

MEMORIU ȘTIINȚIFIC

Student-doctorand: Chirita George Daniel

Studii de doctorat

Perioada: 2018-2026

Conducător științific: Prof.univ.dr./habil. Viviana Filip

Domeniu: Inginerie Mecanica

Titlul tezei de doctorat: Rotor hibrid eolian–fotovoltaic cu palete plane pivotante și inel periferic: modelare BEM/CFD, analiză structurală și integrare mecatronică

Activitate științifică (*din perioada studiilor doctorale*)

Lista de lucrări științifice (articole în reviste sau volume)

1. Daniel Chiriță, Simona Istrițeanu, Gheorghe I. Gheorghe, Valentina Băjenaru, "Aspects Related to Current Recycling Methods and Trends in Implementing the Principles of the Circular Economy for Lithium-Ion Batteries", 2021, International Journal of Mechatronics and Applied Mechanics, 2021, Issue 10, Vol. II, pag.137-144

Indexată Scopus

DOI: 10.17683/ijomam/issue10/v2.16.

2. George Daniel Chiriță, Viviana Filip, Alexis Daniel Negrea, Dragoș Vladimir Tătaru, "A Review and Prototype Proposal for a 3 m Hybrid Wind–PV Rotor with Flat Blades and a Peripheral Ring", Applied Sciences, volume 15, issue 24, 2025, eISSN: 2076-3417, Journal Impact Factor: 2,5 (2024), Indexata ISI Web of Science

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<https://doi.org/10.3390/app152413027>,

<https://www.mdpi.com/2076-3417/15/24/13027>

<https://www.mdpi.com/2076-3417/15/24/13027/pdf>

3. George Daniel Chiriță, Viviana Filip, Alexis Daniel Negrea, Dragoș Vladimir Tătaru, "Aero-Structural Analysis and Dimensional Optimization of a Prototype Hybrid Wind–Photovoltaic Rotor with 12 Pivoting Flat Blades and a Peripheral Stiffening Ring", Applied Sciences, volume 15, issue 24, 2025, eISSN: 2076-3417, Journal Impact Factor: 2,5 (2024),

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