Curriculum vitae



ARYMPLIA A. MARIA

Personal Information

Address: Galatas, Chania | **Date of Birth:** 1/8/1989 | **Phone: (+30)** 6970073693 | **e-mail:** maryblia@hotmail.com, maryblia@tuc.gr | linkedin.com/in/maria-aryblia

Professional experience

7/2025 – Present: Co-founder, Viridiance Insights P.C., a spin-off company of the Technical University of Crete

2/2024 – Present: External Expert & Proposals Evaluator, COST Association - European Cooperation in Science & Technology, 2025 | ANR- National Research Agency of France, Water4All Association, 2024.

4/2022 – Present: Lead Researcher at Indigo – *Industrial research group and Digital Innovations Research Group*, of the School of Production Engineering and Management of the Technical University of Crete. Research projects H2020, **AquaSPICE** (June 2022 – December 2022), Interreg Adrion **AMOCEAB** – Adrion Master in Circular Economy and Bioeconomy (April 2023 – September 2023), **HEU Plooto** (January 2023 – December 2025), **Greece 4.0**: National Recovery and Resilience Plan "Flagship actions in interdisciplinary scientific areas with a special interest in the connection with the productive tissue" (December 2023 – December 2025), **HEU CSSBoost** (July 2025 – Present)

3/2017 – 3/2022: Associate Researcher at the Laboratory of Renewable and Sustainable Energy Systems of the Faculty of Chemical and Environmental Engineering of the Technical University of Crete. It's research projects HORIZON 2020, **Trust EPC South** (2017 – 2018), **Civitas Destinations** (2017- 2021), **Civitas SUMP-Plus** (July 2020 – May 2022), Interreg MED EU **Compose Plus** (December 2021 – May 2022).

2018 – 2019: Laboratory Assistant and Teaching Tutorial Exercises, Renewable Energy Sources (8th semester), Department of Environmental Engineering, Technical University of Crete

2015 – 2016: Engineer at the Technical Office of Aglaia Raptou & Associates, Peristeri, Attica

3/2014 – 12/2014: External communication partner at the Non-Governmental Organization for the environment, "Organization Earth"

7/2011 – 8/2011: Internship at "PPC Renewables SA", Wind and Solar Energy sector

Education

2/2023 - Present: PhD Candidate, School of Production Engineering and Management of the Technical University of Crete, ***Monitoring and assessment of circular value chains towards sustainable and resilient development***, supervised by Associate Prof. George Arampatzis. Exploiting the circularity of SRMs valorisation in selected value chains (magnets, carbon-fibers, and food products), through the HEU Plooto and Greece4.0 projects. Development of assessment tool for sustainability (environment, finance and society) and governance, the *Sustainability Balanced Scorecards* for in-depth investigation of advancing circularity and opportunities for industries.

2015 – 2018: Master of Science, *Environmental Engineering - Environmental Management, Sustainable Energy and Climate Change*, from School of Chemical and Environmental Engineering of the Technical University of Crete

02/2013: Bachelor, Integrated Master, in Environmental Engineering, School of Chemical and Environmental Engineering of the Technical University of Crete

Languages

Excellent knowledge and use of the English language
Knowledge and use of the German language, Degree of Certificate Deutsch, Goethe Institut

Skills

Excellent knowledge of dynamic system simulation software (TRNSyS , EnergyPlus)
Design Programs, ECDL certification CAD – AutoDesk AutoCAD EN
Excellent knowledge and use of MS programs Office (Word , Excel , PowerPoint)
BuildingCert – TEE KENAK – certification of attendance at the Building Energy Inspectors seminar

Selected Publications In International Scientific Journals

1. Maria Frangou, Maria Aryblia, Stavroula Tournaki, Theocharis Tsoutsos, Renewable energy Performance Contracting in the tertiary sector. Standardization to overcome barriers in Greece, Renewable Energy, 125 :829-839, September 2018
2. Ioannis Petidis, Maria Aryblia, Tryfon Daras, Theocharis Tsoutsos, Energy saving and thermal comfort interventions based on occupants' needs. A students' residence building case, Energy and Buildings, Volume 174, 1 September 2018, Pages 347-364
3. Nikolaos Sifakis, Maria Aryblia, Tryfon Daras, Stavroula Tournaki, Theocharis Tsoutsos, "The impact of COVID-19 pandemic in Mediterranean urban air pollution and mobility", Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, published 24 March 2021

