

CURRICULUM VITAE AND PUBLICATIONS**Adam Tomašových**

Date of birth: 4th June 1978

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PROFESSIONAL PREPARATION

2002 Mgr. (M.S.) Comenius University, Bratislava, Slovakia (Geology)

2006 Ph.D., Würzburg University, Germany (Geology)

2021 DrSc., Slovak Academy of Sciences (Geology)

APPOINTMENTS

April-October 2006 - Geological Institute of Slovak Academy of Sciences, Bratislava, Researcher

November 2006-May 2011 - University of Chicago, Department of Geophysical Sciences, Research Associate - Postdoctoral Fellow

March-August 2020 - Ida Pfeiffer Professorship, University of Vienna

June 2011-present - Earth Science Institute of Slovak Academy of Sciences, Bratislava, Researcher

March-August 2020 - Ida Pfeiffer Professorship at the University of Vienna, Faculty of Earth Sciences, Geography and Astronomy

EDITORIAL BOARDS

2020 - present - Paleobiology Editorial Board

2018 - present - Global Ecology and Biogeography Associate Editor

2010 - present - Palaios Associate Editor

2013 - 2020 - Ameghiniana Editorial Board

2012 - 2018 - Geologica Carpathica Editorial Board

OTHER APPOINTMENTS

2018 - Guest professorship at the University of Vienna, teaching "Modeling in paleoecology", February 2018

2019 - Session co-convener: North American Paleontological Convention 2019, Riverside

2017 - Scientific Committee: 8th international Meeting on Taphonomy and Fossilization, Vienna.

2015-2017 - Session co-convener: European Geoscience Union General Assembly, Vienna

2014 - Session co-convener: Northern American Paleontological Convention Gainesville

2011 - Scientific Committee: 6th international Meeting on Taphonomy and Fossilization, Tübingen,

2010 - Co-convener: The stratigraphic context of taphonomy and palaeoecology: Reconstructing deep time changes in palaeoenvironments and sedimentary systems, European Geoscience Union General Assembly, Vienna

2002 - present - Paleobiology Database Enterer

2006 - present - Paleobiology Database Authoriser

10/2008-8/2009 - Smithsonian Institution, Washington D.C. - External Postdoctoral Fellow

FELLOWSHIPS

2002-2006 - DAAD Doctoral Fellowship (Würzburg University, 3.5 years)

2001 - Erasmus/Socrates Scholarship (Würzburg University, 6 months)

RESEARCH INTERESTS

(i) Conservation paleobiology, historical ecology and actualistic paleoecology of marine benthic communities, using the young fossil record (Holocene) of the Southern California Bight and northern Adriatic Sea

(ii) Time averaging, stratigraphic mixing and fossilization dynamic

(iii) Macroecology, biogeography, and evolutionary paleobiology of Mesozoic and Cenozoic marine benthic ecosystems at small, regional and provincial scales, mainly along latitudinal, onshore-offshore, and trophic gradients

(iv) Triassic/Jurassic boundary mass extinction, Mid-Miocene Climate Transition and Badenian/Sarmatian extinction event

CURRENT PROJECTS

2019-2022 - *Evaluating preservation potential of benthic responses to hypoxic and anoxic events in the fossil record* supported by Slovak Research and Development Agency (APVV-17-0555) and the Slovakian VEGA Agency [VEGA 2/0169/19, 2019-2022]

FUNDING AND SUPPORT

2015-2018 - BASE-LiNE Earth (European Union's Horizon 2020 research and innovation programme under grant agreement No 643084, www.baseline-earth.eu) and Slovak Scientific Grant Agency (VEGA 2-0136-15) Tracing changes in seawater temperature during the end-Triassic mass extinction and during the Early Jurassic in the western Tethys (Western Carpathians and Eastern Alps)

2012-2013 National Science Foundation (NSF EAR-1124318), Collaborative Research, *Project title: Temporal resolution in benthic assemblages: assessing and modeling the roles of burial dynamics, seafloor type, and intrinsic factors using (un)natural experiments*, PI - Susan M. Kidwell (University of Chicago) and Clark Alexander (Skidaway Institute of Oceanography), co-PI: Adam Tomasovych

2011-2014 Slovak Research and Development Agency (APVV-0644-10) and Slovak Scientific Grant Agency (VEGA 0068-11), *Project title: Assessing taphonomic and geochemical approaches in evaluating spatial and temporal turnover of marine invertebrate paleocommunities*, PI: Adam Tomasovych

