

**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>  
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**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>

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

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**Volkova, Anna; Kisel, Einari**; Grünvald, Olavi; Veske, Andres; Sukumaran, Sreenath; Purga, Jaanus International journal of sustainable energy planning and management 2023 / p. 30-46 <https://doi.org/10.54337/ijsepm.7568> [Journal metrics at Scopus](#) [Article at Scopus](#)

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**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>

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**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](#)

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<https://doi.org/10.2478/rtuct-2023-0070> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**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/rtuct-2024-0032> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)