

Lista de lucrări științifice

Candidat – Dr. Alexandra Tămaș

a. Lista celor 10 lucrări considerate de candidat ca fiind cele mai relevante (se regăsesc și în categoria e)

1. **Tămaș, A.**, Holdsworth, R.E., 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> **IF(2022)=2.7**
2. **Tămaș, A.**, Tămaș, D.M., 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> **IF(2022)=3.4**
3. **Tămaș, A.**, Holdsworth, R.E., Tămaș, D.M., 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> **IF(2022)=5**
4. **Tămaș, A.**, Holdsworth, R., Underhill, J.R., Tămaș, 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> **IF(2022)=2.7**
5. **Tămaș, A.**, Holdsworth, R., Underhill, J.R., Tămaș, 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> **IF(2022)=3.2**
6. **Tămaș A.**, Tămaș D.M., 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**

7. 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**
8. Schleder, Z., Lăpădat, I.A., Trandafir, G., Fernández, O., Tămaş, D.M., **Tămaş, 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> **IF(2022)=4.2**
9. 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> **IF(2022)=1**
10. Krézsek, C., Schleder, Z., Olaru-Florea, R., **Tămaş, A.**, Oteleanu, A., Stoicescu, A., Ungureanu, C., Dudus, R., Tari, G. 2023. Structure and petroleum systems of the Eastern Carpathians, Romania, *Marine and Petroleum Geology*, 151, 106179. <https://doi.org/10.1016/j.marpetgeo.2023.106179> **IF(2022)=4.2**

b. Teza de doctorat

1. **Tămaş, A.**, 2022, The Nature, Consequences and Controls of Deformation During Superimposed Rifting: the Inner Moray Firth Basin. PhD Thesis, Durham University, Durham, UK, 288 p.

c. Brevete de invenție și alte titluri de proprietate industrială

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d. Cărți și capitole în cărți

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

e. Articole/studii, publicate în reviste din fluxul științific internațional principal

1. **Tămaș, A.**, Holdsworth, R.E., 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> **IF(2022)=2.7**
2. **Tămaș, A.**, Tămaș, D.M., 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> **IF(2022)=3.4**
3. **Tămaș, A.**, Holdsworth, R.E., Tămaș, D.M., 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 Sarcelt, Inner Moray Firth Basin, UK. Remote Sensing, 15, 695, 1-22. <https://doi.org/10.3390/rs15030695> **IF(2022)=5**
4. 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> **IF(2022)=4.2**
5. Bercea, R.I., Balc, R., **Tămaș, A.**, Filipescu, S., Tămaș, 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> **IF(2022)=1**
6. Krézsek, C., Schleder, Z., Olaru-Florea, R., **Tămaș, A.**, Oteleanu, A., Stoicescu, A., Ungureanu, C., Dudus, R., Tari, G. 2023. Structure and petroleum systems of the Eastern Carpathians, Romania, Marine and Petroleum Geology, 151, 106179. <https://doi.org/10.1016/j.marpetgeo.2023.106179> **IF(2022)=4.2**
7. **Tămaș, A.**, Holdsworth, R.E., Underhill, J.R., Tămaș, 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> **IF(2022)=2.7**
8. **Tămaş, A.**, Holdsworth, R.E., 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> **IF(2022)=3.2**
 9. 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> **IF(2022)=3.9**
 10. 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(2021)=5.261**
 11. 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>
 12. **Tămaş A.**, Tămaş D.M., 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**
 13. 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**
 14. Tulan, E., Sachsenhofer, R.F., Tari, G., Witkowski, J., Tămaş D.M., Horvat, A. and **Tămaş A.**, 2020, Hydrocarbon source rock potential and paleoenvironment of lower Miocene diatomites in the Eastern Carpathians Bend Zone (Sibiciu de Sus, Romania).

Geologica Carpathica, 71(5), 424-443. <https://doi.org/10.31577/GeolCarp.71.5.4>

IF(2020)=1.875

15. **Tămaș, A.**, Tămaș, D.M. and Popa, M.V., 2013, Badenian Small Gastropods from Lăpugiu de Sus (Făget Basin, Romania). Rissoidae Family. Acta Palaeontologica Romaniae, 9(1), p. 57-66.
16. Tămaș, D.M., **Tămaș, A.** and Popa, M.V., 2013, Early Sarmatian (Middle Miocene) Molluscs from Răcăștia (Romania). Acta Palaeontologica Romaniae, 9(1), p. 67-81.

f. Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate

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g. Alte lucrări și contribuții științifice