2010-2011 National Science Foundation (NSF DEB-0919451), *Project title: Bivalves in Time and Space: Testing the accuracy of methods to reconstruct ancestral morphology, dates, geography, and diversification patterns*, PI: David Jablonski

2008-2009 NOAA California Sea Grant Program "Urban Oceans", *Project title: Estimating impacts of past natural and anthropogenic*

- disturbances on shelf macrobenthic communities: a field test using dead-shell assemblages*, PI - Susan M.Kidwell and Adam Tomasovych,
- 2008-2010** Slovak Research and Development Agency (APVV-0248-07) and Slovak VEGA Agency (VEGA 0068-08), *Project title: Evaluating and modeling ecological stability and turnover of Jurassic communities of the Tethyan Ocean*, PI - Adam Tomasovych
- 2007-2008** National Science Foundation (NSF-EAR 0345897), *Project title: Quantifying sedimentary capture of biological information*, PI - Susan M.Kidwell
- 2003-2006** Deutsche Forschungsgemeinschaft (DFG) Grant (2003-2006), *Project title: The role of articulate brachiopods in Mesozoic benthic communities*, PI: Franz T. Fürsich

PUBLICATIONS

- [77] Košťák, M., Schlögl, J., Fuchs, D., Holcová, K., Hudáčková, N., Culka, A., Fözy, I., Tomašových, A., Milovský, R., Šurka, J. and Mazuch, M., 2021. Fossil evidence for vampire squid inhabiting oxygen-depleted ocean zones since at least the Oligocene. ***Communications Biology*** 4, pp.1-13.
- [76] Müller T., Karancz S., Mattioli E., Milovský R., Pálffy J., Schlögl J., Segit T., Šimo V., Tomašových A. 2020. Assessing anoxia, recovery and carbonate production setback in a hemipelagic Tethyan basin during the Toarcian Oceanic Anoxic Event (Western Carpathians). ***Global and Planetary Change***, 195, 103366.
- [75] Tomašových, A., Albano, P.G., Fuksi, T., Gallmetzer, I., Haselmair, A., Kowalewski, M., Nawrot, R., Nerlović, V., Scarponi, D. and Zuschin, M., 2020. Ecological regime shift preserved in the Anthropocene stratigraphic record. ***Proceedings of the Royal Society B***, 287, 20200695.
- [74] Müller, T., Jurikova, H., Gutjahr, M., Tomašových, A., Schlögl, J., Liebetrau, V., Duarte, L.V., Milovský, R., Suan, G., Mattioli, E. and Pittet, B., 2020. Ocean acidification during the early Toarcian extinction event: Evidence from boron isotopes in brachiopods. ***Geology*** 48,
- [73] Albano, P.G., Hua, Q., Kaufman, D.S., Tomašových, A., Zuschin, M. and Agiadi, K., 2020. Radiocarbon dating supports bivalve-fish age coupling along a bathymetric gradient in high-resolution paleoenvironmental studies. ***Geology*** 48, 589-593.
- [72] Leonard-Pingel, J.S., Kidwell, S.M., Alexander, C.R. and Cadien, D.B., 2019. Gauging benthic recovery from 20th century pollution on the southern California continental shelf using bivalves from sediment cores. ***Marine Ecology Progress Series***, 615, 101-119
- [71] Ivanova, D.K., Schlögl, J., Tomašových, A., Lathuilière, B. and Golej, M., 2019. Revisiting the age of Jurassic coral bioherms in the Pieniny Klippen Belt (Western Carpathians) on the basis of benthic foraminifers. ***Geologica Carpathica*** 70, 113-134.
- [70] Tomašových, A., 2019. Biodiversity gradients emerge. ***Nature Ecology & Evolution*** 3, 1376-1377
- [69] Tomašových A., Schlögl J., Michalík J. and Donovalová L. 2020. Non-condensed shell beds in hiatal successions: instantaneous cementation associated with nutrient-rich bottom currents and high

