PERSONAL INFORMATION



Full Name: Bairaktari Maria
Father's name: Michail
Mother's name: Aggeliki
Date and place of birth: August 1, 1991, Athens, Greece
Nationality: Greek

Email: m.bairaktari@unipi.gr

EXPERIENCE

2/2026 – now **Adjunct Lecturer**, Department of Industrial Management and Technology, School Maritime & Industry, University of Piraeus, 18534 Piraeus, Greece

Courses:
RECYCLING: ECONOMIC & TECHNOLOGICAL ISSUES, 6th semester

2/2025 – now Agri-Food and Marketing Expert (EX2025D1099550) - Scientific Associate, European Commission

9/2024–2/2026 **Adjunct Lecturer**, School of Health Sciences, Department of Nutritional Science and Dietetics, University of the Peloponnese

Courses:
1. Introduction to food science, 1st semester
2. Food safety and quality, 7th semester
3. English Terminology II for Health Sciences (Dietetics and Nutrition), 4th semester
4. Management of food units, 6th semester

5/2024–10/2025 **Post Doctoral Research Associate**, School of Health Sciences, Department of Nutritional Science and Dietetics, University of the Peloponnese, Greece

Title: **«Development of bio-green extracts rich in bioactive compounds for innovative functional foods».** Acronym: **BioGreenExt** (Bio-Green Extracts)

1/2024 – 5/2024 **Post Doctoral Research Associate**, Department of Food Science and Nutrition, University of Aegean, Greece

Title: **Green Surfaces for passive water harvesting from the atmosphere**

1/2024 – 5/2024 **PhD Research Associate**, Department of Food Science and Nutrition, University of Aegean, Greece

Title: Department of Food Science and Nutrition, University of Aegean
Project 1: 'passiVe wAter harveSTing usiNg grEen SurfaceS
Project 2: Next generation green functional surfaces

2017-2021 Chemist PhDc, auxiliary work, Laboratory training and teaching of the undergraduate students of the School of Chemical Engineering of the National Technical University of Athens (NTUA)

Courses:

1. Selected Topics of Bioorganic and Natural Products Chemistry, 5th Semester Courses, academics years
2. Organic Chemistry, 4th Semester Courses, academic year
3. Green Chemistry and Engineering, 8th Semester Courses, academic year

2020-2021 PhD fellow, Support to the educational activities of Universities; School of Chemical Engineering, Department of Chemical Science, National Technical University of Athens (NTUA), Greece
Course: Organic Chemistry

2018- 2021 PhD fellow, State Scholarships Foundation (IKY), Greece

2016 - Chemistry Tutor/Instructor, Freelance

EDUCATION

2016 **B.Sc. in Chemistry**; Department of Chemistry, School of Science, National and Kapodistrian University of Athens, Greece

---

2017 **M.Sc. in Translational Research in Biomedicine** (Molecular Diagnostics, biomarkers and targeted therapies)-English version, Department of Molecular Biology & Genetics; Democritus University of Thrace, Greece

Title: **"Synthesis of 3-amino-quinazolinone derivatives and study of their possible DNA photo-degradating activity"**

2022 **IMBA, International Master in Business Administration**-English version, Guglielmo Marconi University of Rome, Italy

Title: **"Growing Green Economy through Green Chemistry and Green Solvents with innovative technologies"**

2023 **Ph.D. in Organic Chemistry**; School of Chemical Engineering, Department of Chemical Science, National Technical University of Athens, NTUA, Greece

Title: **"Synthesis of New Bioactive Compounds and Encapsulation Development Systems in Nanoparticles"**

https://www.didaktorika.gr/eadd/handle/10442/55331

DIPLOMAS

2016 Diploma in oenological education; Department of Chemistry, School of Science, National and Kapodistrian University of Athens, Greece

2017 Diploma in Introduction to Clinical Research International Conference on Harmonization Good Clinical Practice, Department of Molecular Biology & Genetics, Democritus University of Thrace, Greece

LANGUAGES

- Mother tongue: Greek
- Other languages: English (Excellent), French (Good)

CERTIFICATES

2025 Training program on the operation of the Gas Chromatography System, model **Nexis GC-2030** by **Shimadzu**, equipped with the AOC-30i autosampler and the LabSolutions software.

2025 Training program on the operation of the Liquid Chromatography System, model **LC-2050C 3D** by **Shimadzu**, equipped with the Refractive Index Detector RID-20A and the LabSolutions software.

