

LISTA

lucrărilor științifice elaborate și publicate

Teza de doctorat

Titlu: *Contribuții la modelarea sistemelor fotovoltaice*

Conducător științific: prof. dr. Marius Paulescu

Lucrări indexate Web of Science

- Paulescu M, Stefu N, **Sabadus A**, Dughir C, Bojin S (2021) *PV 2-state: A simple but accurate short-term PV power forecasting tool*, 38th European Photovoltaic Solar Energy Conference and Exhibition, 1161 - 1164
- **Sabadus A**, Paulescu M (2021) *On the nature of the one-diode solar cell model parameters*. *Energies* 14, 3974 (**AIS = 0.58, IF = 2.702**).
- Blaga R, Calinoiu D, Stefu N, Boata R, **Sabadus A**, Paulescu E, Pop N, Mares O, Bojin S, Paulescu M (2021) *Quantification of the aerosol-induced errors in solar irradiance modeling*. *Meteorology and Atmospheric Physics*, 1 – 13 (**AIS = 0.440, IF = 2.204**).
- Paulescu M, **Sabadus A**, Dumitrescu A, Badescu V (2020) *A new parametrization of the effective cloud fields*. *Theoretical and Applied Climatology* 142, 769 – 779 (**AIS = 0.770, IF = 2.882**).
- Blaga R, **Sabadus A**, Stefu N, Dughir C, Paulescu M, Badescu V (2019) *A current perspective on the accuracy of incoming solar energy forecasting*. *Progress in Energy and Combustion Science* 70, 119-144 (**AIS = 7.13, IF = 25.24, 5-YEARS IF = 27.86**).
- Calinoiu D, Stefu N, Boata R, Blaga R, Pop N, Paulescu E, **Sabadus A**, Paulescu M (2018) *Parametric modeling: A simple and versatile route to solar irradiance*. *Energy Conversion and Management* 164, 175-187 (**AIS = 0,890, IF = 5.589, Q1@JCR 2017**).
- **Sabadus A**, Mihailetchi V, Vizman D, Paulescu M (2019) *Parameters extraction of the one-diode solar cell model: Performance assessment of different numerical procedures*. *AIP Conference Proceedings* 2071, Article number 040005.
- **Sabadus A**, Paulescu M (2019) *Simple vs complex models for solar cells*. *E3S Web of Conferences* 85, Article number 04004.
- Paulescu M, Stefu N, Dughir C, Blaga R, **Sabadus A**, Paulescu E, Bojin S (2018) *Online Forecasting of the Solar Energy Production*. *Annals of West University of Timisoara - Physics* 60, 104-110.
- **Sabadus A**, Mihailetchi V, Paulescu M (2017) *Parameters extraction for the onediode model of a solar cell*. *AIP Conference Proceeding* 1916, Article number 040005.
- **Sabadus A**, Paulescu M, Badescu V (2017) *Extracting the I-V Characteristics of the PV Modules from the Manufacture's Datasheet*. In *Proc. of the Conference for Sustainable Energy (CSE) Brasov* (I. Vișa, A. Duța Eds.), Nearly zero Energy Community, Springer Proceedings in Energy, 434-442.