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RESEARCH • TECHNOLOGY • INNOVATION

Curriculum Vitae

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Academic and Professional details:

Ioanna is a Post-doctoral Research Fellow at the Energy Department of Energy, Environment and Water Research Centre of The Cyprus Institute. She boasts a multi-disciplinary background, with a BSc in Biology from the University of Sheffield (obtained in 2012) and an MSc in Energy Science from the University of Utrecht (obtained in 2015). Her PhD studies in Energy, Environment and Atmospheric Sciences combined natural with social sciences to investigate the topic of energy poverty in the EU and in Cyprus and were completed in June 2022 at the Cyprus Institute. Some of her main interests involve sustainable energy use in the urban environment, occupant-centric smart buildings, thermal comfort, urban and energy vulnerabilities and associated health issues.

Education:

2018-2022 PhD / Energy Environment & Atmospheric Sciences, Cyprus Institute

2013-2015 MSc / Energy Science, University of Utrecht

2009-2012 BSc / Biology, University of Sheffield

Professional Experience:

October 2022 Post-doctoral Research Fellow
- present

February PhD Candidate & Research and Graduate Assistant (The Cyprus Institute)
2018 – July
2022

Research Experience:

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| 2021 - Present | COLLECTiEF: Collective Intelligence For Energy Flexibility (H2020) |
| 2022 – 2024 | CliCCHE: Climate change, cities, communities and equity in health (EU Erasmus+) |
| 2020 – 2024 | PED-EU NET: Positive Energy Districts European Network (COST) |
| 2020 – 2022 | Coordinating Climate Change Action in the Eastern Mediterranean and Middle East (Cyprus Government Initiative) |
| 2017 – 2022 | European Energy Poverty: Agenda Co-Creation and Knowledge Innovation (COST) |
| 2017 – 2019 | ZenH Balkan: Towards Zero Energy Hospitals in the Balkan Region (INTERREG) |
| 2016 – 2018 | Smart Urban Isle: Smart bioclimatic low-carbon urban areas as innovative energy isles in the sustainable city (JPI Urban Europe) |

Teaching Experience:

The Cyprus Institute

Common rules of scientific writing / under the transferable skills course initiative
March 2024

The Cyprus Institute

Urban health / under the CliCCHE Erasmus+ project
March 2022 – May 2022

Management and Administrative experience:

The Cyprus Institute

Student representative (2020 - 2022)
Internal Quality Committee of our Graduate School 2021-2022
Cyl Equal Opportunities Committee 2021-2022
Publications, Web and Outreach Committee 2019
Graduate Assistant 2018-2022

Honours and Achievements:

The Cyprus Institute

Tuition fee scholarship (2018-2022)
A.G. Leventis Foundation Educational Grant (2020-21, renewed for 2021-22)

Other Skills:

Fluency in Greek and English
Writing and editing scientific and non-scientific publications
Software and tools: MS Office, Wordpress, SPSS, ArcGIS

Professional Service and Memberships:

Guest editor: “Visible and Hidden Energy Vulnerabilities in a Changing Climate”, in *Energies*
Reviewer in peer reviewed journals, such as *Energy, Energy Research & Social Science, Energy Policy, Energy Sources, Part B: Economics, Planning and Policy, International Journal of Sustainable Energy, Buildings, Sage Open*

Training Attended:

Mainstreaming Innovative Energy Poverty Metrics, ENGAGER training school, Online, 26-30 April 2021

Mobilizing data for energy poverty research and action, ENGAGER training school, Barcelona, Spain, 3-7 June 2019

Presentations and Outreach:

World Renewable Energy Congress (WREC2020), Lisbon, Portugal, Online, 26-30 July 2021
Sustainability in the built environment for climate change mitigation (SBE19), Thessaloniki, Greece, 23-25 October 2019

Energy poverty, clean energy, and the European energy divide (ENGAGER International conference), Bucharest, Romania, 22-24 January 2019