2024 FOOD AND BEVERAGE MANAGEMENT (DURATION 5 WEEKS), Universita Boconi, Italy

2022-2023 COACHING SKILLS FOR MANAGERS (DURATION 320 HOURS , 4 MONTHS), University of California, Davis

2022-2023 RESEARCHER MANAGEMENT AND LEADERSHIP TRAINING (DURATION 5 WEEKS), University of Colorado

2022 ADULT EDUCATOR TRAINING (DURATION 200 HOURS, 3 MONTHS), Information Technologies Institute

2022 COACHING SKILLS FOR LEARNER-CENTRED CONVERSATION, bImperial College London

2021 Genomic Data Science Specialization, John Hopkins University, (DURATION 400 HOURS, 6 MONTHS)

2020 Introduction to Bioinformatics for Medical doctors and other Healthcare professionals EQF level 5 (BioS Digital Skills on Computational Biology for health professionals, Co-Funded by the Erasmus+ Programme of the European Union), Certificate ID Number: bb74689c3e014138bbbe6d9fca9b4b67, (DURATION 3 MONTHS)

2019 MACHINE LEARNING, University of Stanford (DURATION 3 MONTHS)

2018 Medicinal Chemistry: The Molecular Basis of Drug Discovery, University of DavidsonX, (DURATION 7 weeks)

2016 Case studies in Functional Genomics (HARVARDx), (DURATION 3 weeks),

SCOLARSHIPS

2009-2010 **Scholarships by "Nikolaos Papadimitriou" Foundation** for the academic years 2009-2010 (undergraduate studies) for academic excellence.

2018-2021 **Scholarships by State Scholarships Foundation** for the doctoral studies for academic excellence. This research is co-financed by Greece and the European Union (European Social Fund- ESF) through the Operational Programme «Human Resources Development, Education and Lifelong Learning» in the context of the project "Strengthening Human Resources Research Potential via Doctorate Research" (MIS-5000432), implemented by the State Scholarships Foundation (IKY).

2020-2021 Support of educational activities of the National Technical University of Athens for the academic year 2020-2021 with integration of supplementary teaching in addition to main lectures", code ΕΕ/ΕΛΚΕ 68/1466, Operational Program, Development of Human Ressources, Education and Life Long Learning 2014-2020, with co-financing from the European Social Fund and National ressources

2026 - now **Climate Policy Analysis & Mentorship Program (CPAMP) 2026 Fellow**, hosted by the **Green Finance Hub,**
Climate policy analysis, Sustainable & green finance policy Literacy

Selected as one of 250 global fellows (from 7,000+ applicants) for the CPAMP 2026 program.

AWARDS

1. C. Mikra, **M. Bairaktari**, A. Detsi, K.C. Fylaktakidou, "3-Amido 2-MethylQuinazolinone Derivatives: Green Synthesis and Study of DNA Photodynamic Activatable Disruption", European Chemical Biology Symposium, Virtual, 26-28 May 2021, **Poster Prize**:
https://whova.com/portal/artifact_winners/euope_202011/

2. NOYNOY Idea Challenge-Sustainability, Prize: Consulting Support from the company Friesland Campina Hellas for the idea entitled "**Production of value added products from waste from the dairy industry: Utilization of whey using biocompatible green solvents",** Laboratory of Organic Chemistry, Department of Chemical Sciences, School of Chemical Engineering, National Technical University of Athens, Greece

TEACHING EXPERIENCE

Academic Position

2/2026 – now **Adjunct Lecturer**, Department of Industrial Management and Technology, School Maritime & Industry, University of Piraeus, 18534 Piraeus, Greece

Courses:
RECYCLING: ECONOMIC & TECHNOLOGICAL ISSUES, 6th semester

2024-2026 **Adjunct Professor**, School of Health Sciences, Department of Nutritional Science and Dietetics, University of the Peloponnese, Greece, Courses:
1. Introduction to food science, 1st semester
2. Food safety and quality, 7th semester
3. English Terminology II for Health Sciences (Dietetics and Nutrition), 4th semester
4. Management of food units, 6th semester

2018 - 2021 **Teaching Staff, Laboratory instructor** of the master's students of the School of Chemical Engineering of the NTUA, Greece

Postgraduate program: (**ΙΙΡΡ "Materials Science and Technology", Interdisciplinary Interdepartmental Postgraduate Program**), academics years 2018-2021

2017 - 2021 **Teaching Staff**, Laboratory instructor, Laboratory of Organic Chemistry, School of Chemical Engineering, Department of Chemical Science, National Technical University of Athens (NTUA), Greece

