anti-Viral Compounds. - Hypervalet Iodine application for selelective eco-friendly oxidations of aromatic alcohols. - Rhenium-based nanocatalysts development for the synthesis of chalcone derivatives. - Organo-catalytic approach and Hypervalet Iodine application for selelective eco-friendly oxidations of aromatic alcohols. - Iodoxy-benzoic acid for the synthesis of new coumarin derivatives as anti-viral agents. - Design, synthesis and ADME optimization of new active compounds (DABO family) against reverse transcriptase. - Design, synthesis and analysis of new peptido-mimetics by development of green enzymatic approach against Parkinson's Disease. - Library creation and characterization of complex mixture from unconventional synthesis. - Prebiotic synthesis in terrestrial and space conditions. (different topics) - Design and synthesis of new coumarin derivatives potentially active on melanoma cancer. - Development of new biomimetic systems for the synthesis of quinone-derivatives. - Extraction, characterization and quantification of antioxidant and anti-aging derivatives from natural sources. - Design and synthesis of new Artemisinin derivatives. - Natural sources and their application in cosmeceutical and pharmaceutic fields. - Development of Green methodologies: MW assisted synthesis for the preparation of anti-viral compounds - Multicomponent reaction for the synthesis of prebiotic scaffold
Network / International collaborations	- Krasavin Eugen, Joint Institute for Nuclear Research · Laboratory of Radiation Biology, Dubna. - Juan Manuel Garcia-Ruiz ,CSIC-University of Granada · Instituto Andaluz de Ciencias de la Tierra - Judit E. Sponer, Institute of the Biophysics of the Czech Academy of Sciences. - Tomas Georgelin, Pierre and Marie Curie University - Paris 6 | UPMC · Laboratoire de réactivité de surface . - Kevin K. Ariën, Institute of Tropical Medicine, Antwerp, Belgium. - Lili Arabuli, University of Georgia , Tbilisi.
Societies and councils	2018- Member of SIA (Italian Astrobiology Society) 2021- Partner of GENTOXCHEM (University Spin-Off)
Research projects	2014. Research Convention with Terme dei Papi spa society (strada Bagni 12, 01100 Viterbo) for a project entitled: "Caratterizzazione qualitativa e quantitativa della componente organica dei fanghi prodotti nello stabilimento di Viterbo, compresa l'analisi delle loro attività benefiche per l'organismo". Topic: Characterization of natural substances and their catalytic and bio-catalytic transformation. Duration of project: 12 months. 2014-2017. Research Convention with ABOCA spa society (San sepolcro, Arezzo) entitled: "Studio di estratti vegetali mediante tecniche analitiche avanzate. Duration of project 5 years. 2014-2016. Contract of research with Agenzia Spaziale Italiana ASI N. 2014-026-R.0 entitled: "Esobiologia e ambienti estremi-dalla chimica delle molecole alla biologia degli estremofili ECMB" 2016-2017 Research Convention PRONAT with Consorzio della Collezione dei Composti Chimici e Centro di Screening CNCCS entitled "Identificazione di agenti bioattivi da prodotti naturali di origine animale e vegetale". Duration: 12 months. 2016-2017 Contract of research with Valmet society (Calenzano, Firenze) entitled: "Plating: modifica delle proprietà dei depositi metallici per il settore galvanico"- Duration: 12 months. 2017-present Research Convention with IDI Farmaceutici, Pomezia. 2018-2019 FILAS Regione Lazio project MIGLIORA 2018- present Research Convention PRONAT II with Consorzio della Collezione dei Composti Chimici e Centro di Screening CNCCS entitled "Identificazione di agenti bioattivi da prodotti naturali di origine animale e vegetale". Duration: 12 months. 2019-present ASI-OPPS 2019- present PRIN 2017 2019- present Research Convention with EDISON

2020-present Research Convention with Welcare (Scientific responsible)

2020-present Lioo project (Regione Lazio)

2021-Research Contract with Welcare (Scientific responsible)

2021-Progetto gruppi di ricerca n°POR FESR Lazio 2014-2020. Progetto T0002E0001. "EVER" (PI of organic chemistry unit).