6th International Conference on Renewable Energy Sources & Energy Efficiency, Nicosia, Cyprus, 1-2 November 2018

Sixth International Conference on Remote Sensing and Geoinformation of the Environment (RSCy2018), Paphos, Cyprus, 26-29 March 2018

Publications:

1. Carlucci S., Lange M.A., Artopoulos G., Albuflasa H.M., Assimakopoulos M.N., Attia S., Azar E., Cüce E., Hajiah A., Meir I.A., Neophytou M., Nicolaides M., Serghides D., Sprecher A., Tawalbeh M, Thravalou S and Kyprianou I., **“Characteristics of the built environment in the Eastern Mediterranean and Middle East and related energy and climate policies”**, Energy Efficiency, 2024, <https://10.1007/s12053-024-10217-w>
2. Kyprianou I., Serghides D., Thomson H. and Salvatore C., **“Learning from the Past: The Impacts of Economic Crises on Energy Poverty Mortality and Rural Vulnerability”**, Energies, 2023, <https://doi.org/10.3390/en16135217>
3. Papadopoulos P., Kyprianou I., Shahid M.S., Erba S., Wurtz F., Delinchant B., Riederer P., Aghaei M. and Carlucci S., **“Indoor thermal comfort analysis for developing energy-saving strategies in buildings”**, 2023 International Conference on Future Energy Solutions (FES), IEEE, 2023, <https://10.1109/FES57669.2023.10183297>
4. Carlucci S., Kyprianou I. and Papadopoulos P., **“Part 1: Cypriot case study”**, in **Net-Zero and Positive Energy Communities**, 2023, Routledge, ISBN: 9781003267171
5. Kyprianou I., Artopoulos G., Bonomolo A., Brownlee T., Cachado R.A., Camaioni C., Đokić V., D'Onofrio R., Đukanović Z., Fasola S., Di Giovanni C.F., Grifoni R.C., Hadjinicolaou P., Ilardo G., Jovanović P., La Grutta S., Malizia V., Marchesani G.E., Ottone M.F., Trusiani E., Živković J. and Carlucci S., **“Mitigation and adaptation strategies to offset the impacts of climate change on urban health: A European perspective”**, Building and Environment, 2023, <https://doi.org/10.1016/j.buildenv.2023.110226>
6. Stojilovska A., Dokupilová D, Gouveia J.P., Bajomi A.Z., Tirado-Herrero S., Feldmár N., Kyprianou I. and Feenstra M., **“As essential as bread: Fuelwood use as a cultural practice to cope with energy poverty in Europe”**, Energy Research & Social Science, 2023, <https://doi.org/10.1016/j.erss.2023.102987>
7. Serghides, D., Katafygiotou, M., Kyprianou, I., Dimitriou, S, **“Indicators Toward Zero-Energy Houses for the Mediterranean Region”**, in: Sayigh, A. (eds) **Towards Net Zero Carbon Emissions in the Building Industry**. Innovative Renewable Energy. Springer, 2023, https://doi.org/10.1007/978-3-031-15218-4_12
8. Kyprianou I., Salvatore C. and Serghides D., **“Energy affordability and trends of mortality in Cyprus”**, International Journal of Sustainable Energy, 2022, <https://doi.org/10.1080/14786451.2022.2046581>

