

LISTA LUCRĂRILOR ȘTIINȚIFICE PUBLICATE

A. Articole *in extenso* publicate în reviste cotate ISI

1. Baricz A. Levei EA. Șenilă M. Pînzaru SC. Aluaș M. Vulpoi A. Filip C. Tripon C. Dădârlat D. Buda DM. Dulf FV. Pinteana A. **Cristea A.** Muntean V. Keresztes ZG. Alexe A. Banciu HL. (2021). Comprehensive mineralogical and physicochemical characterization of recent sapropels from Romanian saline lakes for potential use in pelotherapy. *Scientific Reports*. 11(1): 1-16. <https://doi.org/10.1038/s41598-021-97904-1>
AIS (2020) = 1.285
IF (2020) = 4.380
Q1
2. **Cristea A.** Pustan M. Birleanu C. Dudescu C. Floare CG. Tripon AM. Banciu HL. (2021). Mechanical evaluation of solvent casted poly(3-hydroxybutyrate) films derived from the storage polyesters produced by *Halomonas elongata* DSM 2581^T. *Journal of Polymers and the Environment*. 30: 424-430. <https://doi.org/10.1007/s10924-021-02204-4>
AIS (2020) = 0.401
IF (2020) = 3.667
Q2 (Polymer Sciences)
3. Șuteu AM. Momeu L. Battes PK. Baricz A. **Cristea A.** Bulzu PA. Buda DM. Banciu HL. Cîmpean M. (2021). Diversity and distribution of phototrophic primary producers in saline lakes from Transylvania, Romania. *Plant Systematics and Evolution*. 307(1): 1-11. <https://doi.org/10.1007/s00606-020-01733-0>
AIS (2020) = 0.437
IF (2020) = 1.631
Q4 (Evolutionary Biology)
4. Baricz A. Chiriac CM. Andrei AȘ. Bulzu PA. Levei EA. Cadar O. Battes KP. Cîmpean M. Șenilă M. **Cristea A.** Muntean V. Alexe M. Coman C. Szekeres EK. Sicora CI. Ionescu A. Blain D. O'Neill WK. Edwards J. Hallsworth JE. Banciu HL. (2020). Spatio-temporal insights into microbiology of the freshwater-to-hypersaline, oxic-hypoxic-euxinic waters of Ursu Lake. *Environmental Microbiology*. 23(7): 3523-3540. <https://doi.org/10.1111/1462-2920.14909>
AIS (2020) = 1.657
IF (2020) = 5.491
Q1

5. **Cristea A.** Baricz A. Leopold N. Floare CG. Borodi G. Kacso I. Tripon S. Bulzu PA. Andrei AŞ. Cadar O. Levei EA. Banciu HL (2018). Polyhydroxybutyrate production by an extremely halotolerant *Halomonas elongata* strain isolated from the hypersaline meromictic Făără Fund Lake (Transylvanian Basin, Romania). *Journal of Applied Microbiology*. 125(5): 1343-1357. <https://doi.org/10.1111/jam.14029>
AIS (2018) = 0.629
IF (2018) = 2.683
Q2
6. Alexe M. Şerban G. Baricz A. Andrei AŞ. **Cristea A.** Battes KP. Cîmpean M. Momeu L. Muntean V. Porav AS. Banciu HL. (2018). Limnology and plankton diversity of salt lakes from Transylvanian Basin (Romania): a review. *Journal of Limnology*. 77(1): 17-34. <https://doi.org/10.4081/jlimnol.2017.1657>
AIS (2018) = 0.517
IF (2018) = 1.606
Q3
7. Baricz A. **Cristea A.** Muntean V. Teodosiu G. Andrei AŞ. Molnar I. Alexe M. Rakosy-Tican E. Banciu HL. (2015). Culturable diversity of aerobic halophilic archaea (Fam. Halobacteriaceae) from hypersaline, meromictic Transylvanian lakes. *Extremophiles*. 19(2): 525-537. <https://doi.org/10.1007/s00792-015-0738-1>
AIS (2015) = 0.576
IF (2015) = 2.046
Q3 (Microbiology)

B. Articole *in extenso* publicate în reviste neindexate

1. **Cristea A.** Andrei AŞ. Baricz A. Muntean V. Banciu HL. (2014). Rapid assessment of carbon substrate utilization in the epilimnion of meromictic Ursu lake (Sovata, Romania) by the BIOLOG Ecoplate approach. *Studia UBB Biologia*. 59(1): 41-53. http://studia.ubbcluj.ro/arhiva/abstract.php?editie=BIOLOGIA&nr=1&an=2014&id_art=12535

C. Articole *in extenso*, apărute în lucrări ale conferințelor internaționale de specialitate (Jurnal indexat BDI)

1. Bulzu PA. **Cristea A.** Buda DM. Banciu HL. (2019). Asgardarchaeota – a novel prokaryotic group discovered in aquatic sediments that might shed light on the origin and early evolution of eukaryotes. *Aerul si Apa: Componente ale Mediului/ Air and Water: Components of the Environment*. ISSN 2067-743X. pp. 435-446. doi: 10.24193/AWC2019_43 (http://doi.org/10.24193/AWC2019_43)
AIS și IF nu sunt acrodate
2. Buda DM. Bulzu PA. **Cristea A.** Banciu HL. (2019). The saline aquatic systems as 'natural reservoirs' for microorganisms with current and potential applications. *Aerul si Apa: Componente ale Mediului/ Air and Water: Components of the Environment*. ISSN 2067-743X. pp. 427-434. doi: 10.24193/AWC2019_42. (http://doi.org/10.24193/AWC2019_42)
AIS și IF nu sunt acrodate

D. Teza de Doctorat

1. Titlul tezei de doctorat:
Sinteza polihidroxicanoatilor de către bacteria extrem halotolerantă *Halomonas elongata*
Titlul tezei de doctorat în limba engleză:
Synthesis of polyhydroxyalkanoates in the extremely halotolerant bacterium *Halomonas elongata*
Domeniul de doctorat:
Biologie
Conducător de doctorat:
Prof. Univ. Dr Horia-Lonard Banciu
Data susținerii tezei de doctorat:
12 Noiembrie 2021