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Anexa 5

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Lista de publicații

Nume prenume : CHIRCIU (POPA) V. OLGA
Data înmatriculării : 04.10.2021
Domeniul de doctorat : INGINERIE INDUSTRIALĂ
Conducător de doctorat : Prof.univ.dr.ing.habil. Valentin ZICHIL

1. ISI:

1.1 **Popa Olga,** Ana-Maria Rosu*, Daniela Nicuta, Roxana Elena Voicu, Valentin Zichil, and Ileana Denisa Nistor. 2022, *Factorial Design to Stimulate Biomass Development with Chemically Modified Starch*, Applied Sciences 12, no. 19: 10069. https://doi.org/10.3390/app1219100699 (FI2022=2,7) WOS:000866633400001.

2. BDI:

2.1 **Olga Popa**, Ana-Maria Roşu, Valentin Zichil, 2021, *A review of metallic materials corrosion*, Buletinul Institutului Politehnic Din Iași. Secția Matematica. Mecanică Teoretică. Fizică, Vol. 67, Nr 4, Pag. 39-58.

2.2 **Olga Popa,** Andrei-Vlad Ciubotariu, Cosmin Constantin Grigoraș, Ana-Maria Roșu, Valentin Zichil, **2022**, *Study regarding the influence of corrosive agents on the surface of metallic material like steel*, Journal of Engineering Studies and Research, Vol. 28, Nr 2, Pag 92-99.

3. Participare cu comunicări la conferințe internaționale (inclusiv poster) de prestigiu (din țară și străinătate):

3.1 **Olga Popa**, *Influence study of corrosive agents on the surface of metallic material like steel*, OPROTEH 2022 - 17th International Conference of Constructive Design and Technological Optimization in Machine Building, https://oproteh.ub.ro/
3.2 **Olga POPA**, Andrei-Vlad CIUBOTARIU, Cosmin-Constantin GRIGORAȘ, Ana-Maria ROȘU, Valentin ZICHIL, *Experimental influence of corrosive agents on the mechanical characteristics of steels*, OPROTEH 2023 - 18th International Conference of Constructive Design and Technological Optimization in Machine Building, https://oproteh.ub.ro/
3.3 **Olga CHIRCIU**, Andrei-Vlad CIUBOTARIU, Cosmin-Constantin GRIGORAȘ, Ana-Maria ROȘU, Valentin ZICHIL, *Deformation of materials in presence of different corrosive mediums*, OPROTEH 2024 - 19th International Conference of Constructive Design and Technological Optimization in Machine Building, https://oproteh.ub.ro/
3.4 **Olga Chirciu,** Ana-Maria Rosu, Cosmin-Constantin Grigoras, Vlad-Andrei Ciubotariu, Valentin Zichil, *Effects of corrosive chemical solutions on pitting corrosion of al alloy*, OPROTEH 2025 – 20th International Conference of Constructive Design and Technological Optimization in Machine Building, https://oproteh.ub.ro/

3.5 **Olga Chirciu (Popa)**, Vlad Ciubotariu, Ana Maria Roșu, Cosmin Grigoraș, Valentin Zichil, *Influence of corrosive agents on the mechanic properties of new materials*, Doctoral School Days Innovation And Doctoral Research Hybrid Conference, 10th-12th May 2023
3.6 **Olga Chirciu (Popa),** Vlad Ciubotariu, Cosmin-Constantin Grigoraș, Ana Maria Roșu, Valentin Zichil, *Metallic materials deformability in presence of corrosive mediums,* Doctoral School Days Innovation And Doctoral Research Hybrid Conference, 20th-25th May 2024
3.7 **Olga Chirciu (Popa)**, Cosmin-Constantin Grigoraș, Ana Maria Roșu, Valentin Zichil, *Effects of corrosive saline solutions on pitting corrosion*, Doctoral School Days Innovation And Doctoral Research Hybrid Conference, 20th-22th May 2025

4.Recunoaşterea rezultatelor cercetării:
a)Publicatie ISI
b) Citări (în articole ISI)
a) Popa Olga, Ana-Maria Rosu*, Daniela Nicuta, Roxana Elena Voicu, Valentin Zichil, and Ileana Denisa Nistor. 2022, *Factorial Design to Stimulate Biomass Development with Chemically Modified* Starch, Applied Sciences 12, no. 19: 10069. https://doi.org/10.3390/app1219100699 (FI2022=2,7) WOS:000866633400001
b)Citat în articolele:
1. Alavianghavanini, A., Shayesteh, H., Bahri, P. A., Vadiveloo, A., & Moheimani, N. R. (2024). Microalgae cultivation for treating agricultural effluent and producing value-added products. Science of The Total Environment, 912, 169369.
2. Georgescu, A. M., Bălăiță, C., Ungureanu, C. V., & Răducanu, D. (2023). Phytotoxic effects of a common laundry detergent on lettuce (lactuca sativa l.) Using the mathematical modelling of factorial type. Scientific Studies & Research. Series Biology/Studii si Cercetari Stiintifice. Seria Biologie, 32(1).

Data : 30.07.2026

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