

Lista de lucrări științifice

Candidat – Șef lucr. dr. Dan Mircea Tămaș

Articole/studii, publicate în reviste din fluxul științific internațional (ISI, BDI)

1. **Tămaș, D.M.**, Tămaș, A., Hajdas, I., Sava, G.O., Poncos, V. and Teleaga, D. 2025. Quaternary to recent uplift rates of salt diapirs in the Romanian Carpathians determined from radiocarbon dating and PSInSAR data. Nature Scientific Reports, 15, 23379, <https://doi.org/10.1038/s41598-025-08293-8>
2. **Tămaș, D.M.**, Dohan, D., Barabasch, J., Tămaș, A., Schlöder, Z., Krézsek, C., and Urai, J.L., 2025, A Review of Salt Tectonics in Romania's Transylvanian Basin and Implications for Energy Transition, In: Tari G.C., Kitchka A., Krézsek C., Lučić D., Markič M., Radivojević D., Sachsenhofer R.F. and Šujan M. eds., The Miocene Extensional Pannonian Superbasin, Volume 2: Geoenergy Exploration, Geological Society of London, Special Publications, 555, <https://doi.org/10.1144/SP555-2024-9>
3. Tămaș, A., Holdsworth, R, **Tămaș, D.M. (corresponding)**, Dempsey, E., Hardman, K., Bird, A., Underhill, J.R., McCarthy, D., McCaffrey, K.J.W. and Selby, D., 2025, Unravelling the sequence and timing of fault-related deformation in superimposed rift basins, Inner Moray Firth, NE Scotland. Lithosphere, https://doi.org/10.2113/2024/lithosphere_2024_183
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5. Tămaș, A., **Tămaș, D.M. (corresponding)**, Tari, G., Krezsek, C., Lapadat, A., and Schleder, Z. 2023. Does the syn- versus post-rift thickness ratio have an impact on the inversion-related structural style? Solid Earth, 14, 741–761. <https://doi.org/10.5194/se-14-741-2023>
6. Schleder, Z., Lăpădat, I.A., Trandafir, G., Fernández, O., **Tămaș, D.M.**, Tămaș, A., Filipescu, S., Krézsek, C., Radioas, M.A., Vasiliu, M., 2023. Structural inheritance and style within the Getic Depression, South Carpathians, Romania, Marine and Petroleum Geology, 148, 106068. <https://doi.org/10.1016/j.marpetgeo.2022.106068>

7. Tămaş, A., Holdsworth, R., **Tămaş, D.M. (corresponding)**, Dempsey, E., Hardman, K., Bird, A., Underhill, J.R., McCarthy, D., McCaffrey, K.J.W. and Selby, D., 2023, Using UAV-Based Photogrammetry Coupled with In Situ Fieldwork and U-Pb Geochronology to Decipher Multi-Phase Deformation Processes: A Case Study from Sarclet, Inner Moray Firth Basin, UK. *Remote Sensing*, 15, 695, 1-22. <https://doi.org/10.3390/rs15030695>
8. Bercea, R.I., Balc, R., Tămaş, A., Filipescu, S., **Tămaş, D.M.**, Guillong, M., Szekely, S.F., Lukacs, R. 2023. Insights into the palaeoenvironments, structure and stratigraphy of the lower Miocene of the Eastern Carpathians Bend Zone, Romania. *Geological Quarterly*, 67(2), 25-50. <http://dx.doi.org/10.7306/gq.1673>
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11. **Tămaş, D.M.**, Kis, B.M., Tămaş, A. and Szalay, R., 2022, Identifying CO2 Seeps in a LongDormant Volcanic Area Using Uncrewed Aerial Vehicle-Based Infrared Thermometry: A Qualitative Study. *Sensors*, 22(7), 2719. <https://doi.org/10.3390/s22072719>
12. Harthy, S.A., Bauer, W., Handoniaina, J.A.N., Maawali, H.A., Wischer, J. and **Tămaş, D.M.**, 2022, Tectonics and kinematics of an Alpine shear zone near As Sifah (NE Oman). *Arabian Journal of Geosciences*, 15(588), 1-8. <https://doi.org/10.1007/s12517-022-09887-6>
13. **Tămaş, D.M.**, Tămaş, A., Barabasch, J., Rowan, M.G., Schleder, Z., Krézsek, C. and Urai, J.L., 2021, Low-angle shear within the exposed Mânzăleşti diapir, Romania: Salt decapitation in the Eastern Carpathians fold-and-thrust belt. *Tectonics*, 40, e2021TC006850. <https://doi.org/10.1029/2021TC006850> IF(2020)=4.85
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15. Tămaş A., **Tămaş D.M. (corresponding)**, Krezsek C., Schleder Z., Palladino G. and Bercea R., 2020, The Nature and Significance of Sand Intrusions in a Hydrocarbon-rich Fold and Thrust Belt: Eastern Carpathians Bend Zone, Romania, *Journal of the Geological Society*, 177 (2), 343-356. <https://doi.org/10.1144/jgs2019-107> **IF(2020)=3.8**
16. **Tămaş, D.M.**, Schléder, Z., Tămaş, A., Krézsek, C., Copoţ B. and Filipescu, S., 2020, Middle Miocene evolution and structural style of the Diapir Fold Zone, Eastern Carpathian Bend, Romania: insights from scaled analogue modelling, In: Hammerstein, J., Di Cuia, R., Griffiths, P., Cottam, M., Zamora, G., and Butler, R. eds, *Fold and Thrust Belts; Fold and Thrust Belts: Structural Style, Evolution and Exploration*, Geological Society of London, Special Publications 490, 267-284. <https://doi.org/10.1144/SP490-2019-091>
17. Filipescu, S., **Tămaş D.M.**, Bercea R., Tămaş A., Bălc, R., Țabără, D., Bindiu-Haitonic, R., Silye, L., Auer, A., Krézsek, C., Schléder, Z., and Săsăran, E., 2020, The biostratigraphic reevaluation of the lower to middle Miocene formations from the Eastern Carpathians: a case study related to the oil fields of the Diapir Fold Zone, Romania. *Geological Quarterly*, 64(3), 781-800. <https://doi.org/10.7306/gq.1554> **IF(2020)=1.35**
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20. **Tămaş, D.M.**, Schléder, Z., Krézsek, C., Man, S. and Filipescu, S., 2018, Understanding salt in orogenic settings: the evolution of ideas in the Romanian Carpathians, *AAPG Bulletin*, 102(6): 941-958. <https://doi.org/10.1306/0913171615517088> **IF(2018)=2.677**
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Capitole