Courses:1. Selected Topics of Bioorganic and Natural Products Chemistry), 5th Semester Courses, academics years 2017-2021

2. **Organic Chemistry**, 4th Semester Courses, academic year 2017-2021
3. **Green Chemistry and Engineering**), 8th Semester Courses, academic year 2017-2021

2017 - 2021 **Teaching Staff**, Laboratory of Organic Chemistry, School of Chemical Engineering, Department of Chemical Science, National Technical University of Athens (NTUA), Greece

-Supervision of 17 undergraduates students, academics years 2017-2021
-Participation in Ancillary guidance and **supervision of Erasmus+ Traineeship** (Laurie Gouriou, National Polytechnic Institute of Toulouse), Laboratory of Organic Chemistry, School of Chemical Engineering, Department of Chemical Science, National Technical University of Athens (NTUA), Greece, academic year 2018-2019

SCIENTIFIC ASSOCIATE MEMBER

2025 – now Editorial Board, Edelweiss Applied Science and Technology, ISSN: 2576-8484
2024-2027 Reviewer "American Journal of Applied Chemistry"

WRITING EXPERIENCE

PUBLICATIONS

1. Dissertations

1.Diploma Thesis. "Study of Epoxidation of Polynorbornenes with Different Stereochemistry". Laboratory of Inorganic Chemistry, Department of Chemistry, University of Athens, 2014-2015, Greece.
2. M.Sc. Thesis. "Synthesis of 3-amino-quinazolinone derivatives and study of their possible DNA photo-degradating activity' Laboratory of Organic Biological Chemistry and Chemistry of Natural Product, Department of Molecular Biology & Genetics, Democritus University of Thrace / Laboratory of Organic Chemistry, School of Chemical Engineering, Department of Chemical Science, National Technical University of Athens, Greece, 2016-2017
Abstract: In this study was held the synthesis of new quinazolinone analogues using microwave irradiation and the study of their ability to cleave the DNA upon UV irradiation has been evaluated.
The aim of the first part of this study is the synthesis of bioactive compounds through a new efficient methodology which includes 2 steps for the creation of substituted quinazolinone using microwave irradiation (Microwave Assisted Organic Synthesis-MAOS). Microwave radiant heating is an effective technique with a variety of benefits. The structure of the 2-substituted quinazolinones was identified using nuclear magnetic resonance spectroscopy (^{1}H NMR). The aim of the second part is to study the ability of the synthesized compounds to cleave DNA when activated by UV irradiation. Thus, it is examined whether the compounds prepared, exhibited photodegradation activity in relation to factors such as the nature of the substitution

and the concentration. The results were very encouraging as almost all the compounds showed very significant activity as photo-cleavage agents in the DNA.

3. PhD Thesis.
Title: Synthesis of New Hybrid Bioactive Compounds and Encapsulation Development Systems in Nanoparticles, Laboratory of Organic Chemisty, Department of Chemistry Aristotle University of Thessaloniki / Laboratory of Organic Chemistry, School of Chemical Engineering, Department of Chemical Science, National Technical University of Athens, Greece
Projects:
Green Chemistry

- Green Extraction
- Synthesis of Green Solvents
- Application of Green Solvents (nanotechnology, food chemistry, medicine)

Organic Chemistry

- Organic Synthesis of quinazolinones, chalcones, aurones and hybrids molecules using phenolic acids
- Synthesis of Green Solvents (Deep Eutectic Solvents, DES, Natural Deep Eutectic Solvents, NaDES, Therapeutic Deep Eutectic Solvents, THEDES)
- Organic Synthesis using green chemistry tools

Biology

- Antioxidant Activity of synthetic compounds
- DNA intercalation (Molecular Docking and DNA binding studies)
- DNA photocleavage activity

Encapsulation
Encapsulation of synthetic organic compounds using PLA, PLGA, PCL, β-CDs)

4. International MBA Thesis. "Growing Green Economy through Green Chemistry and Green Solvents with Innovative Technologies", Guglielmo Marconi University of Rome, Italy, 2022
Abstract: Due to the increasing awareness of the need for a green and sustainable industry, the interest in green solvents for chemical processes is growing. Driven by legislation and evolving attitudes towards environmental issues, establishing green solvents for extractions, separations, formulations and reaction chemistry has become an increasingly important area of research. This work aims to give an overview of solvent developments towards more sustainable and green processes and how they contribute to the green economy. How they can be used more effectively to enhance the greenness of chemical processes, particularly in industries, is addressed in detail. The purpose of this research is to study the environmental and economic benefits of green chemistry using green solvents in industry.

