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**Paper Title** \_\_\_\_\_ : Study on Reducing Electricity Consumption in Clean Rooms Air Supply System Through the Installation of Photovoltaic Solar Modules

**Bio :**

Carlos Alberto García Vázquez is a PhD student in the department of Electronics and Computers at Transylvania University of Braşov. He received his Master of Science in Mathematical Modelling Applied to Engineering, and Bachelor of Engineering in Automation from Technological University of Havana "José Antonio Echeverría" (CUJAE). His doctoral research focuses on energy management in HVAC systems, advanced control algorithms, renewable energies, especially photovoltaic systems, and optimization.

His primary research interests include mathematical modeling and simulation of dynamic systems, system identification, process control, advanced PID control, model-based predictive control, and optimization algorithms. Carlos Alberto has experience teaching numerical methods, modeling and simulation, and process control at the undergraduate level, having taught these subjects at the Technological University of Havana between 2017 and 2022, before moving to Transylvania University of Braşov to study his Ph.D.