- bivalve production. *Italian Journal of Geosciences*, 139, 76-97.
<https://doi.org/10.3301/IJG.2019.21>
- [68] Rollion-Bard, C., Garcia, S.M., Burckel, P., Angiolini, L., Jurikova, H., Tomašových, A. and Henkel, D., 2019. Assessing the biomineralization processes in the shell layers of modern brachiopods from oxygen isotopic composition and elemental ratios: Implications for their use as paleoenvironmental proxies. *Chemical Geology* 524, 49-66.
- [67] Tomašových, A., Kidwell, S.M., Alexander, C.R. and Kaufman, D.S., 2019. Millennial-scale age offsets within fossil assemblages: result of bioturbation below the taphonomic active zone and out-of-phase production. *Paleoceanography and Paleoclimatology* 34, 954-977.
- [66] Tomašových, A., Gallmetzer, I., Haselmair, A., Kaufman, D.S., Mavrič, B. and Zuschin, M., 2019. A decline in molluscan carbonate production driven by the loss of vegetated habitats encoded in the Holocene sedimentary record of the Gulf of Trieste. *Sedimentology* 66, 781-807.
- [65] Gallmetzer, I., Haselmair, A., Tomašových, A., Mautner, A. K., Schnedl, S. M., Cassin, D., Zonta, R., & Zuschin, M. (2019). Tracing origin and collapse of Holocene benthic baseline communities in the northern Adriatic Sea. *Palaios*, 34, 121-145.
- [64] Buckeridge, J., Kočí, T., Schlögl, J., Tomašových, A., & Veselská, M. K. (2019). Deep-water cirripedes colonizing dead shells of the cephalopod *Nautilus macromphalus* from New Caledonian waters. *Integrative Zoology*, doi.org/10.1111/1749-4877.12389.
- [63] Tomašových A., Gallmetzer I., Haselmair A., Kaufman D., Kralj M., Cassin D., Zonta R., and Zuschin M. 2018. Tracing the effects of eutrophication on molluscan communities in sediment cores: outbreaks of an opportunistic species coincide with reduced bioturbation and high frequency of hypoxia in the Adriatic Sea 44. *Paleobiology* 44, 575-602
- [62] Schnedl, S.M., Haselmair, A., Gallmetzer, I., Mautner, A.K., Tomašových, A. and Zuschin, M., 2018. Molluscan benthic communities at Brijuni Islands (northern Adriatic Sea) shaped by Holocene sea-level rise and recent human eutrophication and pollution. *Holocene*.
- [61] Fuksi, T., Tomašových, A., Gallmetzer, I., Haselmair, A. and Zuschin, M., 2018. 20th century increase in body size of a hypoxia-tolerant bivalve documented by sediment cores from the northern Adriatic Sea (Gulf of Trieste). *Marine Pollution Bulletin*, 135, 361-375.
- [60] Bajnai, D., Fiebig, J., Tomašových, A., Garcia, S.M., Rollion-Bard, C., Raddatz, J., Löffler, N., Primo-Ramos, C. and Brand, U., 2018. Assessing kinetic fractionation in brachiopod calcite using clumped isotopes. *Scientific Reports*, 8, article number 533.
- [59] Schlögl, J., Kočí, T., Jäger, M., Segit, T., Sklenář, J., Sadki, D., Ibnoussina, M. and Tomašových, A., 2018. Tempestitic shell beds formed by a new serpulid polychaete from the Bajocian (Middle Jurassic) of the Central High Atlas (Morocco). *Paläontologische Zeitschrift*, 92, 219-240.
- [58] Košťák, M., Schlögl, J., Culka, A., Tomašových, A., Mazuch, M. and Hudáčková, N., 2018. The unique preservation of *Sepia* soft tissues in the Miocene deposits (Serravalian, Vienna Basin): Implications for the origin of microbodies in the fossil

record. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 493, 111-118

[57] Albano, P.G., Gallmetzer, I., Haselmair, A., Tomašových, A., Stachowitsch, M. and Zuschin, M. 2018. Historical ecology of a biological invasion: the interplay of eutrophication and pollution determines time lags in establishment and detection. *Biological Invasions* 20, 1417-1430.

[56] Mautner, A.K., Gallmetzer, I., Haselmair, A., Schnedl, S.M., Tomašových, A. and Zuschin, M., 2018. Holocene ecosystem shifts and human-induced loss of Arca and Ostrea shell beds in the north-eastern Adriatic Sea. *Marine Pollution Bulletin* 126, 19-30.

[55] Gallmetzer, I., Haselmair, A., Tomašových, A., Stachowitsch, M. and Zuschin, M., 2017. Responses of molluscan communities to centuries of human impact in the northern Adriatic Sea. *PLoS One* 12, e0180820.

