

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

**Articole științifice publicate în reviste Science Citation Index Expanded,
Social Sciences Citation Index sau Arts & Humanities Citation Index în
quartila Q2 open acces**

1. Faitar C, Voicu I., Panaitescu M., Nedelcu A., Rusu E., ***STUDY ON THE POTENTIAL IMPACT OF BIOFUELS ON THE OPERATION AND MAINTENANCE DURABILITY OF MARINE MAIN ENGINE COMPONENTS***, *Journal of Marine Science and Engineering*, **2025**, 13(12), 2398, ISSN: 2077-1312, <https://doi.org/10.3390/jmse13122398>, Q2
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3. Osman MG., Lazaroiu G., Stoica D., ***ANALYTICAL AND SIMULATION STUDY OF SHORT CIRCUIT TRANSIENTS IN SINGLE PHASE AND THREE PHASE SYNCHRONOUS MACHINES - TIME-DOMAIN ANALYSIS AND ROTOR ANGLE EFFECTS***, *Applied Sciences*, 2026, ISSN: 2076-3417, 16 (8), 3910, <https://doi.org/10.3390/app16083910>, Q2.
4. Osman MG., Lazaroiu G., Stoica D., ***DESIGN AND ANALYSIS OF SOLAR SYSTEMS FOR AGRICULTURAL APPLICATIONS AND SUSTAINABLE ENERGY SUPPLY OF VILLAGES***, *Applied Sciences*, 2026, ISSN: 2076-3417, 16, 2778, <https://doi.org/10.3390/app16062778>, Q2.
5. Nedelcu A-T., Cătălin Faităr C., Voicu I., Panaitescu M., ***FLOATING PHOTOVOLTAIC SYSTEMS—ENERGY PERFORMANCE AND ENVIRONMENTAL CHALLENGES IN SUSTAINABLE DEVELOPMENT***, *Sustainability*, 2026, 18, 2588, ISSN 2071-1050, <https://doi.org/10.3390/su18052588>, Q2.
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7. Panait A., Pana C., Cernat Al., Negurescu N., Nutu C., Fuioreescu D., Nemoianu L., ***HYDROGEN AS A CARBON NEUTRAL FUEL FOR AUTOMOTIVES IN SUSTAINABLE TRANSPORTATION***, *Sustainability*, 2026, ISSN: 2071-1050, 18(4), 1919; <https://doi.org/10.3390/su18041919>, Q2.
8. Robert-Madalin Chivu 1,2 , Mariana Panaitescu 3,*, Fanel-Viorel Panaitescu 31 and Ionut Voicu, ***MODELING AND VALIDATING PHOTOVOLTAIC PARK ENERGY PROFILES FOR IMPROVED MANAGEMENT***, *Sustainability*, 2026, ISSN: 2071-1050, 18(3), 1229; <https://doi.org/10.3390/su18031299>, Q2.

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