1. Tămaș, D. M., **Tămaș, A.**, Dohan, D., Tocariu, I. S. M., Schleder, Z., Krezsek, C., and Urai, J., 2023, Salt tectonics and its influence on the development of the Romanian Carpathians, EGU General Assembly 2023, Vienna, Austria, EGU23-5438. <https://doi.org/10.5194/egusphere-egu23-5438>
2. **Tămaș, A.**, Tămaș, D. M., Copot, B., Tocariu, I. S. M., Dohan, D., Schleder, Z., and Krezsek, C., 2023, Challenges in the subsurface interpretation of a fold and thrust belt and how to get the best insights: examples from the Romanian Carpathians, EGU General Assembly 2023, Vienna, Austria, EGU23-6425. <https://doi.org/10.5194/egusphere-egu23-6425>
3. Tămaș, D. M., Adamuszek, M., **Tămaș, A.**, Barabasch, J., and Urai, J. L., 2023, The role and control of impurities in the deformation of salt (Ocnele Mari salt mine, Romania). Tectonics Studies Group Conference, Leeds, UK.
4. **Tămaș, A.**, Holdsworth, R, Tămaș, D.M., Dempsey, E., Underhill, J.R., McCarthy, D., McCaffrey, K.J.W., and Selby, D., 2023, Using U-Pb calcite geochronology to better constrain basin-bounding fault reactivation, Inner Moray Firth Basin, North Sea. Tectonics Studies Group Conference, Leeds, UK.

5. Negru, C., Tămaş, D.M., **Tămaş, A.**, 2022, Seeing How the Earth Shakes. The Combined Power of a Geophone an Accelerometer and a Raspberry Pi. "Ion Popescu-Voiteşti" Annual Scientific Session, Cluj-Napoca, Romania.
6. Tămaş, D.M., **Tămaş, A.**, 2022, Importance of Salt in Energy Transition: Can Machine Learning Help Us to Better Constrain the Geometries of Salt Bodies? "Ion Popescu-Voiteşti" Annual Scientific Session, Cluj-Napoca, Romania.
7. **Tămaş, A.**, Holdsworth, R, Tămaş, D.M., Dempsey, E., Underhill, J.R., McCarthy, D., McCaffrey, K.J.W., and Selby, D., 2022, Correlating deformation events onshore and offshore in superimposed rift basins: Western North Sea. "Ion Popescu-Voiteşti" Annual Scientific Session, Cluj-Napoca, Romania.
8. Copoţ, B., Tămaş, D.M., **Tămaş, A.**, Krézsek, C., Schleder, Z., Lapadat, A. and Filipescu S., 2022, Effects of multiple detachments in thin-skinned fold and thrust belts: insights from analogue modelling. EGU General Assembly 2022, Vienna, Austria. <https://doi.org/10.5194/egusphere-egu22-11360>
9. Tămaş, D.M., **Tămaş, A.**, Barabasch, J., Rowan, M.G., Schleder, Z., Krézsek, C. and Urai, J.L., 2022, Do diapirs ever lose their heads? Insights from the Romanian Eastern Carpathians. EGU General Assembly 2022, Vienna, Austria. <https://doi.org/10.5194/egusphere-egu22-4498>
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. EGU General Assembly 2022, Vienna, Austria.
11. 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.
12. 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.
13. **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., 2021, New onshore insights into the role of structural inheritance during Mesozoic opening of the Inner Moray Firth

