

3rd International Conference on Innovation in Renewable Energy and Power



Berlin, Germany

13 – 15 March 2025

Energy Poverty and Severe Material Deprivation in Greece: A Path to Inclusive Policy Solutions

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Abstract

The disparity in energy accessibility and affordability is a critical societal challenge, creating barriers to development, prosperity, and equity. This study investigates energy poverty within Greece, pursuing an understanding of the elements shaping its prevalence. Using data from the 2022 Statistics on Income and Living Conditions (EU-SILC) household survey provided by ELSTAT (Hellenic Statistical Authority), the research applies statistical and binary logistic regression analyses to examine the impact of socioeconomic, dwelling, and climatic determinants on household energy poverty. Additionally, the study focuses on people experiencing severe material deprivation to uncover the underlying causes of poverty among the most vulnerable groups. The empirical results reveal that structural elements such as income, urbanization, educational background, household size, tenure status, age, and cooling degree days significantly contribute to energy poverty risk. These insights offer a foundation for targeted policy recommendations, encouraging authorities to implement effective and inclusive measures to alleviate energy poverty.

Keywords: Energy poverty; Material deprivation; Vulnerable households; Sustainability



The research project is implemented in the framework of H.F.R.I call “Basic research Financing (Horizontal support of all Sciences)” under the National Recovery and Resilience Plan “Greece 2.0” funded by the European Union –NextGenerationEU (H.F.R.I. Project Number: 016638)

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