

LISTA DE LUCRĂRI

(a) lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii

1. A.V. **Lupaescu**, M. Oroian, Advancements and obstacles in acrylamide detection and mitigation in food products, Food Chemistry: X, 102593, **2025**
2. AV **Lupaescu**, M Iavorschi, M Covasa, The Use of Bioactive Compounds in Hyperglycemia-and Amyloid Fibrils-Induced Toxicity in Type 2 Diabetes and Alzheimer's Disease Pharmaceuticals 14 (2), 235, **2022**.
3. AV **Lupaescu**, CS Mocanu, G Drochioiu, CI Ciobanu, Zinc Binding to NAP-Type Neuroprotective Peptides: Nuclear Magnetic Resonance Studies and Molecular Modeling, Pharmaceuticals 14 (10), 1011, **2021**.
4. **Lupaescu**, A.V., Humelnicu, I., Petre, B. A., Ciobanu, C.I., Drochioiu, G., Direct evidence for binding of aluminum to NAP anti amyloid peptide and its analogs, European Journal of Mass Spectrometry, n o. 26(2) 2), 106 116 , **2020**.
5. Jureschi, M.,* **Lupaescu**, A.V.,* Ion, L., Petre, B.A., Drochioiu G., Stoichiometry of heavy metal binding to peptides involved in Alzheimer's disease: mass spectrometric evidence, *Advances in Experimental Medicine and Biology*, 1140, 401-415, **2019**. (* - contribuții egale)
6. **Lupaescu**, A.V., Jureschi, M., Ciobanu, C.I., Ion, L., Zbancioc, G., Petre, B.A., Drochioiu G., FTIR and MS evidence for heavy metal binding to anti-amyloid NAP-like peptides, *International Journal of Peptide Research and Therapeutics*, no. 25(1), p. 303-309, **2019**.
7. M Iavorschi, AV **Lupaescu**, L. Darie-Ion, M. Indeykina, GE Hitruc, BA Petre, Cu and Zn Interactions with Peptides Revealed by High-Resolution Mass Spectrometry. Pharmaceuticals, **2022**, 15(9), 1096.
8. R.E. Gheorghita, A.V. **Lupaescu**, A.M.a Gâtlan, D. Dabija, A. Lobiuc, O.C. Iatcu, A. Buculei, A. Andriesi, A. Dabija, Biopolymers-Based Macrogels with Applications in the Food Industry: Capsules with Berry Juice for Functional Food Products, Gels 10 (1), 71, **2024**
9. Caliman-Sturdza, O. A., Vaz, J. A., **Lupaescu**, A. V., Lobiuc, A., Bran, C., & Gheorghita, R. E. Antioxidant and Anti-Inflammatory Activities of Probiotic Strains. International Journal of Molecular Sciences, 27(2), 1079. **2026**
10. R.E. Gheorghita, R. Filip, A.V. **Lupaescu**, M. Iavorschi, L. Anchidin-Norocel, G. Gutt, Innovative Materials with Possible Applications in the Wound Dressings Field: Alginate-Based Films with Moringa oleifera Extract, Gels 9 (7), 560, **2023**

(b) teza sau tezele de doctorat;

Analogi ai peptidei neuroprotectoare NAP: sinteză, caracterizare și interacțiune cu ioni metalici, Coordonator științific: Prof. univ. dr. Gabi DROCHIOIU, Seria I. Nr. 0008517, Ordinul Ministrului Educației Naționale nr. 4021 din 07.04.2020.

(c) brevete de invenție și alte titluri de proprietate industrială;

(d) cărți și capitole în cărți;

1. Danela Murariu, Voichita Has, Domnica-Daniela Placinta, Diana-Camelia Batir Rusu, **Ancuta-Veronica Lupaescu**, Monica Iavorschi, Carmen-Daniela Vana, Mihai Miclaus & Violeta Simioniuc (2025). Romania Maize Gene Bank. In: Al-Khayri, J.M., Salem, K.F.M., Jain, S.M. (eds) Plant Gene Banks. Springer, Singapore. https://doi.org/10.1007/978-981-99-4236-7_81-1
2. **Lupăescu, A.-V.**, & Iavorschi, M. (2024). Capitolul 7. Particularități biochimice ale populațiilor locale de porumb din colecția BRGV Suceava. În D. Murariu et al., *Partea I. Caracterizarea populațiilor locale de porumb din România* (pp. 288–336). Editura PIM, Iasi.