2. Research Publications

[1] Maria Bairaktari, Nikolaos Karountzos, Driving Sustainability in Agrifood Systems: The Strategic Value of SASB Standards, JANALISTA: International Journal of Multidisciplinary Research (AIJMR), Received: March 2, **2026**

[2] Vaibhav Patel, Isha Goswami, Shivangi Goswami, Viraj Parmar, **Maria Bairaktari,** Ruchi Yadav, Nipul Kapadia, Ankit Chaudhary, Polypharmacy, Medication Adherence, and Inappropriate Drug Use in Geriatric Patients: A Cross-Sectional Study in a Tertiary Care Hospital, *Perspectives in Clinical Research*, Received: November 9, **2025**

[3] Devansi Patel, Jenny Patel, Muktha Nair, Nipul Kapadia, Heena Chokshi, **Maria Bairaktari,** Dhaval Patel, Vaibhavkumar Patel, Comparison of surgical procedure in Coronary Artery Disease Patients, *Journal of Nature and Science of Medicine,* Received: October 18, **2025**

[4] Maria Bairaktari, Stavroula Maria Konstantopoulou, Olga Malisova, Aristea Gioxari, Alexandros Ch. 5 Stratakos, George I. Panoutsopoulos and Konstantina Argyri, Natural Deep Eutectic Solvents for Agro-Industrial By-Product Valorization: Emerging Strategies for the Development of Functional Foods Targeting Diabetes, Appl. Sci. **2025**, 15(21), 11596; **https://doi.org/10.3390/app152111596**

[5] Maria Bairaktari, Deep Eutectic Solvents (DESs) in Waste Reduction, By-Product Valorization, and Advancing the Circular Economy, *SCE* **2025**, *6*, 218-228.

[6] Maria Bairaktari, "Reduction Food Loss and Waste: The Role of Deep Eutectic Solvents (DESs)", Ann Chem Sci Res. 4(4). ACSR. 000592. 2024.

[7] Chrysoula Mikra, **Maria Bairaktari**, Marina−Theodora Petridi, Anastasia Detsi, and Konstantina C. Fylaktakidou, "Green Process for the Synthesis of 3−Amino−2−Methyl−Quinazolin−4(3H)−one Synthones and Amides Thereof. DNA Photo−Disruptive and Molecular Docking Studies", Processes 2022, 10(2), 384

[8] Andromachi Tzani, Styliani Kalafateli, Grigorios Tatsis, **Maria Bairaktari,** Ioanna Kostopoulou, Antonella R. N. Pontillo, Anastasia Detsi , Natural Deep Eutectic Solvents (NaDESs) as alternative green extraction media for ginger (Zingiber officinale Roscoe), Sustain. Chem. 2021, 2, 576–599, https://doi.org/10.3390/suschem2040032

[9] Antonella R. N. Pontillo, Evangelia Konstanteli, **Maria M. Bairaktari** and Anastasia Detsi, "Encapsulation of the Natural Product Tyrosol in Carbohydrate Nanosystems and Study of Their Binding with ctDNA", *Polymers*, 2021, 13, 87

3. Conference Presentations

Poster's Presentation

[1]. Maria Bairaktari, Ioanna Kostopoulou, Andromachi Tzani and Anastasia Detsi, "Green Approaches towards the synthesis of quinazolinone derivatives", The 2nd Advances on Green Chemistry, Poznan, Poland, 16-18 April **2018,** P-014/page
[2]. M. Bairaktari, I. Kostopoulou, P. Gritzapis, K. Fylaktakidou, A. Detsi, "Design, Microwave Assisted Synthesis and DNA Photocleavage Activity of novel quinazolin-4(3H)-one derivatives", 19th Tetrahedron Symposium, Riva del Garda, Lake Garda, Italy, 26-29 June **2018**
[3]. Maria Bairaktari, Theodore Tsimogiannis, Ioanna Kostopoulou, Andromachi Tzani, Anastasia Detsi, ''Synthesis of quinazolinone derivatives using Natural Deep Eutectic Solvents (NaDESs)'', Athens, Conference on Advances in Chemistry, 30 Oct.-2 Nov. **2018**, Athens, Greece, http://acac2018.chem.uoa.gr
[4]. Maria Bairaktari, Eleni Kallinikou, Ioanna Kostopoulou and Anastasia Detsi, *'Natural Deep Eutectic Solvent (NaDES) mediated synthesis of 2,3-dihydroquinazolinones',* 12th Panhellenic Scientific Conference of Chemical Engineering, Athens, Greece, 29-31 May **2019**
[5]. Maria Bairaktari, Pavlina Angeli, Theodoros Tsimogiannis, Ioanna Kostopoulou and Anastasia Detsi, 'Design and synthesis of quinazolinone-aurone hybrids', 1 12th Panhellenic Scientific Conference of Chemical Engineering, Athens, Greece, 29-31 May **2019**