Books – Technical Publications

1. Maria Aryblia, Lúcio Quintal, Miguel Ribeiro, Nikolaos Sifakis, Stavroula Tournaki, Theocharis Tsoutsos, *Climate change mitigation through smart environmental monitoring of the urban ecosystem in insular touristic cities: Experience from Rethymno and Madeira*, "Sustainable Energy Mobility in Island Tourism Destinations", (ed. T. Tsoutsos), Springer – Nature 2022
2. Eleni Farmaki, Maria Aryblia, Stavroula Tournaki, Theocharis Tsoutsos, *Assessing sustainable urban mobility policies in the Mediterranean tourism destinations through multi-criteria decision-making models*, "Sustainable Energy Mobility in Island Tourism Destinations", Springer – Nature 2022
3. M Frangou, M Aryblia, S Tournaki , T Tsoutsos, " *Potential of Energy Performance Contracting for Tertiary Sector Energy Efficiency and Sustainable Energy Projects in Southern European Countries*, The Role of Exergy in Energy and the Environment, 733-747, Springer Nature 2018
4. Maria Aryblia, Sophia-Natalia Boemi , Alice Corovessi , Theocharis Tsoutsos , Energy poverty in Greece, Heinrich Boll Stiftung, 2020
   https://gr.boell.org/sites/default/files/2020-12/POVERTY-2EN-FIN-LOW_0.pdf
5. Maria Aryblia, Rebecca Bertram, Alix Bolle, Alice Corovessi, Felix Dembski, Dörte Fouquet, Petra Giňová, Krzysztof Księżopolski, Nikos Mantzaris, Jan Ondřich, Joanna Maćkowiak-Pandera, Radostina Primova, Andreas Rüdinger, Marion Santini, Stefan Scheuer, Wojciech Szymalski, Joan Herrera Torres, Claude Turmes, Theocharis Tsoutsos, and Molly Walsh, European Energy Atlas, Heinrich Boll Stiftung, 2018, EN, DE, PL, GR

6. Maria Aryblia, Poverty in mobility – a multifactorial challenge, Atlas of Mobility, Greek Edition, Heinrich Boll Stiftung , 2022

Selected Publications in Conference Proceedings

1. Aryblia M., Sarantinoudis N., Tsinarakis G., Arampatzis G., *Enabling sustainability and resilience in industries through the value chains' circularity and digitalisation*, 18th International Conference on Environmental Science and Technology, CEST 2023
2. Aryblia M., Sarantinoudis N., Tsinarakis , Karkou E., Arampatzis G., *Advancing sustainability in industrial supply chains by embracing circular approaches and digital transformation*, Closed cycles and the Circular Society, IEES, 2023
3. Aryblia M., Boulinaki E., Tsoutsos T., *Assessment of Mobility Measures to overcome Mobility Poverty*, TRA 2022, Transport Research Arena, Lisbon, 2022
4. Aryblia M., Frangou M., Tournaki S., Tsoutsos T., *Standardization for supporting decision making in tertiary sector buildings Energy Efficiency renovations*, 7th International Conference Energy in Buildings, ASHRAE, November, 2018
5. M. Aryblia, M. Frangou, S. Tournaki and T. Tsoutsos, *Energy Efficiency investments in the tertiary sector. Case studies and lessons from the Trust EPC South H2020 initiative*, 6th International Conference on Renewable Energy Sources & Energy Efficiency – New Challenges, 1-2 November 2018, Nicosia, Cyprus
6. Farmaki E., Aryblia M., Piteris G., Tournaki S., Tsoutsos T., *Environmental evaluation of mobility measures in EU islands. Lessons from the H2020 CIVITAS DESTINATIONS project*, Clean Energy in European islands, April 24, 2018, Athens
7. T. Tsoutsos, M. Aryblia, N. Sifakis, *Urban Environmental Monitoring Stations in a Mediterranean Tourism Destination*, International Workshop on Advances in Cleaner Production, Towards Energy-Water-Food nexus, May 26 May 2020 (digital)

Awards

2010 – 2011: Scholarship for the 4th year of study
2008 – 2009: Performance Scholarship for the 1st year of studies
2001 – 2009 : Awards and medals at the Panhellenic and Pan-Cretan Swimming Championships of the respective years, awards at International Organizations and Grand Prix