Computer Skills and competences

Computer and softwares: Windows, Macintosh and Linux environment (e.g. Microsoft Office package, Open office package, ChemDraw, Chem 3D, XDrawchem, ghemical, MarvinSketch, NIST MS, Varian workstation).
-On-line database search (Beilstein Commander, SciFinder Scholar, Scopus)
-Scientific writing: excellent skills in writing scientific papers.
-Website creation : https://astrobio2020.wixsite.com/asiworkshop

Meetings and conferences

2012 IV EWDSy - Fourth European Workshop in Drug Synthesis, Siena.

2013 IX EWDD – European workshop in Drug Design, Siena.

2014 V EWDSy - Fifth European Workshop in Drug Synthesis, Siena.

2015 X EWDD – European workshop in Drug Design, Siena.

2016 V EWDSy - Sixth European Workshop in Drug Synthesis, Siena.

2016 - ASI conference,"Formamide in prebiotic chemistry "Rome (Invited Speaker)

2016 - Prometheus meeting,"Formamide: the first evidence of a spontaneous catalytic compartmentalization process in prebiotic chemistry" Granada.

(Invited Speaker)

2018 - Conference on Life on Earth and beyond, "Proton irradiation: a key to the challenge of N-glycosidic bond formation in a prebiotic context" Bertinoro. (Invited Speaker)

2018 - Prometheus meeting, "Silica Metal Oxide Vesicles Catalyze Comprehensive Prebiotic Chemistry" Huelva. (Invited Speaker)

2018 - SIAW conference "Chemical Gardens and Mineral Vesicles catalyze comprehensive prebiotic chemistry". Naples (Invited Speaker)

2018 - CGA PhD Summer School. "An Overview on Gas chromatography/Mass- Spectrometry". Viterbo (Invited Speaker)

2019 – Giornata nazionale della Bioeconomia, Viterbo. (Invited Speaker)

2019 – Giornata nazionale della sostenibilità ambientale, Viterbo. (Invited Speaker)
2020 – Testimonial day DEB (Organizer) https://www.youtube.com/watch?v=hHYeKbvsjRk&t=1227s27-29-10-2020 - 1st Italian Space Agency workshop on Astrobiology. (Organizer and Speaker) https://astrobio2020.wixsite.com/asiworkshop/local-scientific-organizing-commite "*Solar wind polymerization/oxygenation of hydroxynaphthalenes on Meteorites as a novel probe for the Origin of Insoluble Organic Matter"*
2020 - Gli sbocchi occupazionali nel mondo della ricerca scientifica e dell'industria farmaceutica. I incontro (Organizer and Speaker)
2020 - Gli sbocchi occupazionali nel mondo della ricerca scientifica e dell'industria farmaceutica. II incontro (Organizer and Speaker)