[54] Tomašových A., and Kidwell S.M. 2017. Nineteenth-century collapse of a benthic marine ecosystem on the open continental shelf. *Proceedings of the Royal Society B*, 284, 20170328

[53] Tomašových A., Schlögl J., Biroň A., Hudáčková N., and Mikuš T. 2017. Taphonomic clock and bathymetric dependence of cephalopod preservation in bathyal, sediment-starved environments. *Palaios*, 32, 135-152.

[52] Tomašových A., Gallmetzer I., Haselmair A., Kaufman D.S., Vidovic J., and Zuschin M. 2017. Stratigraphic unmixing reveals repeated hypoxia events over the past 500 years in the northern Adriatic Sea. *Geology* 45, 363-366.

[51] Tomašových A., and Jablonski D. 2017. Decoupling of latitudinal gradients in species and genus geographic range size: a signature of clade range expansion. *Global Ecology and Biogeography* 26, 288-303.

[50] Zuschin M., Nawrot R., Harzhauser M., Mandic O. and Tomašových A. 2017. Taxonomic and numerical sufficiency in depth- and salinity-controlled marine paleocommunities. *Paleobiology* 43, 463-478.

[49] Vidović, J., Nawrot, R., Gallmetzer, I., Haselmair, A., Tomašových, A., Stachowitsch, M., Cosovic V. and Zuschin, M. 2016. Anthropogenically induced environmental changes in the northeastern Adriatic Sea in the last 500 years (Panzano Bay, Gulf of Trieste). *Biogeosciences*, 13, 5965-5981.

[48] Tomašových A., Schlögl J., Kaufman D.S., Hudáčková N. 2016. Temporal and bathymetric resolution of nautiloid death assemblages in stratigraphically-condensed oozes (New Caledonia). *Terra Nova* 28, 271-278.

[47] Tomašových A., Kennedy J.D., Betzner T.J., Bitler Kuehnle N., Edie S., Kim S., Supriya K., White A.E., Rahbek, C., Huang S., Price T.D., and Jablonski D. 2016. Unifying latitudinal gradients in range size and richness across marine and terrestrial systems. *Proceedings of the Royal Society B* 283, 20153027.

[46] Bizjack M.T., Kidwell S.M., Velarde R.G., Leonard-Pingel J., Tomašových A. 2017. Detecting, sourcing, and age-dating dredged sediments on the open shelf, southern California, using dead mollusk shells. *Marine Pollution Bulletin*, 114, 448-465.

[45] Tomašových A., Kidwell S.M., Foygel Barber R. 2016. Inferring skeletal production from time-averaged assemblages: skeletal loss pulls the timing of production pulses towards the modern period. *Paleobiology* 42, 54-76.

[44] Albano, P.G., Filippova, N., Steger, J., Schmidbaur, H., Tomašových, A., Stachowitsch, M. and Zuschin, M., 2016.

Contamination patterns and molluscan and polychaete assemblages in two Persian (Arabian) Gulf oilfields. **Marine Ecology-an evolutionary perspective** 37, 907-919.

[43] Albano, P.G., Filippova, N., Steger, J., Kaufman, D.S., Tomašových, A., Stachowitsch, M. and Zuschin, M. 2016. Oil platforms in the Persian (Arabian) Gulf: Living and death assemblages reveal no effects. **Continental Shelf Research**, 121, 21-34.

[42] Albano, P. G., Tomašových, A., Stachowitsch, M., and Zuschin, M. 2016. Taxonomic sufficiency in a live-dead agreement study in a tropical setting. **Palaeogeography Palaeoclimatology Palaeoecology** 449, 341-348.

[41] Chattopadhyay, D., Zuschin, M. and Tomasovych, A., 2015. How effective are ecological traits against drilling predation? Insights from Recent bivalve assemblages of the northern Red Sea.

Palaeogeography, Palaeoclimatology, Palaeoecology 440, 659-670.

[40] Tomašových A., Jablonski D., Berke S.K., Krug Z.A. And Valentine J.W. 2015. Nonlinear thermal gradients shape broad-scale patterns in geographic range size and can reverse Rapoport's rule. **Global Ecology and Biogeography** 24, 257-267

[39] Tomašových A., Dominici S., Zuschin M. and Merle D. 2014. Onshore-offshore gradient in metacommunity turnover emerges only over macroevolutionary time-scales. **Proceedings of the Royal Society B** 281, 20141533.

