Nume Prenume: BEŞLIU – BĂNCESCU Irina
Gradul didactic:Şef lucrări doctor inginer
Instituţia unde este titular: Universitatea "Ştefan cel Mare" din Suceava
Facultatea: Inginerie Mecanică, Autovehicule şi Robotică
Departamentul: Mecanică şi Tehnologii

LISTA
lucrărilor ştiinţifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

„Contribuţii la studiul procesului de frezare cu viteze mari a unor materiale dure", îndrumător prof. univ. dr. ing. Slătineanu Laurenţiu

B. Cărţi si capitole în cărţi publicate în ultimii 10 anii

1. L Slătineanu, G Nagîţ, O Dodun, M Coteaţă, A Munteanu, I Beşliu-Băncescu, AL Gherman, A Hriţuc, F Chinesta, A Goncalves-Coelho, JP Teixeira, M San Juan, L Santo, F Santos, Electrophysical and chemical manufacturing processes, Chişinău, Publishing House Tehnica Info, 2020,nr. pag.406, ISBN 978-9975-63-454-0
2. Besliu - Băncescu Irina, Programarea şi operarea maşinilor - unelte cu comandă numerică, Editura USV, ISBN 978-973-666-807-4, pag. 140, 2024
3. Beşliu - Băncescu Irina, Maşini de măsurat în coordonate – Principii şi aplicaţii, Ed. Performatica, ISBN 978-630-328-161-2, 2025, pag. 147
4. D. Amarandei, Beşliu - Băncescu Irina, Cerlincă S., Tamaşag I. , Echipamente şi tehnologii de fabricaţie, Editura USV, 2025, ISBN 978-973-666-837-1, pag. 234
5. "Irina Beşliu-Băncescu, Eugen Cefranov, Dumitru Amarandei, Alexandru Potorac, Tehnologii de fabricaţie. Îndrumar de laborator , Partea I Editura Universităţii "Ştefan cel Mare", 2025, ISBN 978-973-666-843-2,pag152
6. Irina Beşliu-Băncescu, Eugen Cefranov, Dumitru Amarandei, Alexandru Potorac, Tehnologii de fabricaţie. Îndrumar de laborator , Partea a II-a Editura Universităţii "Ştefan cel Mare", 2025, ISBN 978-973-666-843-2 ,pag125

C Lucrări indexate ISI/BDI publicate (2014- 2026)

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1.	Slatineanu, L., Dodun, O., Nagit, G., Coteata, M., Bosoanca, G., Besliu, I. (2018). Fine details obtained by 3D printing and using polymers. MATERIALE PLASTICE, 55(4), 474.
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14.	Beșliu-Băncescu, I., Tamașag, I., Slătineanu, L. (2024). The influence of the machining strategy on milling of polyetheretherketone (PEEK). The International Journal of Advanced Manufacturing Technology, 132(5), 2773-2785.
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18.	Beșliu, I., Tamașag, I., Mihalache, A. (2026). Geometrical and Dimensional Accuracy of Pine-Based Polymer Composites Produced by FDM. International Journal of Polymer Science, 2026(1), 3357501.
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2.	Caracaş, G., Slătineanu, L., Gonçalves-Coelho, A., Coteaţă, M., Beşliu, I. (2014). SHARPENED PEAKS BEHAVIOR IN ELECTROCHEMICAL MACHINING PROCESS. Nonconventional Technologies Review/Revista de Tehnologii Neconventionale, 18(3).
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38.	Gheorghita, Roxana, Roxana Filip, Irina Besliu. Edible biopolymer packaging, zero-waste alternatives for preservation and consuming powdered beverages. International Multidisciplinary Scientific GeoConference: SGEM 6.2 (2024): 61-68.
39.	Irina, Beşliu- Băncescu, Ioan, Tamaşag (2024). Design and fabrication of a ball burnishing device for surface finish adaptable on a plant lathe. TEHNOMUS Journal, 2024, p16-22. 7p.

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D **Lucrări publicate în reviste şi volume de conferinţe cu referenţi** (neindexate)

E. **Brevete obţinute în întreaga activitate**

1. Uliuliuc Dumitru, *Grigoraş Irina*, Coteata Margareta, Slatineanu Laurentiu, Device For Machining, By Electroerosion, Holes With Circular Arc-Shaped Axis, RO128374 (A2) https://worldwide.espacenet.com/patent/search/family/048484060/publication/RO128374A2?q=grigoras%20irina
2. *Grigoraş Irina,* Slatineanu Laurentiu, End Milling Cutter, RO128814 (A2) https://worldwide.espacenet.com/patent/search/family/049224420/publication/RO128814A2?q=grigoras%20irina
3. Slătineanu Laurenţiu ; Condrea Ionuţ ; Hriţuc Adelina; *Beşliu-Bancescu Irina* ; Coteaţă Margareta ; Oroian Bogdan Claudiu, RO135368 (A2)COMBINED TOOL FOR MILLING AND PROCESSING BY SURFACE PLASTIC DEFORMATION OF FLAT SURFACES https://worldwide.espacenet.com/patent/search/family/079289433/publication/RO135368A2?q=besliu%20irina

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Semnătura: