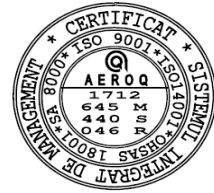




**UNIVERSITATEA „VASILE ALECSANDRI”  
DIN BACĂU**

Calea Mărășești, nr. 157, Bacău, 600115  
Tel. ++40-234-542411, tel./ fax ++40-234-545753  
www.ub.ro; e-mail: rector@ub.ro



**LUCRĂRI ȘTIINȚIFICE  
Dr. ing. Ciprian OLARU**

**Teză de doctorat** în domeniul „Științe Inginerești”, specializarea Inginerie Mecanică – 2012 – Universitatea „Vasile Alecsandri” din Bacău – „Contribuții la studiul regimului de mărunțire a materialelor agroalimentare cu textură moale”, coordonator: prof. univ. dr. ing. Valentin NEDEFF.

**Articole/studii în extenso publicate în reviste din fluxul științific internațional principal:**

1. Panainte Mirela, Nedeff Valentin, Mosnegutu Emilian, Savin Carmen, Macarescu Bogdan, **Olaru Ciprian** – Determination of grinding energy to vegetable product through texture analysis method, Romanian technical sciences academy – MOCM 13, Editura Alma Mater, ISSN 1224-7480, Bacau, pp. 128-134, 2007.
2. Valentin Zichil, Mirela Panainte, Valentin Nedeff, Emilian Mosnegutu, Carmen Savin, Bogdan Măcărescu, **Ciprian Olaru** - Considerations About a New Method Able to Determine the Breaking up Energy at Materials with Variable Texture, Metalurgia International Vol. XIV No.6 - ISSN 1582-2214, pp. 15-20, 2009.
3. Mirela Panainte, Valentin Nedeff, **Ciprian Olaru**, Emilian MOȘNEGUȚU Carmen SAVIN, Bogdan Măcărescu – Study Regarding the Influence of Cutting Bodies Surface State on Energy Consumption in Grinding Process of Vegetable Products with Hard Texture, Buletinul Institutului Politehnic din 7 Iași Tomul LVI (LX), Fasc. 4B, Secția Construcții de Mașini, ISSN 1011-2855, Ed. POLITEHNIUM, pp. 433-442, 2010.
4. **Olaru Ciprian**, Nedeff Valentin, Panainte Mirela – Studies and Research on the Possibilities of Cutting Analysis of Food Materials with Soft Texture, Journal of Engineering Studies and Research, ISSN 2068-7559, Issue No. 1 - Volume 17, pp. 70-76, 2011.
5. **Olaru Ciprian**, Nedeff Valentin, Panainte-Lehăduș Mirela, Olaru Ionel, Ciobanu Elena - The shredding of soft-textured food materials by means of unheated metal wire cutting, 3<sup>rd</sup> International Conference on Thermal Equipment, Renewable Energy and Rural Development, TE-RE-RD 2014, Mamaia – Romania, 12-14 June, pp. 291-296, 2014.
6. Olaru Ionel, **Olaru Ciprian** - A study about thermal simulation in Solidworks in the case of different geometry of the processed pieces by cutting, Journal of Engineering Studies and Research, Vol. 25, nr. 3, pg. 39-43, 2019.
7. Olaru Ionel, **Olaru Ciprian** - A Thermal Analysis in Solidworks for the MQL Systems of the Metal Cutting Processes, IOP Conf. Series: Materials Science and Engineering, ModTech, Vol. 916, 012077, doi:10.1088/1757-899X/916/1/012077, 2020.

**Publicații în extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate:**

8. **Olaru Ciprian**, Nedeff Valentin, Panaite-Lehadus Mirela, Olaru Ionel - Losses Analysis of Materials Resulted from Shredding of Food Materials with Soft Texture by Means of Metal Wire Cutting, Applied Mechanics and Materials Vol. 659, doi.org/10.4028/www.scientific.net/AMM.659.533, pp. 533-538, 2014.
9. Panaite-Lehadus Mirela, **Olaru Ciprian**, Nedeff Valentin, Olaru Ionel, Mosnegutu Emilian - The study behavior of food materials with soft texture subjected to shredding by cutting, 7th International Conference on Advanced Concepts in Mechanical Engineering, IOP Conference Series-Materials Science and Engineering, Vol. 147, 012150, doi:10.1088/1757-899X/147/1/012150, 2016.
10. Olaru Ionel, **Olaru Ciprian** - An Analysis of the Thermal Simulation of Parts Processed by Cutting, With Different Geometries, IOP Conf. Series: Materials Science and Engineering, ModTech, Vol. 1182, 012057, doi:10.1088/1757-899X/1182/1/012057, 2021.

03.01.2023

*Dr. ing.* Ciprian OLARU