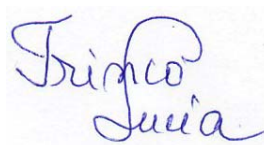


18. List of the maximum 10 research articles considered by the candidate to be the most relevant to their professional achievements, which are included in the submitted electronic file

- 1. Trincă L.C., Volf M., Avarvarei I., Boghian V., Bianu E., 2009 -Bovine mineral profile as part of food safety monitoring soil-plant-animal chain in Iasi area, *Lucr. Stiintif. UAMV, Seria Medicina Veterinara*, vol.52(11), pag. 333-341, ISSN 1454-7406.**
http://www.uaiasi.ro/simpozion_med/Revista/arhiva.php?an=2009
- 2. Trincă L.C., Nichifor M. , Stanciu C., 2009 - Research on the biochemical properties of the aminated dextrin derivatives, *Lucr. Stiintif. UAMV, Seria Medicina Veterinara*, vo.152(11), pag. 323-332, ISSN 1454-7406.**
http://www.uaiasi.ro/simpozion_med/Revista/arhiva.php?an=2009
- 3. Trincă L.C., Volf M., Avarvarei I., Boghian V., 2009 - Bovine (metabolic) energetic profile as part of food safety monitorisation of the chain soil-plant-animal in Iasi area, *Lucrări Științifice UȘAMV, Seria Medicina Veterinara*, vol.52(11), pag. 316-322, ISSN 1454-7406.**
http://www.uaiasi.ro/simpozion_med/Revista/arhiva.php?an=2009
- 4. Trincă L.C., Căpraru A.M., Arotăriței D.,Volf I., Chirută C., 2014 - Monitoring methods and predictive models for water status in Jonathan apples, *Food Chemistry*, vol. 144 (1), pag. 80-86, IF=4.052, AIS =0.8, ISSN: 0308-8146.**
<http://dx.doi.org/10.1016/j.foodchem.2013.05.131>
- 5. Trincă L.C., Fîntînariu M., Solcan C., Trofin A.E., Burtan L., Acatrinei D.M., Stanciu S., Istrate B., Munteanu C., 2015 - In vivo degradation behavior and biological activity of some new Mg–Ca alloys with concentration's gradient of Si for bone grafts, *Appl.Surf. Sci.*, 2015, vol. 352, pag. 140-150, IF=3.150, AIS =0.5, ISSN: 0169-4332.**
<http://dx.doi.org/10.1016/j.apsusc.2015.03.136>
- 6. Fîntînariu M , Trincă L.C., Solcan C., Trofin A.E., Strungaru S.; Sindilar E.V; Plavan G. Stanciu S., 2015 - A new Fe-Mn-Si alloplastic biomaterial as bone grafting material: In vivo study, *Appl.Surf. Sci.*, 2015, vol. 352 , pag. 129-139, IF=3.150, AIS =0.5, ISSN: 0169-4332.**
<http://dx.doi.org/10.1016/j.apsusc.2015.04.197>
- 7. Cara I.G., Trincă L.C., Trofin A.E., Cazacu A., Țopa D., Peptu C.A., Jităreanu G., 2015 - Assessment of some straw-derived materials for reducing the leaching potential of Metribuzin residues in the soil, *Appl.Surf. Sci.*, Vol. 358, Part B, pag. 586-594, IF=3.150, AIS =0.5, ISSN: 0169-4332.**
<http://dx.doi.org/10.1016/j.apsusc.2015.08.141>

8. Galeş D.C., **Trincă L.C.**, Cazacu A., Peptu C.A., Jităreanu G., **2016** - *Effects of a hydrogel on the cambic chernozem soil's hydrophysic indicators and plant morphophysiological parameters*, **Geoderma**, vol . **267**, pag **102–111**, *IF= 2.855, AIS =0.9*, ISSN: 0016-7061.
<http://dx.doi.org/10.1016/j.geoderma.2015.12.008>
9. **Trincă L.C.**, Mareci D., Cimpoeşu N., Călin M., Stan T., **2016**- *Influence of hydrogen peroxide on the corrosion of thermal oxidized ZrTi alloys in phosphate buffered saline solution*, **Materials and Corrosion**, vol. **67(10)**, pag. **1088-1095**, *IF=1.450, AIS =0.3*, ISSN: 0947-5117.
<http://onlinelibrary.wiley.com/doi/10.1002/maco.201508785/full>, DOI:10.1002/maco.201508785
10. Mareci D., Fernandez-Perez, B. M., **Trinca L.C.**, Fotea L., Souto R.M., **2016**, *Electrochemical investigation of the corrosion resistance of Ti20Mo alloys in simulated physiological solution with added proteins for biomaterial application*, **International Journal of Electrochemical Science**, vol. **11(8)**, pag. **6922-6932**, *IF=1.692, AIS=0.3*, ISSN: 1452-3981.
<http://www.electrochemsci.org/papers/vol11/110806922.pdf>

**Note: all scientific papers are conducted after associate professor promotion*

A handwritten signature in blue ink, reading "Trinco Lucia". The signature is written in a cursive, flowing style.