

**MAXIMIZING THE RENEWABLE ENERGY HOSTING
CAPACITY OF DISTRIBUTION NETWORKS, acronym MAREHC**

Lucrări publicate în reviste open acces cu Factor de Impact

1. Sintea S., Panait C., Hnatiuc B., Tirpan M., Pomazan C., Hnatiuc M., ***WIND TURBINE ELECTRIC SIGNALS SIMULATOR***, Energies, ISSN: 1996-1073, September 2025, 18(18), 4951, <https://doi.org/10.3390/en18184951>, open access, FI: 3.2.
2. Voicu I, Panaitescu M., Panaitescu F.V., Vasilica F.A., ***EXPERIMENTAL RESEARCH FOR METOCEAN DATA AND RISKS IN THE VICINITY OF PLATFORMS IN THE BLACK SEA***, International Journal on Marine Navigation and Safety of Sea Transportation, TransNav, Volume 19, number 1, pag. 235-240, March 2025, <https://doi.org/10.12716/1001.19.01.27>, open access, IF:0.6.
3. Panaitescu F.V., Panaitescu M., Voicu I., Nedkova S., Vasilica F.A., ***ENERGY PRODUCTION AND ECONOMIC IMPACT IN THE BLACK SEA BLUE ECONOMY***, International Journal on Marine Navigation and Safety of Sea Transportation, TransNav, Volume 19, number 2, pag. 659-666, June 2025, <https://doi.org/10.12716/1001.19.02.37>, open access, IF:0.6.
4. Gouda O.E., , Ossama E., E., Aziz, Esraa, M.I., Lehtonen, Matti I., M.M., Darwish, Mohamed M.F., ***COMPUTATION OF ELECTRIC FIELD ON HIGH VOLTAGE POLYMERIC INSULATORS USING ACTUAL MODEL WITH OPTIMAL CORONA RING DIMENSIONS***, (2025) Energy Science and Engineering, 2025; 1-24, eISSN: 2050-0505, <https://doi.org/10.1002/ese3.70193>, open access, FI:3.4.
5. Gouda O.E., El Dein A.Z., Yassin S., LEHTONEN M., Darwish M.M.F. ***INVESTIGATION OF SOIL RESISTIVITY IMPACTS ON THE ELECTRODES OF GROUNDING SYSTEM SUBJECTED TO LIGHTNING STRIKES***. 2024, IET Generation, Transmission and Distribution, 18 (21), pp. 3392 – 3406, <https://doi.org/10.1049/gtd2.13287>, open access, FI:2.6.
6. Mousa, H. H., Mahmoud, K., LEHTONEN, M., (2024), ***RECENT DEVELOPMENTS OF DEMAND SIDE MANAGEMENT TOWARDS FLEXIBLE DER-RICH POWER SYSTEMS: A SYSTEMATIC REVIEW***, IET Generation, Transmission & Distribution, ISSN:1751-8687, Vol 18, Issue 13, pages: 2259-2381, <https://doi.org/10.1049/gtd2.13204>, open access, FI:2.6.
7. Malik F.H., Khan M.W., Rahman T.U., Ehtisham M., Faheem, M., Haider Z.M., LEHTONEN M., 2024, ***A COMPREHENSIVE REVIEW ON VOLTAGE STABILITY IN WIND-INTEGRATED POWER SYSTEMS***, Energies, eISSN: 1996-1073, 17, 644, <https://doi.org/10.3390/en17030644>, open access, cu FI.
8. MOUSA, Hossam HH; MAHMOUD, Karar; LEHTONEN, Matti, ***A COMPREHENSIVE STUDY OF POWER DISTRIBUTION PLANNING PERSPECTIVES: MODELLING, TOOLS, GOALS, AND CRITERIA***, SVU-International Journal of Engineering Sciences and Applications (2024) 5(2): 7-17, ISSN 2785-9967, eISSN 2735-4571, <https://doi.org/10.21608/svusrc.2024.258169.1169>, open access, cu FI.
9. PANAITESCU, F. V., PANAITESCU, M., VOICU, I., DUMITRESCU, M., & COCARTA, D. M. (2024). ***SMART DEVICE FOR PET RECYCLING***, *Journal of Marine Technology & Environment*, . ISSN (Print): 1844-6116, ISSN (Online): 2501-8795, pp. 15-20, <https://www.jmte.eu>, <https://doi.org/10.53464/JMTE.01.2024.03>. open access, FI:0.