[6]. A. Papaioannou, A. R. N. Pontillo, **M. Bairaktari,** Th. Lymperopoulou, A. Detsi, "Optimization of a Green Extraction Method to obtain bioactive compounds from Wild Rose Hips", Green Chemistry and Sustainable Development, Athens, Greece, 18-20 October **2019**

[7]. Maria Bairaktari, Ioanna Panteli, Eleni Kallinikou, Konstantina C. Fylaktakidou, and Anastasia Detsi, "Green Synthesis of 2.3-dihydroquinazolinones analogues using natural deep eutectic solvents (NaDESs) as solvents and catalysts", 1st GREENERING International Conference, in Costa da Caparica, Portugal, 15-17 February **2021**

[8]. Maria Bairaktari, Konstantina C. Fylaktakidou and Anastasia Detsi, "Synthesis of 2-methyl-3,6-bis-substituted quinazolinone derivatives, DNA binding studies and photocleavage activity", 18th Hellenic Symposium on Medicinal Chemistry, Online Symposium, 25-27 February **2021**

[9]. Maria Bairaktari, Marientina Kalantzi, Andromachi Tzani and Anastasia Detsi, "Natural Deep Eutectic solvents (NaDESs) and their ability to interact with ctDNA", 18th Hellenic Symposium on Medicinal Chemistry, Online Symposium, 25-27 February **2021**

[10]. C. Mikra, **M. Bairaktari**, A. Detsi, K.C. Fylaktakidou, 3-Amido-2-Methyl- "Quinazolinone Derivatives: Green Synthesis and Study of DNA Photodynamic Activatable Disruption", European Chemical Biology Symposium, Virtual, 26-28 May **2021**

[11]. M.Bairaktari, M.Miserli and A.Detsi "Inclusion Complexes of 3-amino-2- methyl-6-nitro quinazolinone with β-cyclodextrins (β-CDs) and CT-DNA binding studies" European Symposium on Organic Chemistry Virtual July 5-6, **2021**

[12]. M. Bairaktari, V. Kotzaoustopoulos and A. Detsi "Green Synthesis of Quinazolinones Schiff Base Conjugates using Natural Deep Eutectic Solvent (NaDES) and DNA binding studies" European Symposium on Organic Chemistry Virtual, July 5-6, **2021**

[13]. Ioanna Pitterou, Konstantinos Pallios, **Maria Bairaktari,** Eleni Kavetsou, Anastasia Detsi, "INCLUSION COMPLEXES OF THE NATURAL PRODUCT CURCUMIN IN VARIOUS NANOSYSTEMS AND STUDY OF THEIR BINDING WITH ctDNA" European Symposium on Organic Chemistry Virtual July 5-6, **2021**

[14]. S. Tsichritzi, **M. Bairaktari**, "Messinian Gluten-Free Diet: Bioactive Compounds and Gut Health," 14th Messinia Health Conference, Kalamata, May 31–June 2, **2025**.

[15] Maria Bairaktari, Nikolaos Karountzos, SASB Metrics and Green Management in the Agrifood Sector: Measuring and Driving Sustainability, The 3rd International Online Conference on Agriculture, MDPI, 22-24 October, **2025**

Oral's Presentation

[1]. Maria Bairaktari, Eleni Kallinikou, Laurie Gouriou, and Anastasia Detsi, **"**One pot synthesis of quinazolinone and dihydroquinazolinone analogues using Natural Deep Eutectic Solvents (NaDESs) as solvents and catalysts", Green Chemistry and Sustainable Development, Athens, Greece, 18-20 October **2019**

[2]. M. Bairaktari, "Green and Sustainable Business Coaching", 2024 Mentors Networking Event, Workshop, STARTAB, Corallia/Athena Research Center, Athens, Greece, 08 November, **2024**

[3]. Maria Bairaktari, Georgios Panoutsopoulos, Konstantina Argyri, "Applications of Nanotechnology in Nutrition and Health: Development of Nanoparticles as Biosensors," 2nd Student Conference of the Department of Nutrition and Dietetics, Kalamata, Greece, May 28, **2025**.

