

A N E X A 4 . 1

Nume Prenume: DRĂGHICI Ioana

Gradul didactic: Șef de lucrări

Instituția unde este titular: Universitatea Babeș-Bolyai

Facultatea: Biologie și Geologie

Departamentul: Biologie Moleculară și Biotehnologie

L I S T A

lucrărilor științifice în domeniul disciplinelor din postul didactic

A. Teza de doctorat

Doctor in **Biologie** al Universității “Babeș-Bolyai” din Cluj-Napoca – 14 Martie 2019

Titlul tezei: “*Maternal lineages of historical populations at the gates of Europe*”.

Conducător științific: **Prof. Dr. BANCUIU Horia Leonard**

Titlul a fost conferit în baza Ordinului Ministrului Educației, Cercetării și Tineretului **nr. 4193 din 29.05.2019**

B. Cărți si capitole în cărți publicate în ultimii 10 ani

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

• ISI, în calitate de autor principal

1. Mircea, C., **Rusu, I.***, Levei, E. A., Cristea, A., Gridan, I. M., Zety, A. V. & Banciu, H. L. 2024. The Fungal Side of the Story: Saprotrophic- vs. Symbiotrophic-Predicted Ecological Roles of Fungal Communities in Two Meromictic Hypersaline Lakes from Romania. *Microbial Ecology*, 87, 130, <https://doi.org/10.1007/s00248-024-02446-4>.
2. Paica, IC., **Rusu, I.***, Popescu, O., Brînzan, A., Pencea, I., Dobrinescu, C., Kelemen, B., 2023. Tentative indicators of malaria in archaeological skeletal samples, a pilot study testing different methods. *International Journal of Paleopathology*. 1;40:109-16. <https://doi.org/10.1016/j.ijpp.2023.01.004>.
3. Acatrinei, A., **Rusu, I.***, Mircea, C., Zagrean-Tuza, C., Gál, E., et al., 2021. Shedding Light on the Dark Ages: Sketching Potential Trade Relationships in Early Medieval Romania through Mitochondrial DNA Analysis of Sheep Remains. *Diversity*, 13(5), p.208, <https://doi.org/10.3390/d13050208>.
4. Gînguță, A., **Rusu, I.***, Mircea, C., Ioniță, A., Banciu, H.L. and Kelemen, B., 2021. Mitochondrial DNA Profiles of Individuals from a 12th Century Necropolis in Feldioara (Transylvania). *Genes*, 12(3), p.436, <https://doi.org/10.3390/genes12030436>.

5. **Rusu, I.**, Paica, I., Vulpoi, A., Radu, C., Mircea, C., Dobrinescu, C., Bodolică, V. and Kelemen, B., 2019. Dual DNA-protein extraction from human archeological remains. *Archaeological and Anthropological Sciences*, 11(7), pp.3299-3307, <https://doi.org/10.1007/s12520-018-0760-1>.
6. **Rusu, I.**, Modi, A., Radu, C., Mircea, C., Vulpoi, et al., 2019. Mitochondrial ancestry of medieval individuals carelessly interred in a multiple burial from southeastern Romania. *Scientific reports*, 9(1), pp.1-12, <https://doi.org/10.1038/s41598-018-37760-8>.
7. **Rusu, I.**, Radu, C., Țentea, O., Popescu, O. and Kelemen, B., 2019. A probable case of infantile cortical hyperostosis in 2nd–4th centuries AD Romania. *International journal of paleopathology*, 26, pp.8-13, <https://doi.org/10.1016/j.ijpp.2019.05.004>
8. **Rusu, I.**, Modi, A., Vai, S., Pilli, E., Mircea, C., et al., 2018. Maternal DNA lineages at the gate of Europe in the 10th century AD. *PLoS One*, 13(3), p.e0193578, <https://doi.org/10.1371/journal.pone.0193578>
- ISI, în calitate de coautor
 9. Topârcean, A. M., Acatrinei, A., **Rusu, I.**, Feștilă, D., Câmpian, R. S., Kelemen, B. & Ghergie, M. C. D. 2024. Genetic Insights into Skeletal Malocclusion: The Role of the *FBN3* rs7351083 SNP in the Romanian Population. *Medicina*, 60 (7), 1061, <https://doi.org/10.3390/medicina60071061>.
 10. Rosengren, E., Acatrinei, A., Cruceru, N., Dehasque, M., Haliuc, A., Lord, E., Mircea, C.I., **Rusu, I.**, et al., 2021. Ancient Faunal History Revealed by Interdisciplinary Biomolecular Approaches. *Diversity*, 13(8), p.370, <https://doi.org/10.3390/d13080370>.
 11. Mircea, C., Vulpoi, A., **Rusu, I.**, Radu, C., Pârvu, M. and Kelemen, B., 2019. Exploring post-excavation degradation potential of fungal communities associated with archaeological human remains. *Archaeometry*, 61(3), pp.750-763, <https://doi.org/10.1111/arcm.12438>.
- BDI
 12. Topârcean, A. M., Acatrinei, A., **Rusu, I.**, Mircea, C., Feștilă, D., Lucaciu, O. P., Câmpian, R. S., et al. 2024b. *MATN1* gene variant (rs1065755) and malocclusion risk: Evidence from Romanian population analysis. *Studia Universitatis Babeș-Bolyai, Biologia*, 69(1), <https://doi.org/10.24193/subbbiol.2024.1.09>.
 13. Topârcean, A.M., Acatrinei, A., **Rusu, I.**, Mircea, C., Feștilă, D., et al., 2021. Preliminary data regarding the influence of the *COL1A1* rs2249492 polymorphism on the risk of malocclusion in the Romanian population. *Studia Universitatis Babeș-Bolyai, Biologia*, 66(2).
 14. Mățău, F., Matricală, A.L., Bele, A., **Rusu, I.**, Gorgan, D.L. and Bolohan, N., 2017. Diagenetic analysis and historical interpretations. Case studies from eastern Romania. *Studia Antiqua et Archaeologica*, 23(2), pp.227-247.
 15. **Rusu, I.** and Kelemen, B., 2014. A brief overview of the mitochondrial DNA as molecular marker in bioarchaeology. *Studia Universitatis Babeș-Bolyai Biologia*, 59, p.145.
 16. **Rusu, I.**, Radu, C., Oltean, A., Dobrinescu, C. and Kelemen, B., 2014. Analysis of kinship using mitochondrial DNA: A case study from a 10th century medieval population in Capidava (Constanța, România). *Annuaire Roumain d'Anthropologie*, 51:11-19.