(e) articole/studii in extenso, publicate în reviste din fluxul științific internațional;

1. V. Amaritei, P.E. Buruiana, R. Filip, Florin Filip, A.V. **Lupaescu**, M. Iavorschi, R.E. Gheorghita, Effects of Guarana and Green Tea Consumption on Students' Intellectual Performances, *Nutrients* 17 (6), 1000, **2025**
2. **Lupaescu, AV**; Ion-Darie, L; Petre, BA; Ursachi, F; Oroian Proteomic Analysis and Antioxidant Evaluation of Ultrasound-Assisted Pollen Extracts, *ACTA CHEMICA IASI*, , M, **2022**
3. Ion, L., **Lupaescu, A. V.**, Neamtu A., Drochioiu, G., Petre, B. A., Binding Affinities Studies of Nitrated Model Peptides to Monoclonal Anti 3 nitrotyrosine Antibody , *Revista de Chimie*, no. 7 (11), 259 265, **2020**.
4. **Lupaescu, A.V.**, Sandu, I., Petre, B.A., Ion, L., Ciobanu, C.I., Drochioiu G., NAP neuroprotective peptide and its analogs: Copper and iron binding and reduction, *Revista de Chimie*, no. 70(5), p. 1784-1790, **2019**.
5. **Lupaescu, A.V.**, Ciobanu, C.I., Humelnicu, I., Petre, B.A., Murariu, M., Drochioiu G., Design and synthesis of new anti-amyloid NAP-based/like peptides, *Revue Roumaine de Chimie*, no. 64(6), p. 535-546, **2019**

(f) publicații in extenso, apărute în lucrări ale conferințelor internaționale de specialitate;

1. Assessing antioxidant activity in aloe vera gel powder: A comparative study of drying methods, Delia Ivan, Monica Iavorschi, **Ancuta-Veronica Lupaescu**, E3S Web of Conferences, **2024**
2. Biosynthesis and characterization of silver nanoparticles antioxidant films from aloe vera dried gel, **Ancuța-Veronica Lupăescu**, Florin Ursachi, Aurelian Rotaru, International Multidisciplinary Scientific GeoConference: SGEM, **2024**
3. Analysis of protein content and evaluation of antioxidant activity of linden and hawthorn pollen, **Ancuța-Veronica Lupăescu**, Brîndușa-Alina Petre, Monica Iavorschi, Mircea Oroian, International Multidisciplinary Scientific GeoConference: SGEM, **2022**
4. Enhancing the antioxidant activity of chamomile: exploring the impact of ultrasound on protein extraction, **Ancuța-Veronica Lupăescu**, Nicoleta Flutur, Brîndușa-Alina



Petre, Monica Lavorschi, Florin Ursachi, International Multidisciplinary Scientific GeoConference: SGEM, 2023

5. Ion, L., Jureschi, M., **Lupaescu, A.**, Petre, B. A., Drochioiu, G., Metal ions binding to amyloid-beta and neuroprotective NAP-like peptides: MS, FT-IR and AFM investigations. vol 20: 259-266, ISBN: 978-619-7603-12-5, ISSN: 1314-2704, 2020. DOI: 10.5593/sgem2020/6.1/s25.034
6. Ciobanu, C., **Lupaescu, A.-V.**, Drochioiu, G., Study of zinc binding to neuroprotective peptides, 19th International Multidisciplinary Scientific GeoConference SGEM 2019 - *Conference proceedings, Advances in Biotechnology 19*, 905-912, 2019. DOI: 10.5593/sgem2019/6.1/S25.117
7. Jureschi, M., Drochioiu, G., **Lupaescu, A.-V.**, Petre, B.A., Ciobanu, C.I., Binding of heavy metal ions to amyloid- β peptides: interactions with NAP peptides., 19th International Multidisciplinary Scientific GeoConference SGEM 2019 - *Conference proceedings, Advances in Biotechnology 19*, 583-590, 2019. DOI: 10.5593/sgem2019/6.1/S25.075
8. Ion, L., Drochioiu, G., **Lupaescu, A.-V.**, Jureschi, M.; Petre, B.A., Amyloid- β and anti-amyloid peptides involved in Alzheimer's disease: Interactions with metal ions. 19th International Multidisciplinary GeoConference SGEM 2019 - *Conference proceedings, Advances in Biotechnology 19*, 515-522, 2019. DOI: 10.5593/sgem2019/6.1
9. Drochioiu, G., Murariu, M., Jureschi, M., **Lupaescu, A.-V.**, Closca, M-C., Heavy metal binding to peptides at higher pH: Novel ESI-MS approach, 18th International Multidisciplinary Scientific GeoConference SGEM 2018 - *Conference proceedings, Advances in Biotechnology 18*, 361-368, 2018. DOI: 10.5593/sgem2018/6.2

(g) alte lucrări și contribuții științifice sau, după caz, din domeniul creației artistice.

25.05.2026