9. Kyprianou I., Serghides D. and Salvatore C., "**Urban vulnerability in the EMME region and sustainable development goals: A new conceptual framework**", Sustainable Cities and Society, 103763, 2022, <https://doi.org/10.1016/j.scs.2022.103763>
10. Serghides, D., Dimitriou, S., Kyprianou, I., "**Mediterranean Hospital Energy Performance Mapping: The Energy Auditing as a Tool Towards Zero Energy Healthcare Facilities**", in: Sayigh, A. (eds) *Sustainable Energy Development and Innovation*. Innovative Renewable Energy. Springer, 2022, https://doi.org/10.1007/978-3-030-76221-6_50
11. Kyprianou I., Varo A., Serghides D., Marti i Puig S., "**Energy poverty and policy implications in two Mediterranean countries**", in Sayigh, A. (eds) *Sustainable Energy Development and Innovation*. Innovative Renewable Energy. Springer, 2022, https://doi.org/10.1007/978-3-030-76221-6_61
12. Serghides, D., Dimitriou, S., Kyprianou, I., Papanicolas, C., "**Enhancing the Microclimate Toward Outdoor Thermal Comfort in Urban Isles of the Mediterranean Region**", in: Sayigh, A. (eds) *Achieving Building Comfort by Natural Means*. Innovative Renewable Energy. Springer, 2022, https://doi.org/10.1007/978-3-031-04714-5_4
13. Castaño-Rosa R., Barrella R., Sánchez-Guevara C., Barbosa R., Kyprianou I., Paschalidou E., Thomaidis N.S., Dokupilova D., Gouveia J.P., Kádár J., Hamed T.A. and Palma P., "**Cooling Degree Models and Future Energy Demand in the Residential Sector. A Seven-Country Case Study**", Sustainability 2021, <https://doi.org/10.3390/su13052987>
14. Serghides, D., Dimitriou, S., Kyprianou, I., Giannakis, E., Zittis, G., "**Developing Sustainable Cities for Climate Change Mitigation**", in: Sayigh, A. (eds) *Sustainable Energy Development and Innovation*. Innovative Renewable Energy. Springer, 2022, https://doi.org/10.1007/978-3-030-76221-6_30
15. Serghides D., Thravalou S., Dimitriou S. and Kyprianou I., "**Energy performance of healthcare facilities in 3 climatic zones in Cyprus**", Renew. Energy Environ. Sustain., 7, 16, 2022, <https://doi.org/10.1051/rees/2022004>
16. Dimitriou S., Kyprianou I., Papanicolas C. and Serghides D., "**A new approach in the refurbishment of the office buildings – from standard to alternative nearly zero energy buildings**", International Journal of Sustainable Energy, 39:8, 761-778, 2020, <https://10.1080/14786451.2020.1749629>
17. Kyprianou I. and Serghides D., "**Challenges in regional approaches: Lessons from Energy Poverty research in a small scale European member state**", IOP Conf. Ser.: Earth Environ. Sci. 410 012086, 2020, <https://10.1088/1755-1315/410/1/012086>
18. Serghides, D., Dimitriou, S., Kyprianou, I., "**Paving the Way Towards Zero Energy Hospitals in the Mediterranean Region**", in: Sayigh, A. (eds) *Green Buildings and Renewable Energy*. Innovative Renewable Energy. Springer, 2020, https://doi.org/10.1007/978-3-030-30841-4_11
19. Kyprianou I. and Serghides D., "**Dealing with Energy Poverty in Cyprus – an overview**", International Journal of Sustainable Energy, 2019, <https://doi.org/10.1080/14786451.2019.1699560>
20. Kyprianou I., Serghides D., Varo A., Gouveia J.P., Kopeva D. and Murauskaite L., "**Energy Poverty Policies and Measures in 5 EU Countries: A Comparative Study**", Energy and Buildings, 2019, <https://doi.org/10.1016/j.enbuild.2019.05.003>
21. Serghides D., Dimitriou S., Kyprianou I. and Papanicolas C., "**The Bioclimatic Approach in Developing Smart Urban Isles for Sustainable Cities**", Renewable Energy and Environmental Sustainability Journal, vol. 4, 2019, Article Number 2, <https://doi.org/10.1051/rees/2018006>
22. Serghides D., Dimitriou S., Kyprianou I. and Papanicolas C., "**The Adaptive Comfort Factor in Evaluating the Energy Performance of Office Buildings in the Mediterranean Coastal Cities**", Energy Procedia, 2017, <https://doi.org/10.1016/j.egypro.2017.09.588>