[38] Tomašových A., Kidwell S.M., Foygel Barber, R. and Kaufman, D.S. 2014. Long-term accumulation of carbonate shells reflects a 100-fold drop in loss rate. **Geology** 42, 9, 819-822

[37] Chattopadhyay D., Zuschin M. and Tomašových A. 2014. Effects of a high-risk environment on edge-drilling behavior: inference from Recent bivalves from the Red Sea. **Paleobiology** 40, 34-49.

[36] Vollstaedt, H., Eisenhauer, A., Wallmann, K., Böhm, F., Fietzke, J., Liebetrau, V., Krabbenhöft, A., Farkaš, J., Tomašových, A., Raddatz, J., Veizer, J. 2014. The Phanerozoic $\delta^{88}/86\text{Sr}$ record of seawater: New constraints on past changes in oceanic carbonate fluxes. **Geochimica et Cosmochimica Acta** 128, 249-265

[35] Kidwell S.M. and Tomašových A. 2013. Implications of time-averaged death Assemblages for ecology and conservation biology. **Annual Reviews of Ecology, Evolution, and Systematics** 44: 539-563

[34] Jablonski D., Belanger C.L., Berke S.K., Huang S., Krug A.Z., Roy K., Tomasovych A. and Valentine J.W. 2013. Out of the tropics, but how? Fossils, bridge species, and thermal ranges in the dynamics of the marine latitudinal diversity gradient. **Proceedings of the National Academy of Sciences USA** 110, 10487-10494.

[33] Hillebrandt A. v., Krystyn, L., Kurschner, W.M., Bonis N.R., Ruhl, M., Richoz, S., Schobben, M.A., Urlichs, M., Bown, P.R., Kment, K., McRoberts, C.A., Simms M. and Tomasovych A. 2013. The global stratotype sections and point (GSSP) for the base of the jurassic system at kuhjoch (Karwendel Mountains, Northern Calcareous Alps, Tyrol, Austria). **Episodes** 36, 162-198.

[32] Simo V. and Tomašových A. 2013. Trace-fossil assemblages with a new ichnogenus in "spotted" (Fleckenmergel-Fleckenkalk) deposits: a signature of oxygen-limited benthic communities. **Geologica Carpathica** 64, 355-374.

[31] Berke, S.K., D. Jablonski, A., Z. Krug, K. Roy, A. Tomašových, J. W. Valentine. 2012. Beyond Bergmann's Rule: size-latitude relationships in marine Bivalvia worldwide. **Global Ecology and Biogeography** 22, 173-183

- [30] Reolid, M., García-García, F., Tomašových, A., Soria, J.M., 2012. Thick brachiopod shell concentrations from prodelta and siliciclastic ramp in a Tortonian Atlantic-Mediterranean Strait (Miocene, Guadix Basin, Southern Spain). **Facies** 58: 549-571
- [29] Tomašových A., and Kidwell, S.M. 2011. Accounting for the effects of biological variability and temporal autocorrelation in assessing the preservation of species abundance. **Paleobiology** 37:332-354
- [28] Tomašových A., and Kidwell, S.M. 2010. Predicting the effects of increasing temporal scale on species composition, diversity, and rank-abundance distributions. **Paleobiology** 36: 672-695
- [27] Tomašových A., and Kidwell, S.M. 2010. The effects of temporal resolution on species turnover and on testing metacommunity models. **American Naturalist** 175:587-606.
- [26] Tomašových A., and Zuschin M. 2009. Variation in brachiopod preservation along a carbonate shelf-basin transect (Red Sea and Gulf of Aden): environmental sensitivity of taphofacies. **Palaios** 24:697-716
- [25] Tomašových A., and Kidwell S.M. 2009. Fidelity of variation in species composition and diversity partitioning by death assemblages: time averaging transfers diversity from beta to alpha levels. **Paleobiology** 35:97-121.
- [24] Tomašových A., and Kidwell S.M. 2009. Preservation of spatial and environmental gradients by death assemblages. **Paleobiology** 35:122-148.
- [23] Schlögl, J., Mangold, C., Tomašových A., and Golej, M. 2009. Early and Middle Callovian ammonites from the Pieniny Klippen Belt (Western Carpathians) in hiatal successions: unique biostratigraphic evidence from sediment-filled fissure deposits. **Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen** 252:55-79.
- [22] Tomašových A., Carlson, S.J., and LaBarbera M. 2008. Ontogenetic niche shift in the brachiopod *Terebratalia transversa*: relationship between the loss of rotation ability and allometric growth. **Palaeontology** 51:1471-1496.
- [21] Tomašových A. and J. Schlögl. 2008. Analyzing variations in cephalopod abundances in shell concentrations: the combined effects of production and density-dependent cementation rates. **Palaios** 23:648-666.
- [20] Tomašových A. 2008: Substrate exploitation and resistance to biotic disturbance in the brachiopod *Terebratalia transversa* and the bivalve *Pododesmus macrochisma*. **Marine Ecology-Progress Series** 363: 157-170.
- [19] Tomašových A. 2008: Evaluating neutrality and escalation hypothesis in brachiopod communities from shallow, high-productivity habitats. **Evolutionary Ecology Research** 10: 667-698.
- [18] Hautmann, M., Benton, M.J., and Tomašových A. 2008. Catastrophic ocean acidification at the Triassic-Jurassic boundary. **Neues Jahrbuch für Geologie und Paläontologie Abhandlungen** 249: 119-127.
- [17] van de Schootbrugge, B., Payne, J.L., Tomašových A., Pross, J., Fiebig, J., Benbrahim, M., Föllmi, K.B., Quan, T.M., 2008. Carbon cycle perturbation and stabilization in the wake of the Triassic-Jurassic boundary mass-extinction event. **Geochemistry Geophysics Geosystems**, v. 9, art. No Q02408.
- [16] Yanes Y., Tomašových A., Kowalewski M., Castillo C., Aguirre J., Alonso M.R., and Ibáñez M. 2008. Taphonomy and compositional