	2020 - Gli sbocchi occupazionali nel mondo della ricerca scientifica e dell'industria farmaceutica. III incontro (Organizer and Speaker) 2020 - Gli sbocchi occupazionali nel mondo della ricerca scientifica e dell'industria farmaceutica. IV incontro (Organizer and Speaker) 2020 - L' origine della vita: nuove frontiere in astrobiologia (Organizer) 28-10-2020 1st Italian Space Agency workshop on Astrobiology. "Solar wind polymerization/oxygenation of hydroxynaphthalenes on Meteorites as a novel probe for the Origin of Insoluble Organic Matter" (Invited Speaker) 16-04-2021 - Blue jobs: opportunità professionali nella salvaguardia della biodiversità, l'uso sostenibile delle risorse e la transizione ecologica in ambiente marino. (Organizer) 23-04-2021 Green jobs: tutela della biodiversità, uso sostenibile delle risorse naturali e transizione ecologica come opportunità professionali (PARTE 1) (Organizer) 28-04-2021 Esperienze professionali nel campo ambientale(Organizer) 03-05-2021 05-05-2021 Green jobs: tutela della biodiversità, uso sostenibile delle risorse naturali e transizione ecologica come opportunità professionali (PARTE 2) (Organizer) 19-05-2021 La figura del biologo e del biotecnologo: percorsi di formazione e opportunità lavorative(Organizer) 14/23-09-2021 XXVII Congresso Nazionale della Società Chimica Italiana" Aminomalononitrile inspired prebiotic chemistry as a novel microwave assisted multicomponent tool for the synthesis of imidazole and purine derivatives with anti-influenza activity"
Meetings and conferences as invited speaker	2016 - ASI conference,"Formamide in prebiotic chemistry "Rome 2016 - Prometheus meeting,"Formamide: the first evidence of a spontaneous catalytic compartmentalization process in prebiotic chemistry" Granada. 2018 -Conference on Life on Earth and beyond, "Proton irradiation: a key to the challenge of N-glycosidic bond formation in a prebiotic context" Bertinoro. 2018 - Prometheus meeting, "Silica Metal Oxide Vesicles Catalyze Comprehensive Prebiotic Chemistry" Huelva. 2018- SIAW conference "Chemical Gardens and Mineral Vesicles catalyze comprehensive prebiotic chemistry". Naples 2018- CGA PhD Summer School. "An Overview on Gas chromatography/Mass- Spectrometry". Viterbo 2019 – Giornata nazionale della sostenibilità ambientale "Biological, chemical and environmental sustainability at the Department of Ecology and Biology" Viterbo. 14/23-09-2021 XXVII Congresso Nazionale della Società Chimica Italiana" Aminomalononitrile inspired prebiotic chemistry as a novel microwave assisted multicomponent tool for the synthesis of imidazole and purine derivatives with anti-influenza activity" 16-05-2022 11th Edition of International Conference on Catalysis, Chemical Engineering and Technology- Advanced synthesis, Catalytic systems and new catalyst designing section "Aminomalononitrile and Diaminomaleonitrile inspired prebiotic chemistry as a novel multicomponent tool for the synthesis of imidazole purine and pyrimidine derivatives"
Driving licence	A1-2-3, B

Publications

Grillo, A., Bizzarri , B. M. (2022). Catalytic Enantioselective Diels Alder Reaction: Application in the Synthesis of Antiviral Agents. CATALYSTS, vol. 12, ISSN: 2073-4344, doi: 10.3390/catal12020150

Lorenzo Botta, Cesarini, Silvia, Zippilli, Claudio, Bizzarri, Bruno Mattia, Fanelli, Angelica, Saladino, Raffaele (2022). Multicomponent reactions in the synthesis of antiviral compounds. CURRENT MEDICINAL CHEMISTRY, vol. 29, p. 2013-2050, ISSN: 1875-533X, doi: 10.2174/0929867328666211007121837

Bizzarri, Bruno Mattia, Fanelli, Angelica, botta, lorenzo, De Angelis, Marta, Palamara, Anna Teresa, Nencioni, Lucia, Saladino, Raffaele (2021). Aminomalononitrile inspired prebiotic chemistry as a novel multicomponent tool for the synthesis of imidazole and purine derivatives with anti-influenza A virus activity. RSC ADVANCES, vol. 11, p. 30020-30029, ISSN: 2046-2069, doi: 10.1039/d1ra05240c

Bizzarri, Bruno Mattia, Fanelli, Angelica, botta, lorenzo, Zippilli, Claudio, Cesarini, Silvia, Saladino, Raffaele (2021). Dendrimeric structures in the synthesis of fine chemicals. MATERIALS, vol. 14, ISSN: 1996-1944, doi: 10.3390/ma14185318

Claudio Zippilli, botta, lorenzo, Bizzarri , B. M., Lucia Nencioni, Marta De Angelis, Virginia Protto, Gianluca Giorgi, Maria Camilla Baratto, Rebecca Pogni, Saladino, Raffaele (2021). Laccase-Catalyzed 1,4-Dioxane-Mediated Synthesis of Belladine N-Oxides with Anti-Influenza A Virus Activity. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol. 22, p. 1-14, ISSN: 1661-6596, doi: doi.org/10.3390/ijms22031337

