

PUBLICAȚII ȘTIINȚIFICE

Șef lucr. dr. habil. 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., Schléder, 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
4. Tămaș, A., Holdsworth, R, **Tămaș, D.M.**, Dempsey, E., Hardman, K., Bird, A., Roberts, N.M.V., Lee, J., Underhill, J.R., McCarthy, D., McCaffrey, K.J.W. and Selby, D. 2023. Older than you think: Using U-Pb calcite geochronology to better constrain basin-bounding fault reactivation, Inner Moray Firth Basin, W North Sea. *Journal of the Geological Society*. <https://doi.org/10.1144/jgs2022-166>
5. Tămaș, A., **Tămaș, D.M. (corresponding)**, Tari, G., Krézsek, 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 Sarclat, 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>
9. Tămaş, A., Holdsworth, R., Underhill, J.R., **Tămaş, D.M.**, Dempsey, E., Hardman, K., Bird, A., McCarthy, D., McCaffrey, K.J.W. and Selby, D., 2022, New onshore insights into the role of structural inheritance during Mesozoic opening of the Inner Moray Firth Basin, Scotland. *Journal of the Geological Society*, 179(2), 1-23. <https://doi.org/10.1144/jgs2021-066>
10. Tămaş, A., Holdsworth, R., Underhill, J.R., **Tămaş, D.M.**, Dempsey, E., McCarthy, D., McCaffrey, K.J.W. and Selby, D., 2022, Correlating deformation events onshore and offshore in superimposed rift basins: The Lossiemouth Fault Zone, Inner Moray Firth Basin, Scotland. *Basin Research*, 1-27. <https://doi.org/10.1111/bre.12661>
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**
14. Adamuszek, M., **Tămaş, D.M.**, Barabasch, J., and Urai, J. L., 2021, Rheological stratification in impure rocksalt during long-term creep: morphology, microstructure and numerical models of multilayer folds in the Ocenele Mari salt mine, Romania, *Solid Earth*, 12, 2041–2065. <https://doi.org/10.5194/se-12-2041-2021> **IF(2020)=3.337**

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., Ţabără, 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., Schléder, 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

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