fidelity of Quaternary fossil assemblages of terrestrial gastropods from carbonate-rich environments of the Canary Islands. *Lethaia* 41: 235-256.

[15] Alroy J., Aberhan M., Bottjer D.J., Foote M., Fürsich F.T., Harries P.J., Hendy A.J.W., Holland S.M., Ivany L.C., Kiessling W., Kosnik M.A., Marshall C.R., McGowan A.J., Miller A.I., Olszewski T.D., Patzkowsky M.E., Peters S.E., Villier L., Wagner P.J., Bonuso N., Borkow P.S., Brenneis B., Clapham M.E., Fall L.M., Ferguson C.A., Hanson V.L., Krug A.Z., Layou K.M., Leckey E.H., Nürnberg S., Powers C.M., Sessa J.A., Simpson C., Tomašových A., and Visaggi C.C. 2008. Phanerozoic Trends in the Global Diversity of Marine Invertebrates. *Science* 5885: 97-100.

[14] Tomašových A. 2008. Composition and distribution of Hettangian brachiopod communities in the West Carpathians: recovery after the end-Triassic mass extinction event. *Fossils and Strata* 54: 173-181.

[13] Logan A., Tomašových A., Zuschin M. and Grill B. 2008. Recent brachiopods from the Red Sea and Gulf of Aden. *Fossils and Strata* 54: 299-309.

[12] Tomašových A. and Siblík M. 2007. Evaluating compositional turnover of brachiopod communities during the end-Triassic mass extinction (Northern Calcareous Alps): removal of dominant groups, recovery and community re-assembly. *Palaeogeography, Palaeoclimatology, Palaeoecology* 244: 170-200.

[11] Tomašových A. 2006. Brachiopod and bivalve ecology in Late Triassic (Alps, Austria): onshore-offshore replacements caused by variations in sediment and nutrient supply. *Palaios* 21, 344-368.

[10] Tomašových A. 2006: A new Early Jurassic rhynchonellid brachiopod from the Western Tethys and implications for systematics of rhynchonellids from the Triassic-Jurassic boundary. *Journal of Paleontology* 80, 212-228.

[9] Tomašových A. 2006. Linking taphonomy to community-level abundance: insights into compositional fidelity of the Upper Triassic shell concentrations (Eastern Alps). *Palaeogeography, Palaeoclimatology, Palaeoecology* 235, 355-381.

[8] Tomašových A., Fürsich F.T., and Wilmsen M. 2006: Preservation of autochthonous shell beds by positive feedback between increased hardpart-input rates and increased sedimentation rates. *Journal of Geology* 114, 287-312.

[7] Tomašových A., Fürsich F. T., and Olszewski T. D. 2006. Modeling the shelliness and alteration in shell beds: opposing predictions due to variations in hardpart-input rates and burial rates. *Paleobiology* 32, 278-298.

[6] Tomašových A. and Rothfus T.A. 2005: Differential taphonomy of modern brachiopods (San Juan Islands, Washington State): effect of intrinsic factors on damage and community-level abundance. *Lethaia* 38, 271-292.