- Basin, Scotland. "Ion Popescu-Voitești" Annual Scientific Session, Cluj-Napoca, Romania, Abstract Book, Presa Universitară Clujeană, p. 26-27.
14. Tămaș, D.M., **Tămaș, A.**, Barabasch, J., Rowan, M.G., Schleder, Z., Krézsek, C. and Urai, J.L., 2020, Structural evolution of the Mânzălești salt diapir, Eastern Carpathian Bend Zone. "Ion Popescu-Voitești" Annual Scientific Session, Cluj-Napoca, Romania, Abstract Book, Presa Universitară Clujeană.
 15. Tămaș, D.M., **Tămaș, A.**, Schleder, Z. and Krézsek, C. 2020, Syn-tectonic sand intrusions - an added complexity to a highly deformed fold and thrust belt and implication for subsurface structural interpretation: Eastern Carpathians Bend Zone, Romania. EGU General Assembly, doi: 10.5194/egusphere-egu2020-438.
 16. Tămaș, D.M., **Tămaș, A.**, Schleder, Z. and Krézsek, C.. 2020, Challenges in the subsurface interpretation of a fold and thrust belt and how to get the best insights: an example from Eastern Carpathians Bend Zone, Romania. Tectonics Studies Group Conference, Hull, UK.
 17. **Tămaș, A.**, Tămaș, D.M., Holdsworth, R, Underhill, J.R., McCaffrey, K, Dempsey, E., Selby, D. and McCarthy, D., 2020, Onshore evidence for oblique reactivation of the pre-existing Devonian structures as an insight into the Mesozoic opening of the Inner Moray Firth Basin. Tectonics Studies Group Conference, Hull, UK.
 18. Tămaș, D.M., **Tămaș, A.**, Bindu-Haitonic, R., Copoț, B. and Filipescu, S., 2019, Teaching structural geology in the 21st century: the use of 3D virtual outcrops as both teaching and reasearch tools. "Ion Popescu-Voitești" Annual Scientific Session, Cluj-Napoca, Romania, Abstract Book, Presa Universitară Clujeană, p. 43.
 19. **Tămaș, A.**, Tămaș, D.M., Holdsworth, R, Underhill, J.R., McCaffrey, K, Dempsey, E., Selby, D. and McCarthy, D., 2019, Reducing uncertainties concerning reservoir and trap integrity in potential Devonian reservoirs of the Inner Moray Firth Basin using field and drone-based onshore analyses. Petroleum Geology Student Contest 2019, Italy.
 20. Tămaș, D.M., Schleder, Z., **Tămaș, A.**, Krézsek, C. and Filipescu, S., 2019, Middle Miocene evolution and structural style of the Eastern Carpathian Bend Zone, Romania: insights from analogue modelling. AAPG GTW EuroAsian Mature Salt Basins, April 2019, Krakow, Poland.
 21. Tămaș, D.M., **Tămaș, A.**, Schleder, 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.

22. Tămaş, D.M., **Tămaş, A.**, Schléder, Z., Krézsek, C. and Filipescu, S., 2017, Insights into detachment folds and subsalt duplex geometries in the Eastern Carpathian Bend Zone, Romania: an analogue modelling approach, GSL Conference: Fold and Thrust Belts: Structural style, evolution and exploration, 31 Oct – 2 Nov, Abstract Book.
23. Tămaş, D.M., **Tămaş, A.**, Schléder, Z., Krézsek, C. and Filipescu, S., 2017, Analogue (physical) modelling: an invaluable research and educational tool, "Ion Popescu-Voiteşti" Annual Scientific Session, Cluj-Napoca, Romania, Abstract Book, Presa Universitară Clujeană, p. 42-44.
24. **Tămaş, A.**, Schléder, Z., Krézsek, C. and Tămaş, D.M. , 2017, Insights into subsurface reservoirs using surface analogues. Case study Gura Vîtioarei Quarry. SPE Romanian Section, Bucharest, Romania.
25. Tămaş, D.M., **Tămaş, A.**, Schléder, Z., Krézsek, C. and Filipescu, S., 2016, Analogue modeling of salt diapirs in the Eastern Carpathian Bend Zone. First insights. Annual Scientific Session "I. P. Voiteşti", Cluj-Napoca. Romania.
26. **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.
27. **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 Geologi și Geofizicieni, Ed. XIV, București, România.
28. Tămaş, D.M., **Tămaş, 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.
29. Tămaş, D.M. and **Tămaş, 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.
30. **Tămaş, A.**, Tămaş, D.M. and Popa, M.V., 2012, Rissoidae badeniene de la Lăpugiu de Sus (Bazinul Făget, România). [Badenian Rissoids from Lăpugiu de Sus (Făget Basin, Romania)]. Sesiunea Științifică Anuală "I. P. Voitești", Cluj-Napoca.

31. Tămaș, D.M., **Tămaș, A.** and Popa, M.V. 2011, Moluște sarmațiene de la Răcăștia. [Sarmatian Mollusks from Răcăștia]. Sesiunea Științifică Anuală "I. P. Voitești", Cluj-Napoca, România, Presa Universitară Clujană, p. 43-44.
32. **Tămaș, A.**, Tămaș, D.M. and Popa, M.V, 2011, Gastropode badeniene mici de la Lăpugiu de Sus (Bazinul Făget, România). [Badenian Small Gastropods from Lăpugiu de Sus (Făget Basin, Romania)]. Sesiunea Științifică Anuală "I. P. Voitești", Cluj-Napoca, România, Presa Universitară Clujană, p. 42.
33. **Popa (Tămaș), A.** and Tămaș, D.M., 2010, Fauna de moluște sarmațiene de la Răcăștia. [Sarmatian Mollusk Fauna from Răcăștia]. 1st International Geoscience Student Conference, București, România, Contaplus Publishing House, p. 431-434.