

LISTA DE LUCRĂRI

(conform cu prevederile art.15 din H.G. 457/2011)

C.S. dr. chim. Lupăescu Ancuța-Veronica

a) Lista celor maximum 10 lucrări considerate de candidat a fi cele mai relevante pentru realizările profesionale proprii, care sunt incluse în format electronic în dosar și care se pot regăsi și în celelalte categorii de lucrări prevăzute de art.15 din Hotărârea nr. 457/2011, modificată;

1. **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*, no. 26(2), p. 106-116, **2020**. DOI:10.1177/1469066719877714, WOS:000490155000001, **FI = 1,175**
2. **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-amyloidal NAP-like peptides, *International Journal of Peptide Research and Therapeutics*, no. 25(1), p. 303-309, **2019**. DOI:10.1007/s10989-018-9672-2, WOS:000457490500030, **FI = 1,219**
3. **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**. WOS:000472891700010 **FI = 0,395**
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**. WOS:000470086400056 **FI = 1,605**
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**. DOI: 10.1007/978-3-030-15950-4_23 WOS:000514082500024, **FI = 2,126** (* - contribuții egale)
6. 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

7. 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
8. 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
9. 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
10. 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

b) Teza sau tezele de doctorat;

Analogi ai peptidei neuroprotectoare NAP: sinteză, caracterizare și interacțiune cu ionii 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;

e) Articole/studii *in extenso*, publicate în reviste din fluxul științific internațional principal;

1. Ion, L., Lupaescu, A.V., Neamtu, A., Drochioiu, G., Petre, B.A., Binding Affini ties Studies of Nitrated Model Peptides to Monoclonal Anti 3 nitrotyrosine Antibody, *Revista de Chimie*, no. 71(1), p. 259-265, **2020**. DOI: 10.37358/RC.20.1.7843, **IF = 1,755**

2. **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*, no. 26(2), p. 106-116, **2020**. DOI:10.1177/1469066719877714, WOS:000490155000001, **FI = 1,175**
3. **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**. DOI:10.1007/s10989-018-9672-2, WOS:000457490500030, **FI = 1,219**
4. **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**. WOS:000472891700010 **FI = 0,395**
5. **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**. WOS:000470086400056 **FI = 1,605**
6. 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**. DOI: 10.1007/978-3-030-15950-4_23 WOS:000514082500024, **FI = 2,126** (* - contribuții egale)

f) Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate;

1. 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
2. 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

3. 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
4. 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
5. 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.

27.05.2021

