

## FIȘĂ DE AUTOEVALUARE ȘI DE VERIFICARE A ÎNDEPLINIRII STANDELELOR UNIVERSITĂȚII „VASILE ALECSANDRI” DIN BACĂU PENTRU OCUPAREA POSTURILOR DIDACTICE

Standarde minimale pentru ocuparea postului de **lector universitar/șef de lucrări  
universitar -Barbu Ioana Madalina**

Nr. crt.	Standard	Autoevaluare candidat	Verificare comisie
		Îndeplinire/ Punctaj	Îndeplinire / Punctaj
1.	Deținerea diplomei de doctor	<b>DA</b>	
2.	<p>Minim:</p> <ul style="list-style-type: none"> <li>• 5 articole publicate în reviste indexate BDI, din care minim 3 ca autor principal (definit conform reglementărilor în vigoare);</li> </ul> <p><i>Lista articolelor:</i></p> <p>1. ‘A technical-economical analysis of the implementation of hybrid solar energy systems in small energy prosumer applications’ -Madalina Barbu, Roxana Patrascu, George Darie, Diana Tutica - Quality - Access to Success 2019, Impact Factor 0.753.</p> <p>2. ‘Optimizing the non-reheat steam cycle of concentrated solar power plants with molten salt’- Victor-Eduard Cenușă, Mihaela Norișor, Florin-Niculae Alexe, Mădălina Barbu, Marian Gioantă - Rev. Roum. Sci. Techn.– Électrotechn. et Énerg. Vol. 64, 3, pp. 281–286, Bucharest, 2019 – RIS, Impact Factor 0.955.</p> <p>3. ‘Assessment of the quota of recuperative cooling of the compressed gas at turbocharged Reciprocating Internal Combustion Engines’ - Victor-Eduard Cenușă, Mihaela Norișor, Florin-Niculae Alexe, Mădălina Barbu - TEM Journal 2019 8(1), 3-11 – RIS, Impact Factor 1.006.</p> <p>4. ‘Integration of Hybrid Photovoltaic Thermal Panels (PVT) in the District Heating System of Bucharest, Romania’ - Madalina Barbu, Eduard Minciuc, Dorian Corneliu Frusescu, Diana Tutica - Conference Proceedings: 2021 International Conference on ENERGY and ENVIRONMENT (CIEM)</p> <p>5. ‘A technical analysis and comparison of tubular and lattice towers for wind turbines’ Madalina Barbu, George Darie - Conference Proceedings EENVIRO 2020</p> <p>6. Economic analysis of the optimal configuration of thermal and hybrid photovoltaic-thermal panels for a district heating system - Madalina Barbu, Diana Tutica, Mihaela Norisor, Roxana Patrascu, Eduard Minciuc - Conference Proceedings: 2023 International Conference on ENERGY and ENVIRONMENT (CIEM)</p>	<b>10+</b> <b>18.57+</b> <b>5</b>	

	<ul style="list-style-type: none"> <li>1 articol publicat într-o revistă cotată ISI (article/review/proceedings paper/book review);</li> </ul> <p><i>Lista articolelor:</i></p> <ol style="list-style-type: none"> <li>1. 'Performance analysis and comparison of an experimental hybrid PV, PVT and solar thermal system installed in a preschool in Bucharest, Romania' – <b>Madalina Barbu</b>, Monica Siroux, George Darie - Energies 2023</li> <li>2. 'Numerical model and parametric analysis of a liquid based hybrid photovoltaic thermal (PVT) collector' - <b>Madalina Barbu</b>, Monica Siroux, George Darie – Energy Reports 2021</li> <li>3. 'Analysis of a Residential Photovoltaic-Thermal (PVT) System in Two Similar Climate Conditions' - <b>Madalina Barbu</b>, George Darie, Monica Siroux – Energies 2019 12(19):3595 – RIS,</li> <li>4. 'A Parametric Study of a Hybrid Photovoltaic Thermal (PVT) System Coupled with a Domestic Hot Water (DHW) Storage Tank' - <b>Barbu M</b>, Darie G, Siroux M. Energies. 2020</li> </ol> <ul style="list-style-type: none"> <li>3 prezentări la conferințe internaționale.</li> </ul> <p><i>Lista prezentărilor:</i></p> <ol style="list-style-type: none"> <li>1. A hybrid solar powered domestic hot water system for a kindergarten in Bucharest- Madalina Barbu, Monica Siroux, George Darie – acceptata pentru 2023 11th International Conference on ENERGY and ENVIRONMENT (CIEM), Octombrie 2023</li> <li>2. Analysis of the optimal configuration of thermal and hybrid photovoltaic-thermal panels for a conventional district heating systems - Madalina Barbu, Mihaela Norisor, Diana Tutica, Roxana Patrascu, Eduard Minciuc– acceptata pentru 2023 11th International Conference on ENERGY and ENVIRONMENT (CIEM), Octombrie 2023</li> <li>3. 'Integration of Hybrid Photovoltaic Thermal Panels (PVT) in the District Heating System of Bucharest, Romania' - Madalina Barbu, Eduard Minciuc, Dorian Corneliu Frusescu, Diana Tutica 2021 International Conference on ENERGY and ENVIRONMENT (CIEM)</li> <li>4. 'Integration of Thermal Panels in the District Heating of Bucharest, Romania' - Dorian- Corneliu Frusescu, Eduard Minciuc, George Darie, Madalina Barbu – 2021 International Conference on ENERGY and ENVIRONMENT (CIEM)</li> <li>5. 'Analysing the Heat and Exergy Transfer in Steam Generators of Nuclear Power Plants with Pressurized Light Water Reactors' - Cenusă Victor-Eduard, Florin-Niculăe Alexe, Mihaela Norisor, Madalina Barbu</li> </ol>		
3.	<p>Cel puțin un material didactic pentru uzul studenților în domeniul postului scos la concurs (monografii, cărți, note de curs, caiet de seminar, caiet de laborator, îndrumar de practică).</p> <p><i>Lista materialelor publicate:</i></p> <p>"Challenges and Opportunities of Distributed Renewable Power" / "Challenges and Opportunities of hybrid photovoltaic thermal collectors and their integration into small-scale energy systems for prosumers" -<b>Madalina Barbu</b>, Monica Siroux, George Darie – Springer, ISSN 2522-8366</p>	<b>15.3</b>	
4.	Alte criterii relevante considerate de candidat	-	-
	<b>PUNCTAJ TOTAL</b>		

Data

Semnătura