Bizzarri, Bruno Mattia, Fanelli, Angelica, Kapralov, Michail, Krasavin, Eugene, Saladino, Raffaele (2021). Meteorite-catalyzed intermolecular trans-glycosylation produces nucleosides under proton beam irradiation. RSC ADVANCES, vol. 11, p. 19258-19264, ISSN: 2046-2069, doi: 10.1039/d1ra02379a

Zippilli, Claudio, Bizzarri, Bruno Mattia, Gabellone, Sofia, botta, lorenzo, Saladino, Raffaele (2021). Oxidative Coupling of Coumarins by Blue-LED-Driven in situ Activation of Horseradish Peroxidase in a Two-Liquid-Phase System. CHEMCATCHEM, vol. 13, p. 4151-4158, ISSN: 1867-3899, doi: 10.1002/cctc.202100753

Bizzarri, Bruno Mattia, Saladino, Raffaele, Delfino, Ines, García-Ruiz, Juan Manuel, Di Mauro, Ernesto (2021). Prebiotic organic chemistry of formamide and the origin of life in planetary conditions: What we know and what is the future. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol. 22, p. 1-12, ISSN: 1661-6596, doi: 10.3390/ijms22020917

Botta, lorenzo, Cesarini, Silvia, Zippilli, Claudio, Filippi, Silvia, Bizzarri, Bruno Mattia, Baratto, Maria Camilla, Pogni, Rebecca, Saladino, Raffaele (2021). Stereoselective Access to Antimelanoma Agents by Hybridization and Dimerization of Dihydroartemisinin and Artesunic acid. CHEMMEDCHEM, vol. 16, p. 2270-2277, ISSN: 1860-7187, doi: 10.1002/cmdc.202100196

Criado-Reyes, Joaquín, Bizzarri, Bruno Mattia, García-Ruiz, Juan Manuel, Saladino, Raffaele, Di Mauro, Ernesto (2021). The role of borosilicate glass in Miller-Urey experiment. SCIENTIFIC REPORTS, vol. 11, ISSN: 2045-2322, doi: 10.1038/s41598-021-00235-4

Botta L, Filippi S, Zippilli C, Cesarini S, Bizzarri B, Cirigliano A, Rinaldi T, Paiardini A, Fiorucci D, Saladino R, Negri R, Benedetti P (2020). Artemisinin Derivatives with Antimelanoma Activity Show Inhibitory Effect against Human DNA Topoisomerase 1. ACS MEDICINAL CHEMISTRY LETTERS, vol. 11, p. 1035-1040, ISSN: 1948-5875, doi: 10.1021/acsmedchemlett.0c00131

Zippilli C, Botta L, Bizzarri B, Baratto MC, Pogni R, Saladino R (2020). Biomimetic synthesis of galantamine via laccase/TEMPO mediated oxidative coupling. RSC ADVANCES, vol. 10, p. 10897-10903, ISSN: 2046-2069, doi: 10.1039/d0ra00935k

Bizzarri B, Fanelli A, Botta L, Sadun C, Gontrani L, Ferella F, Crucianelli M, Saladino R (2020). Dendrimer crown-ether tethered multi-wall carbon nanotubes support methyltrioxorhenium in the selective oxidation of olefins to epoxides. RSC ADVANCES, vol. 10, p. 17185-17194, ISSN: 2046-2069, doi: 10.1039/d0ra02785e

Bizzarri, Bruno Mattia, Manini, Paola, Lino, Valeria, d'Ischia, Marco, Kapralov, Michail, Krasavin, Eugene, Mráziková, Klaudia, Šponer, Jiří, Šponer, Judit E., Di Mauro, Ernesto, Saladino, Raffaele (2020). High-Energy Proton-Beam-Induced Polymerization/Oxygenation of Hydroxynaphthalenes on Meteorites and Nitrogen Transfer from Urea: Modeling Insoluble Organic Matter?. CHEMISTRY-A EUROPEAN JOURNAL, vol. 26, p. 14919-14928, ISSN: 0947-6539, doi: 10.1002/chem.202002318