1. **Tămaş D.M.**, Tămaş A., Jüstel, A.M., Passchier, M., Chudalla, N., Gotzen, L., Pizano-Wagner, L.A., Taşcu-Stavre, T., Schlöder, Z., Krézsek, C. and Filipescu, S., 2021, A Field Guide to the Spectacular Salt Mines of the Transylvanian Basin and Romanian Carpathians. In: Mukherjee S. (eds) Structural Geology and Tectonics Field Guidebook — Volume 1. Springer Geology, 167-187. https://doi.org/10.1007/978-3-030-60143-0_6

Alte lucrări şi contribuţii ştiinţifice

1. **Tămaş, D.M.**, Tămaş, A., Barabasch, J., Rowan, M.G., Schleder, Z., Krézsek, C. and Urai, J.L., 2021, Do diapirs ever lose their heads? Insights from analogue modelling, surface and subsurface data. "Ion Popescu-Voiteşti" Annual Scientific Session, Cluj-Napoca, Romania, Abstract Book, Presa Universitară Clujeană, p. 28.
2. Copoţ, B., **Tămaş, D.M.**, Tămaş, A., Krézsek, C., Schleder, Z., Trandafir, G.T. and Filipescu S., 2021, Understanding the Maeotian to Recent evolution of diapirs in the Eastern Carpathian Bend Zone, Romania: insights from scaled analogue modelling experiments. "Ion Popescu-Voiteşti" Annual Scientific Session, Cluj-Napoca, Romania, Abstract Book, Presa Universitară Clujeană, p. 16-17.
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6. Adamuszek, M., **Tămaş, D.M.**, Barabasch, J., and Urai, J. L.: Role of impurities within the salt layers on the long-term rheological variations within the evaporite sequence. A case study from the Ocnele Mari salt mine, Romania, EGU General Assembly 2021,

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16. **Tămaş, D.M.**, Urai, J.L., Barabasz, J., Schlöder, Z. and Krézsek, C., 2019, The internal structure of five salt diapirs in the Romanian Carpathians and Transylvanian Basin: a first look. AAPG GTW EuroAsian Mature Salt Basins, April 2019, Krakow, Poland.
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25. **Tămaş, D.M.**, Tămaş, A., Schléder, Z., Krézsek, C. and Filipescu, S., 2018, Salt tectonics in the Eastern Carpathian Bend Zone, Romania: an analogue modelling approach, Geophysical Research Abstracts, vol. 20, EGU General Assembly 2018, Vienna, Austria.
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30. **Tămaş, D.M.**, Schléder, Z., Krézsek, C., Man, S., Gangatharan, G. and Filipescu, S., 2016, A Brief History of Salt Tectonics in the Carpathian Bend Zone and Analogue Modeling of some of the Concepts, AAPG European Regional Conference and Exhibition, Petroleum Systems of Alpine-Mediterranean Fold Belts and Basins, Bucharest, Abstract Book, p. 11-12.
31. Schléder, Z.; Man, S. and **Tămaş, D.M.**, 2016, History of Salt Tectonics in the Carpathian Bend Zone, Romania, AAPG European Regional Conference and Exhibition, Bucharest, Field-trip guide, May 18th 2016, 22 pp.
32. **Tămaş, D.M.**, Krézsek, C. and Schléder, Z., 2015, 3D diapir modeling in the type area for salt diapirism, preliminary results (Moreni, Romania), "I.P. Voiteşti" Annual Scientific Session, Cluj-Napoca, Romania, Presa Universitară Clujeană, p. 46-49.
33. Tămaş, A., **Tămaş, D.M.** and Popa, M.V., 2013, Gastropode badeniene de talie mică de la Lăpugiu de Sus (Bazinul Făget). [Badenian Small Gastropod Fauna from Lăpugiu de Sus (Făget Basin)]. Simpozionul Național al Studenților, GeoEcologica, Petroșani, România, p. 296-297. [In Romanian]
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35. **Tămaș, D.M.**, Tămaș, A. and Popa, M.V., 2013. Analize cantitative preliminare asupra unei asociații de moluște sarmațiene de la Răcăștia (Hunedoara, România). [Preliminary Quantitative Analysis of a Sarmatian Mollusk Association from Răcăștia (Hunedoara, România)]. Simpozionul Național al Studenților Geologi și Geofizicieni, Ed. XIV, București, România. [In Romanian]
36. **Tămaș, D.M.** and Tămaș, A., 2012, Moluște sarmațiene de la Răcăștia (Hunedoara, România). [Sarmatian Mollusks from Răcăștia (Hunedoara, România)]. Al 13-lea Simpozion Național al Studenților Geologi, Iași, Volum Abstracte, p. 32. [In Romanian]
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