[5] Tomašových A. and Farkaš J. 2005: Cathodoluminescence of Late Triassic terebratulid brachiopods: implications for growth patterns. *Palaeogeography, Palaeoclimatology, Palaeoecology* 216, 215-233.

[4] Tomašových A. 2004: Postmortem durability and population dynamics affecting the fidelity of size-frequency distributions. *Palaios* 19, 477-496.

[3] Tomašových A. 2004: Effect of extrinsic factors on biofabric and brachiopod alteration in a shallow intraplateform carbonate setting (Upper Triassic, West Carpathians). *Palaios* 19, 349-371.

[2] Tomašových A. 2004, Microfacies and depositional environment of

an Upper Triassic intra-platform carbonate basin: the Fatric Unit of the West Carpathians (Slovakia). *Facies* 50, 77-105.

[1] Gazdzicki A., Michalík J. and Tomašových A. 2000, *Parafavreina* coprolites from the Uppermost Triassic of the Western Carpathians. *Geologica Carpathica* 51, 245-250.

AWARDS

2020 Palaios Honorable Mention 2017
2019 Ludmila Sedlářová Rabánová Award (o.z. Natura in collaboration with the Faculty of Natural Sciences, Comenius University)
2018 Slovak Academy of Sciences Publication Award
2018 Palaios Honorable Mention 2017
2017 Global Ecology and Biogeography Reviewer Award
2016 Jan Pettko Award (Slovak Geological Society)
2012 Award of the Slovak Geological Society - Best paper in Earth Science for 2010-2011
2012 Award of the Slovak Geological Society - Best paper in Earth Science for 2010-2011 for young scientists
2006 Outstanding PALAIOS paper
2006 John Sepkoski Grant Award (Paleontological Society)
2003 Stephen J. Gould Grant Award (Paleontological Society)
2003 Systematic Association Grant Award
2001 Grant in Aid (American Association of Petroleum Geologists)

PRESENTATIONS

53. European Geoscience Union General Assembly, Vienna, Austria, 04/2020 (online)
52. NACP 2019-North American Paleontological Convention, Riverside, USA 06/2019
51. European Geoscience Union General Assembly, Vienna, Austria, 04/2019
50. Jurassica 2019 - Regional Jurassic Symposium, Comenius University, Slovakia 06/2019
49. Annual Meeting of the Geological Society of America, Indianapolis, 10/2018 (talk)
48. 8th International Brachiopod Congress, Milan, Italy, 09/2018 (talk)
47. Ocean Deoxygenation Conference, Kiel, Germany, 09/2018 (talk)
46. 5th International Paleontological Congress, Paris, France, 07/2018 (2 talks)
45. European Geoscience Union General Assembly, Vienna, Austria, 04/2018 (poster)
44. Annual Meeting of the Geological Society of America, Seattle, USA, 10/2017 (talk)
43. 8th international Meeting on Taphonomy and Fossilization, Vienna 09/2017 (talk)
40. Jurassica 2017 - Regional Jurassic Symposium, 6/2017, Poland (poster)