Capecchi, Eliana, Piccinino, Davide, Tomaino, Elisabetta, Bizzarri, Bruno Mattia, Polli, Francesca, Antiochia, Riccarda, Mazzei, Franco, Saladino, Raffaele (2020). Lignin nanoparticles are renewable and functional platforms for the concanavalin a oriented immobilization of glucose oxidase-peroxidase in cascade bio-sensing. RSC ADVANCES, vol. 10, p. 29031-29042, ISSN: 2046-2069, doi: 10.1039/d0ra04485g

Capecchi E, Piccinino D, Bizzarri B, Botta L, Crucianelli M, Saladino R (2020). Oxidative Bio-Desulfurization by Nanostructured Peroxidase Mediator System. ACS CATALYSIS, vol. 10, ISSN: 2155-5435, doi: 10.3390/catal10030313

Botta L, Filippi S, Bizzarri B, Zippilli C, Meschini R, Pogni R, Baratto MC, Villanova L, Saladino R (2020). Synthesis and Evaluation of Artemisinin-Based Hybrid and Dimer Derivatives as Antimelanoma Agents. ACS OMEGA, vol. 5, p. 243-251, ISSN: 2470-1343, doi: 10.1021/acsomega.9b02600

Capecchi, Eliana, Piccinino, Davide, Bizzarri, Bruno Mattia, Avitabile, Daniele, Pelosi, Claudia, Colantonio, Claudia, Calabrò, Giuseppe, Saladino, Raffaele (2019). Enzyme-Lignin Nanocapsules Are Sustainable Catalysts and Vehicles for the Preparation of Unique Polyvalent Bioinks. BIOMACROMOLECULES, vol. 20, p. 1975-1988, ISSN: 1525-7797, doi: 10.1021/acs.biomac.9b00198

Bizzarri , B. M., botta, lorenzo, Aversa, Daniela, Mercuri, Nicola B, Poli, Giulio, Barbieri, Alessandro, Berretta, Nicola, Saladino, Raffaele (2019). L-DOPA-quinone Mediated Recovery from GIRK Channel Firing Inhibition in Dopaminergic Neurons. ACS MEDICINAL CHEMISTRY LETTERS, vol. 10, p. 431-436-436, ISSN: 1948-5875, doi: 10.1021/acsmedchemlett.8b00477

Botta L, Filippi S, Bizzarri B, Meschini R, Caputo M, Proietti-De-Santis L, Iside C, Nebbioso A, Gualandi G, Saladino R (2019). Oxidative nucleophilic substitution selectively produces cambinol derivatives with antiproliferative activity on bladder cancer cell lines. BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol. 29, p. 78-82, ISSN: 0960-894X, doi: 10.1016/j.bmcl.2018.11.006

Saladino R, Bizzarri B, Botta L, Sponer J, Sponer JE, Georgelin T, Jaber M, Rigaud B, Kapralov M, Timoshenko GN, Rozanov A, Krasavin E, Timperio AM, Di Mauro E (2019). Proton irradiation: a key to the challenge of N-glycosidic bond formation in a prebiotic context (vol 7, 14709, 2017). SCIENTIFIC REPORTS, vol. 9, ISSN: 2045-2322, doi: 10.1038/s41598-019-40290-6

Crucianelli M, Bizzarri B, Saladino R (2019). SBA-15 Anchored Metal Containing Catalysts in the Oxidative Desulfurization Process. ACS CATALYSIS, vol. 9, ISSN: 2155-5435, doi: 10.3390/catal9120984

Bizzarri B, Fanelli A, Piccinino D, De Angelis M, Dolfa C, Palamara AT, Nencioni L, Zippilli C, Crucianelli M, Saladino R (2019). Synthesis of Stilbene and Chalcone Inhibitors of Influenza A Virus by SBA-15 Supported Hoveyda-Grubbs Metathesis. ACS CATALYSIS, vol. 9, ISSN: 2155-5435, doi: 10.3390/catal9120983

