

Person CV-reprot 27.05.2024

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Publications

A Peer-reviewed scientific articles

- A1 Journal article-refereed, Original research

Girgibo, N., Hiltunen, E., Lü, X., Mäkiranta, A., Tuomi, V. (2024). Risks of climate change effects on renewable energy resources and the effects of their utilisation on the environment *Energy reports*, 11, (s. 1517-1534). <https://doi.org/10.1016/j.egy.2024.01.024>

Girgibo, Nebiyu, Lü, Xiaoshu, Hiltunen, Erkki, Peura, Pekka, Dai, Zhenxue (2023). The air temperature change effect on water quality in the Kvarken Archipelago area *Science of the total environment*, 874,162599. <https://doi.org/10.1016/j.scitotenv.2023.162599>

Girgibo, Nebiyu, Mäkiranta, Anne, Lü, Xiaoshu, Hiltunen, Erkki (2022). Statistical Investigation of Climate Change Effects on the Utilization of the Sediment Heat Energy *Energies*, 15 (2), (s. 1-28). <https://doi.org/10.3390/en15020435>

- A2 Review article, literature review, systematic review

Girgibo, Nebiyu Wolde (2022). Seaside Renewable Energy Resources Literature Review *Climate*, 10 (10),153. <https://doi.org/10.3390/cli10100153>

B Peer-reviewed scientific articles

- B1 Peer-reviewed journal article

Girgibo, Nebiyu, Lu, Xiaoshu, Yao, Zhitong (2022). The potential of using groundwater as a heating/cooling energy source in the Vaasa city region of Finland *Water Utility Journal*, (30-31), (s. 1-15). http://www.ewra.net/wuj/pdf/WUJ_2022_30-31_01.pdf

D Publications intended for professional communities

- D1 Article in trade journal

Girgibo, Nebiyu, Lü, Xiaoshu, Hiltunen, Erkki, Peura, Pekka, Tong, Yang, Zhenxue, Dai (2022). A conceptual framework for the future of sea-level rise and land uplift changes in the Vaasa region of Finland *SCIREA Journal of Geosciences*, 6 (1), (s. 23-57). <https://doi.org/10.54647/geosciences17154>

- **D3 Article in professional conference proceedings**

Girgibo, Nebiyu, Mäkiranta, Anne (2021). Sediment Heat Energy Production Expected to Use the Climate Change Effect to its Advantage. *Book of abstracts: Proceedings of the 16th Conference on Sustainable Development of Energy, Water and Environment Systems* (s. 590).

- **D4 Published development or research report or study**

Girgibo, Nebiyu (2022). Identifications of renewable energy risks and risk management review. (*Vaasan yliopiston raportteja*). <https://urn.fi/URN:ISBN:978-952-395-056-6>

Girgibo, Nebiyu (2021). The effect of climate change on water and environmental resources in the Kvarken Archipelago area. (,). <http://urn.fi/URN:ISBN:978-952-476-941-9>

G Theses

- **G5 Doctoral dissertation (article-based)**

Girgibo, Nebiyu (2023). Results of Seaside Energy Solutions in Land Uplift and Climate Change in the Kvarken Archipelago: A Mixed-Method Investigation. (*Acta wasaensia*). <https://urn.fi/URN:ISBN:978-952-395-121-1>

Activities

3 Presentation

- **3.1 Conference presentation**

Girgibo, Nebiyu (10.10.2021-15.10.2021). Sediment Heat Energy Production Expected to Use the Climate Change Effect to its Advantage. The 16th Conference on Sustainable Development of Energy, Water and Environment Systems. (Speaker)

Girgibo, Nebiyu (06.10.2023-15.10.2023). ENERGY VILLAGE CONCEPT APPLICATION IN AFRICA. LEAP-RE Stakeholder Forum, in Kigali Rwanda. (Speaker)

Girgibo, Nebiyu (2022 and 2024). Two times poster presentations in EnergyWeek of Vaasa, Finland in 2022 and 2024. 1) First one was about my doctoral research, March 2022 and 2) Second on LEAP-RE: WP -14 - Project progress, March 2024.

6 Visit to an external organisation

- **6 Visit to an external organisation**

Girgibo, Nebiyu (02.10.2022-17.10.2022) Botswana, Uganda and Ethiopia. Uganda. (Other visits)