42. European Geoscience Union General Assembly, Vienna, Austria, 04/2017 (talk)
41. European Geoscience Union General Assembly, Vienna, Austria, 04/2016 (posters)
40. Jurassica 2016 - Regional Jurassic Symposium, 4/2016, Slovakia (poster)
39. Annual Meeting of the Geological Society of America, Baltimore, USA, 10/2015 (talk)
38. European Geoscience Union General Assembly, Vienna, Austria, 04/2015 (talk)
37. Jurassica 2014 - Regional Jurassic Symposium, 10/2014, Poland (talk)
36. European Geoscience Union General Assembly, Vienna, Austria, 05/2014 (talk)
35. 10th North American Paleontological Convention, Gainesville, Florida, USA, 02/2014 (talk)
34. The 9th International Congress on the Jurassic System, Jaipur, Rajasthan, India, 01/2014 (talk)
33. Annual Meeting of the Geological Society of America, Charlotte, USA, 11/2012 (talk)
32. Centenary Meeting of the Paläontologische Gesellschaft, Berlin, Germany, 9/2012 (talk)
31. 97th Ecological Society of America Annual Meeting, Portland, USA, 8/2012 (talk)
30. World Conference on Marine Biodiversity, Aberdeen, UK, 09/2011 (talk)
29. Jurassica 2011 - Regional Jurassic Symposium, 09/2011, Malogoszcz, Poland (talk)
28. International Meeting on Taphonomy-Taphos 2011, Tuebingen, Germany, 06/2011 (talk)
27. Annual Meeting of the Geological Society of America, Denver, USA, 10/2010 (talk)
26. European Geoscience Union General Assembly, Vienna, Austria, 05/2010 (talk)
25. 6th International Brachiopod Meeting, 02/2010, Melbourne, Australia (talk)
24. Jurassica 2009 - Regional Jurassic Symposium, 10/2009, Vršatec, Slovakia (talk)
23. 10th Meeting of Czech, Slovak and Polish paleontologists, 10/2009, Banská Bystrica, Slovakia (talk)
22. 9th North American Paleontological Convention, Cincinnati, Ohio, USA, 6/2009 (talk)
21. 94th Ecological Society of America Annual Meeting, Albuquerque, New Mexico, USA, 8/2009 (talk)
20. Annual Meeting of the Geological Society of America, Houston, USA, 10/2008 (2 talks)
19. International Meeting on Taphonomy-Taphos 2008, Granada, Spain, 6/2008 (talk)
18. Geological Society of America North-Central Section Meeting, Evansville-Indiana, USA, 4/2008 (talk)
17. Annual Meeting of the Geological Society of America, Denver, USA, 10/2007 (talk)
16. 92nd Ecological Society of America/Society for Ecological Restoration Joint Meeting, 08/2007, San Jose, California, USA (talk)
15. 7th Meeting of Czech and Slovak paleontologists, 10/2006, Brno, Czech Republic (talk)

14. 7th International Congress on the Jurassic System, 09/2006, Krakow, Poland (*talk*)
13. 5th field workshop of IGCP 458 - Triassic/Jurassic boundary events, 09/2005, Tata, Hungary (*talk*)
12. 75th Annual Meeting of the Paläontologische Gesellschaft, 09/2005, Graz, Austria (*talk*)
11. The Fifth International Brachiopod Congress, 07/2005, Copenhagen, Denmark (*talk and two posters*)
10. 48th Annual Meeting of the Palaeontological Association, 12/2004, Lille, France (*poster*)
9. 74th Annual Meeting of the Paläontologische Gesellschaft, 10/2004, Göttingen, Germany (*two talks*)
8. 3rd field workshop of IGCP 458 - Triassic/Jurassic boundary events, 10/2003, Stará Lesná, Slovakia (*talk*)
7. 73th Annual Meeting of the Paläontologische Gesellschaft, 10/2003, Mainz, Germany (*talk*)
6. 72th Annual Meeting of the Paläontologische Gesellschaft, 10/2002, Würzburg, Germany (*talk*)
5. Environmental, Structural and Stratigraphical Evolution of the Western Carpathians - 06/2002, Bratislava, Slovakia (*two talks*)
4. 1st field workshop of IGCP 458 - Triassic/Jurassic boundary events, 10/2001, Taunton, UK (*talk*)
3. International Conference on Paleobiogeography and Paleoecology, 06/2001, Piacenza & Castell'Arquato, Italy (*talk and poster*)
2. Environmental, Structural and Stratigraphical Evolution of the Western Carpathians - 09/2000, Bratislava, Slovakia (*talk and poster*)
1. The 4th International Brachiopod Congress, 07/2000, London, UK (*poster*)

INVITED PRESENTATIONS

- 01/2021 ICBM Colloquia, Carl von Ossietzky Universität Oldenburg (online)
- 11/2020 Österreichische Geologische Gesellschaft, University of Vienna (online)
- 02/2018 Ecological modelling in paleoecology, Faculty of Earth Sciences, Geography and Astronomy, University of Vienna
- 07/2018 5th International Palaeontological Congress, Paris
- 04/2018 Center for Theoretical Study, Charles University-Czech Academy of Sciences, Prague
- 05/2017 Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Trieste, Italy:
- 10/2012 Paleontological Institute, University of Vienna
- 02/2010 6th International Brachiopod Meeting, Melbourne, Australia. Talk: Evolutionary changes in brachiopod body size during the Mesozoic.
- 08/2009 Smithsonian Institution, Washington D.C.
- 05/2007 Stanford University. Talk: Inferring temporal variation in marine benthic communities from dead shell accumulations.
- 02/2005 Tübingen Universität. Talk: Brachiopod shell beds: predictions from theory vs. observations (Morocco)
- 11/2000 Wien Universität. Talk: Benthic communities in the Upper Triassic deposits of the Fatic Unit, West Carpathians