Botta L, Saladino R, Bizzarri B, Cobucci-Ponzano B, Iacono R, Avino R, Caliro S, Carandente A, Lorenzini F, Tortora A, Di Mauro E, Moracci M (2018). Formamide-based prebiotic chemistry in the Phlegrean Fields. ADVANCES IN SPACE RESEARCH, vol. 62, p. 2372-2379, ISSN: 0273-1177, doi: 10.1016/j.asr.2017.07.017

Bizzarri B, Abdalghani I, Botta L, Taddei AR, Nisi S, Ferrante M, Passacantando M, Crucianelli M, Saladino R (2018). Iodoxybenzoic Acid Supported on Multi Walled Carbon Nanotubes as Biomimetic Environmental Friendly Oxidative Systems for the Oxidation of Alcohols to Aldehydes. NANOMATERIALS, vol. 8, ISSN: 2079-4991, doi: 10.3390/nano8070516

Piccinino D, Capecchi E, Botta L, Bizzarri B, Bollella P, Antiochia R, Saladino R (2018). Layer-by-Layer Preparation of Microcapsules and Nanocapsules of Mixed Polyphenols with High Antioxidant and UV-Shielding Properties. BIOMACROMOLECULES, vol. 19, p. 3883-3893, ISSN: 1525-7797, doi: 10.1021/acs.biomac.8b01006

Bizzarri B, Botta L, Perez-Valverde MI, Saladino R, Di Mauro E, Garcia-Ruiz JM (2018). Silica Metal Oxide Vesicles Catalyze Comprehensive Prebiotic Chemistry. CHEMISTRY-A EUROPEAN JOURNAL, vol. 24, p. 8126-8132, ISSN: 0947-6539, doi: 10.1002/chem.201706162

Meschini R, D'Eliseo D, Filippi S, Bertini L, Bizzarri B, Botta L, Saladino R, Velotti F (2018). Tyrosinase-Treated Hydroxytyrosol-Enriched Olive Vegetation Waste with Increased Antioxidant Activity Promotes Autophagy and Inhibits the Inflammatory Response in Human THP-1 Monocytes. JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol. 66, p. 12274-12284, ISSN: 0021-8561, doi: 10.1021/acs.jafc.8b03630

Botta L, Bizzarri B, Crucianelli M, Saladino R (2017). Advances in biotechnological synthetic applications of carbon nanostructured systems. JOURNAL OF MATERIALS CHEMISTRY. B, vol. 5, p. 6490-6510, ISSN: 2050-750X, doi: 10.1039/c7tb00764g

Botta L, Bizzarri B, Piccinino D, Fornaro T, Brucato JR, Saladino R (2017). Prebiotic synthesis of carboxylic acids, amino acids and nucleic acid bases from formamide under photochemical conditions. THE EUROPEAN PHYSICAL JOURNAL PLUS, vol. 132, ISSN: 2190-5444, doi: 10.1140/epjp/i2017-11631-5

Saladino R, Bizzarri B, Botta L, Sponer J, Sponer JE, Georgelin T, Jaber M, Rigaud B, Kapralov M, Timoshenko GN, Rozanov A, Krasavin E, Timperio AM, Di Mauro E (2017). Proton irradiation: a key to the challenge of N-glycosidic bond formation in a prebiotic context. SCIENTIFIC REPORTS, vol. 7, ISSN: 2045-2322, doi: 10.1038/s41598-017-15392-8

Bizzarri B, Botta L, Capecchi E, Celestino I, Checconi P, Palamara AT, Nencioni L, Saladino R (2017). Regioselective IBX-Mediated Synthesis of Coumarin Derivatives with Antioxidant and Anti-influenza Activities. JOURNAL OF NATURAL PRODUCTS, vol. 80, p. 3248-3255, ISSN: 0163-3864, doi: 10.1021/acs.jnatprod.7b00665

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