

**Res. Asst. MUHAMMET ŞAMİL  
KALAY**



### **Personal Information**

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### **International Researcher IDs**

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### **Education Information**

Postgraduate, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, Turkey 2020 - Continues

Undergraduate, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, Turkey 2014 - 2019

### **Foreign Languages**

English, B2 Upper Intermediate

### **Research Areas**

Direct Energy Conversion and Energy Storage, Electric Power Transmission, Distribution and Protection, Renewable energy

### **Academic Titles / Tasks**

Research Assistant, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2021 - Continues

### **Published journal articles indexed by SCI, SSCI, and AHCI**

- Systematic review of the data acquisition and monitoring systems of photovoltaic panels and arrays**  
KALAY M. Ş., KILIÇ B., SAĞLAM Ş.  
SOLAR ENERGY, vol.244, pp.47-64, 2022 (SCI-Expanded)

### **Papers Published in Refereed Scientific Meetings**

- Design of Flexible Charging Simulator for Electric Vehicles**

ALACA E., AKPOLAT A. N., TOPCAN H., KALAY M. Ş., DEMİR U.

IEEE Global Energy Conference 2024, Batman, Turkey, 4 - 06 December 2024, pp.49-54

**II. IoT Based Data Acquisition and Remote Monitoring System for Large-Scale Photovoltaic Power Plants**

Kalay M. Ş., Kılıç B., Mellit A., Oral B., Sağlam Ş.

The Third Edition of the International Conference on Electronic Engineering and Renewable Energy (ICEERE'2022), Sattat, Morocco, 20 May 2022

## **Metrics**

Publication: 3

Citation (WoS): 2

Citation (Scopus): 6

H-Index (WoS): 1

H-Index (Scopus): 1