[4]. Maria Bairaktari, Applications of nanotechnology in nutrition and cancer, 2nd Conference: Oncology in the Region – Challenges and Dilemmas in Everyday Practice, Kalamata, Greece, 19–20 September, **2025**

[5]. Maria Bairaktari, Nikolaos Karountzos, Green Management and Circular Economy in Industry: Strategies for By-product Utilization and Sustainability Metrics, 21st HSSS National & International Conference Systemic Human Resources

Management and New Technologies, Tripoli, Greece, 08-11 October, **2025, Pages 135, https://confe.hsss.eu/**
[6]. Bairaktari, M.; Karountzos, N. Life Cycle Assessment (LCA) of Circular Economy Pathways for the Valorization of Dairy By-products, in Proceedings of the 1st International Online Conference on Environments, 2–4 March **2026**, MDPI: Basel, Switzerland

Webinars

[1]. Maria Bairaktari, Webinar, Pharmaceuticals | Deep Insights into Natural Bioactives: Comprehensive Perspectives from Extraction to Market Translation, 12 January **2026**, MDPI
[2]. Maria Bairaktari, Catalysts, Valorization of Biomass Derivatives by Innovative Homogeneous Catalysis, 25 February **2026**, MDPI

RESEARCH GRANTS - PROJECTS

1. Natural Deep Eutectic Solvents as media for the extraction of bioactive compounds, Laboratory of Organic Chemistry, Department of Chemical Sciences, School of Chemical Engineering, National Technical University of Athens, Greece
2. Nanosystems for pharmaceutical, cosmetic and food applications, Laboratory of Organic Chemistry, Department of Chemical Sciences, School of Chemical Engineering, National Technical University of Athens, Greece
3.“Synthesis of new bioactive compounds and encapsulation development systems in nanoparticles” (MIS-5000432), Code:2018-050- 0502-14320, State Scholarships Foundation (IKY), Funding: 30.000 € (Role: Principal Investigator, PI)
4. NOYNOY Idea Challenge-Sustainability, Prize: Consulting Support from the company Friesland Campina Hellas for the idea entitled "Production of valueadded products from waste from the dairy industry: Utilization of whey using biocompatible green solvents", Laboratory of Organic Chemistry, Department of Chemical Sciences, School of Chemical Engineering, National Technical University of Athens, Funding: Consulting support from the company FrieslandCampina Hellas-NOUNOU
5."passiVe wAter harveSTing usiNg grEen SurfaceS [VASTNESS -15250]" (code.81060), which funded by the Basic Research Financing (Horizontal support for all Sciences), National Recovery and Resilience Plan (Greece 2.0), Funding: 189.600 € (Role: co-PI)
6. “Next generation green functional surfaces” [EXERCISE-16743] (code.81081), which funded by the Basic Research Financing (Horizontal support for all Sciences), National Recovery and Resilience Plan (Greece 2.0), Funding: 400.000 € (co-PI)
Writing:

1. Green_Wild_ROSE.gr (code: T2ΕΔΚ-02333) (MIS 5131416), Research – Create – Innovate- European Regional Development Fund, Funding: 900.000 €
2. Title: "Valorization of Fig green extracts in the development of a novel functional Kefir-based beverage", 4th Call for H.F.R.I.’s Research Projects to Support Post-Doctoral Researchers, Funding: 79.860 € (Role: Principal Investigator, PI),
3. Title: "Utilization of green extracts of FIg by-products (Ficus Carica) rich in bioactive components for the development of novel functional gOAt yoguRT", (“FIGOART”), Trust Your Stars (SUB 4), Hellenic Ministry of Education, Religious Affairs and Sports, Funding: 126.367 € (Role: Principal Investigator, PI)

RESEARCH INTERESTS

- Drug Design and Modeling

- Organic Synthesis of bioactive compounds
- Heterocyclic Chemistry
- Medicinal Chemistry and Chemistry of Natural Products
- Extraction Method to obtain bioactive compounds from plants
- Green and Sustainable Chemistry
- Innovative and Sustainable Techniques for the Development of Functional Foods
- Green and Sustainable Economy in chemical industry
- Food Waste Management
- Valorization of food waste and agro-industrial by-products for new functional products
- Green Nanotechnology
- Applications of drugs in Nanotechnology
- Applications of water harvesting in nanotechnology