D. Lucrări publicate în ultimii 10 ani în reviste și volume de conferințe cu referenți (neindexate)**- Reviste**

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- Selecție cu maximum 20 lucrări în volume de conferințe

1. **Drăghici I., (2024)** Unlocking the Past: Exploring the Biocultural Landscape of a Pre-Modern Necropolis in Southeastern Romania, *BIOTA - Biodiversity, Traditions, and Present*, ed. IX (May 17-18, 2024), Cluj-Napoca (prezentare orală)
2. **Drăghici I., (2023)** Unveiling malaria's traces through new hemozoin detection techniques, *International Symposium on Malaria Studies: Towards an Archaeology of Malaria*, 16 June 2023, University of Leiden (invited speaker, prezentare orală)
3. **Drăghici (Rusu) I., (2023)** Popescu O., Vitalie B., Dobrinescu C., Kelemen B., A peek into the life and death of historical individuals with unknown cultural background from romanian archaeological context, *29th Annual Meeting of the European Association of Archaeologists (EAA)* in Belfast, Northern Ireland, 30 August - 2 September 2023 (poster)
4. **Rusu I., Mircea C, Banciu HL. (2022)** The fungal side of the story: saprotrophic- vs. symbiotrophic-predicted ecological roles of fungal communities in two hypersaline salt lakes from Romania. *13th Conference on Halophilic Microorganisms: HALOPHILES2022*, 26.06 – 29.06, Alicante, Spain (prezentare orală).
5. **Rusu I, Modi A, Radu C, Mircea C, Vulpoi A, Dobrinescu C, Bodolică V, Potârniche T, Popescu O, Caramelli D, Kelemen B (2018)** Mitogenomic data of medieval individuals “dumped” in a common burial pit from southeastern Romania. *EAA Barcelona*, 05.09-08.09, Barcelona, Spania (poster).
6. **Rusu I, Radu C, Dobrinescu C, Bodolică V, Kelemen B (2016)** The story told by Mireasa (Constanța) Bronze Age barrow -interdisciplinary approach. *EAA Vilnius*, 31.08 - 4.09, Vilnius, Lituania (prezentare orală).
7. **Rusu I (2016)** Methods for mitochondrial DNA typing in ancient human populations. *Young Researchers in BioSciences*, 25 - 31 iul., Cluj-Napoca, România (prezentare orală).
8. **Rusu I, Urduzia C, Dobrinescu C, Kelemen B (2015)** Genetics of a medieval population from Capidava, Constanța. *Interethnic Relations in Transylvania. Militaria Mediaevalia in Central and South-Eastern Europe*, 15 - 18 oct., Sibiu, România (prezentare orală).

E. Brevete obținute în întreaga activitate

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Data:

05.05.2025

Semnătura:

Șef lucrări dr. Ioana DRĂGHICI

