A N E X A 4 . 1

Nume Prenume: Cruceriu Daniel
Gradul didactic: Șef lucrări

Instituția unde este titular: Universitatea Babeș-Bolyai

Facultatea: Biologie și Geologie
Departamentul: Biologie Moleculară și Biotehnologie

L I S T A
lucrărilor ştiinţifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

"Extracte vegetale farmaceutice în managementul cancerului de sân. *Calendula officinalis*, *Solanum chacoense* şi *S. bulbocastanum*: profil biochimic, activitate anti-tumorală selectivă şi efecte moleculare asociate" – Universitatea Babeș-Bolyai, România, 2020 (https://rei.gov.ro/?&sm=&ddpN=1837415839&we=7de50869e17bec77664920c1aeae1a47&wf=dGFCall&wtok=&wtkps=S7QytqouBhJKxZkpStbFVqZGVkrmhiYFOVlJ5ZklmaWZSUYVpmbZ6YnFhWmVRgYFmbmGyWa5VUbluplG5QUFZrqG+RmJppU5IL1ArdmFYAbQPCU3XWdHXWMDQ0NjfQMjPQNzPSMDIwMlqLryVCVrP+taAA==&wchk=4d8b083d09f671e3be71e40a1cd14f8e42eef744)

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

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C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani

- **Articole ISI**

1. Oravetz K, Diaconeasa Z, Carpa R, Rakosy-Tican E, **Cruceriu D**, **2024**. The Antioxidant, Antimicrobial, and Antitumor Proprieties of Flavonol-Rich Extracts from *Allium ursinum* (Wild Garlic) Leaves: A Comparison of Conventional Maceration and Ultrasound-Assisted Extraction Techniques. International Journal of Molecular Sciences. 25(23):12799. (**ISI IF$_{2023}$ = 4.9, AIS$_{2023}$ = 1.053, Q1).**
2. Oravetz K, Todea AV, Balacescu O, **Cruceriu D***, Rakosy-Tican E, **2023**. Potential antitumor activity of garlic against colorectal cancer: focus on the molecular mechanisms of action. European Journal of Nutrition. 62:2347-2363. *- corresponding author**.** (**ISI IF$_{2023}$ = 4.1, AIS$_{2023}$ = 1.027, Q2).**
3. Paraschiv M, Csiki M, Diaconeasa Z, Socaci S, Balacescu O, Rakosy-Tican E, **Cruceriu D**, **2022**. Phytochemical Profile and Selective Cytotoxic Activity of a *Solanum bulbocastanum* Dun. Methanolic Extract on Breast Cancer Cells. Plants. 11(23):3262 (**ISI IF$_{2022}$ = 4.50, AIS$_{2022}$ = 0.621, Q1).**
4. Gavrilas LI^{+}, **Cruceriu D**$^{+}$, Mocan A, Loghin F, Miere D, Balacescu O, **2022**. Plant-Derived Bioactive Compounds in Colorectal Cancer: Insights from Combined Regimens with Conventional

Chemotherapy to Overcome Drug-Resistance. Biomedicines. 10(8):1948 [+] - prim co-autori. (**ISI IF$_{2021}$ = 4.70, AIS$_{2021}$ = 0.798, Q1)**

5. Drețcanu G, Știrbu I, Leoplold N, **Cruceriu D**, Danciu C, Stănilă A, Fărcaș A, Borda IM, Iuhas C, Diaconeasa Z, **2022**. Chemical Structure, Sources and Role of Bioactive Flavonoids in Cancer Prevention: A Review. Plants. 11(9):1117. (**ISI IF$_{2022}$ = 4.50, AIS$_{2022}$ = 0.802, Q1)**
6. **Cruceriu D**, Diaconeasa Z, Socaci S, Socaciu C, Balacescu O, Rakosy-Tican E, **2021**. Extracts of the wild potato species *Solanum chacoense* on breast cancer cells: biochemical characterization, *in vitro* selective cytotoxicity and molecular effects. *Nutrition and Cancer*, 73(4):630-641 (**ISI IF$_{2021}$ = 2.810, AIS$_{2021}$ = 0.490, Q3**)
7. **Cruceriu D**, Diaconeasa Z, Socaci S, Socaciu C, Rakosy-Tican E, Balacescu O, **2020**. Biochemical profile, selective cytotoxicity and molecular effects of *Calendula officinalis* extracts on breast cancer cell lines. *Notulae Botanicae Horti Agrobotanici* **48**(1):24-39 (**ISI IF$_{2020}$ = 1.444, AIS$_{2020}$ = 0.202, Q3**)
8. **Cruceriu D**, Erdelyi-Molnár I, Diaconeasa Z, Margineanu AM, Auror A, Rakosy-Tican E, **2020**. Comparative characterization of polyphenols and antioxidant activity under wound stress and of trichomes in the somatic hybrids *Solanum bulbocastanum* + *S. tuberosum* cv. 'Rasant'. *Studia UBB Chemia* 65(2):133-148 (**ISI IF$_{2020}$ = 0.447, AIS$_{2020}$ = 0.051, Q4**)
9. **Cruceriu D**, Balacescu O, Rakosy-Tican E, **2018**. *Calendula officinalis*: potential roles in cancer treatment and palliative care. *Integrative Cancer Therapy* 17(4):1068-1078 (**ISI IF$_{2018}$ = 2.634, AIS$_{2018}$ = 0.630, Q1**)
10. **Cruceriu D**, Erdelyi-Molnár I, Sconta Z, Aurori A, Socaciu C, Rakosy-Tican E, **2017**. *In Vitro* Culture as a Stressful Factor Triggers Different Physiological Responses in Somatic Hybrids between *Solanum tuberosum* and *S. bulbocastanum. Notulae Botanicae Horti Agrobotanici*, 45(1):75-81 (**ISI IF$_{2017}$ = 0.648, AIS$_{2017}$ = 0.178, Q4)**

- **Articole BDI**

11. Rakosy-Tican E, Thieme R, Aurori A, Erdelyi-Molnár I, Besenyei E, Mustață RA, Mărgineanu AM, **Cruceriu D, 2016**. The Application of Combinatorial Biotechnology in Improving Potato Resistance to Biotic and Abiotic Stress. *Studia Biologia* 61(1):79-88 (**BDI**)

D. Lucrări publicate în ultimii 10 anii în reviste şi volume de conferinţe cu referenţi (neindexate)

- Reviste

- Selecţie cu maximum 20 lucrări în volume de conferinţe

Conferințe științifice internaționale

1. **Cruceriu D**, Gavrilas L, Baldasici O, **2023**. Curcumin reverses the irinotecan acquired resistance in colorectal cancer cells, *in vitro* (Prezentare), *The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology*, Cluj-Napoca

2. **Cruceriu D**, Gavrilas L, Baldasici O, Balacescu L, Balacescu O, **2023**. The potential of curcumin in reversing the acquired resistance to irinotecan in colorectal cancer cells (Prezentare – invited speaker), *Third Edition of the OncoHub International Conference*,, București
3. **Cruceriu D**, Rakosy E, Socaciu C, Balacescu O, **2018**. *Calendula officinalis*: in vitro selective cytotoxic activities against breast cancer (Prezentare), *The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology*, Bucureşti

12. Conferințe științifice naționale

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E. Brevete obţinute în întreaga activitate

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Data:
04.07.2025

Semnătura:
Șef lucrări dr. Cruceriu Daniel

E – Brevete (pentru întreaga activitate)