

An analysis of hybrid renewable energy system using HOMER Pro: a case study in Sungai Tiang Camp, Perak

Fadzli, Nur Farzana Athirah Mohd; Azmi, Azlin Mohd; Dahlan, Nofri Yenita; Ismail, Zubir Ahmad Mohd; **Sukumaran, Sreenath** Journal of advanced research in applied sciences and engineering technology 2023 / p. 79-92 : ill <https://doi.org/10.37934/araset.31.3.7992>
[Journal metrics at Scopus](#) [Article at Scopus](#)

A decade of solar PV deployment in ASEAN : policy landscape and recommendations

Sukumaran, Sreenath; Azmi, Azlin Mohd; Dahlan, Nofri Yenita; Sudhakar, K. Energy reports 2023 / p. 460-469
<https://doi.org/10.1016/j.egyr.2022.05.219>

Design and development of a conceptual solar energy laboratory for district heating applications

Chung, Jaewook; Sukumaran, Sreenath; Hlebnikov, Aleksandr; Volkova, Anna Solar 2023 / p. 504-521
<https://doi.org/10.3390/solar3030028>

Feasibility of solar hybrid energy system at a conservation park: Technical, economic, environmental analysis

Sukumaran, Sreenath; Azmi, Azlin Mohd; Ismail, Zubir Ahmad Mohd Energy reports 2023 / p. 711-719
<https://doi.org/10.1016/j.egyr.2022.11.065>

Greening airports: A methodological framework for site assessment and assessing solar PV potential

Sukumaran, Sreenath; Sudhakar, K.; Yusop, A.F. Results in Engineering 2024 / art. 102256, 12 p. : ill
<https://doi.org/10.1016/j.rineng.2024.102256> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimizing solar energy integration in Tallinn's district heating and cooling systems

Lepiksaar, Kertu; Kajandi, G-M.; **Sukumaran, Sreenath**; Krupenski, Igor; Kirs, Tanel; **Volkova, Anna** Smart Energy 2025 / art. 100166 <https://doi.org/10.1016/j.segy.2024.100166>

Overview of solar photovoltaic applications for district heating and cooling

Sukumaran, Sreenath; Laht, Janika; **Volkova, Anna** Environmental and Climate Technologies / p. 964-979
<https://doi.org/10.2478/rtuect-2023-0070> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Photovoltaic-powered seasonal snow storage-assisted district cooling system: Site suitability analysis and performance assessment

Sukumaran, Sreenath; Kirs, Tanel; Kirs, Kristian; **Volkova, Anna** Energy 2024 / art. 133586
<https://doi.org/10.1016/j.energy.2024.133586> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Use of absorption heat pumps to raise district cooling waste heat temperature for district heating supply in Tallinn : technical and economic analysis

Kirs, Tanel; **Sukumaran, Sreenath**; Latõšov, Eduard; **Volkova, Anna** Environmental and Climate Technologies 2024 / p. 409-421 <https://doi.org/10.2478/rtuect-2024-0032> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)