Miglė Stančikaitė

CONTACT INFORMATION

Address	Akademijos Str.. 2, Vilnius LT-08412, Lithuania
E-mail:	migle.stancikaite@gamtc.lt
Links:	https://orcid.org/0000-0001-9425-5634 Migle STANCIKAITE | Chief Researcher | Dr. | Nature Research Centre, Vilnius | Laboratory of Quaternary Research (researchgate.net) migle.stancikaite@gamtc.lt

EDUCATION AND ACADEMIC DEGREE

1995 – 2000	Doctor studies at the Vilnius University, Vilnius, Lithuania. Dissertation in Geology (05P, geology) Title: *Natural and human initiated environmental changes throughout the Late Glacial and Holocene in Lithuania territory*, defended at 13 March, 2000, diploma registered at April 12, 2000, No. 017024 Scientific Supervisor: Prof. Habil. Dr. Meilutė Kabailienė (Vilnius University) Thematic approach: vegetation dynamics, palaeoenvironmental and palaeoclimatic changes, history of the subsistence economy
1987 – 1992	Studies at the Vilnius University, Faculty of the Natural Science, Diploma of Hydrogeologist–Engineering Geologist (Master degree presently)

PROFESSIONAL EXPERIENCE

Scientific activity

2015 09 – until now	**Chief Researcher, Laboratory of Quaternary Research** Nature Research Centre
2001 02 – 2015 09	**Senior Researcher, Laboratory of Quaternary Research** Nature Research Centre
2017 03 – 2021 12	**Chief Researcher, Institute of Baltic Region History and Archaeology** Klaipėda University
2012 09 – 2017 03	**Senior Researcher, Institute of Baltic Region History and Archaeology** Klaipėda University
1995 09 – 2001 05	**Junior Researcher, Faculty of the Natural Sciences** Vilnius University
1992 08 – 2001 02	**Senior Geologist** Lithuanian Geological Survey

Administrative experiences:

2013 05 – 2024 12	**Deputy Director for Science of the Nature Research Centre**
2010 02 – 2012 09	**Head of the Institute of the Geology and Geography, Nature Research Centre**
2008 08 – 2009 12	**Deputy Director for Science of the Institute of the Geology and Geography**
2001 11 – 2008 08	**Head of the Quaternary Geology Department, Institute of the Geology and Geography**

RESEARCH INTERESTS

The main scientific interests of Dr. Miglė Stančikaitė are focused on survey of the environmental history emphasising natural and human induced palaeoecological, palaeoclimatological and palaeogeographical changes throughout the last 15,000 years. Multidisciplinary and multi-proxy studies of lake and bog sediments as well as cultural strata play the leading role in reconstruction of vegetation history, history of the sedimentation basins, indication of human impact upon landscape at seasonal or decadal resolution scale. Shore displacement as well as ecological history of the Baltic

Sea and sea-level changes have been studied as well. Indication of regional environmental dynamics are of particular interest during the resent years.

PUBLICATIONS

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science" database (with citation index):

Publications of TOP-10 list:

1. Feurdean, A., Perşoiu, A., Tanţau, I., Stevens, T., Magyari, E., Onac, B., Marković, S., Andrič, M., Connor, S., Farcaş, S., Gałka, M., Gaudeny, T., Hoek, W., Kolaczek, P., Kuneš, P., Lamentowicz, M., Marinova, E., Michczyńska, D., Perşoiu, I., Płóciennik, M., Słowiński, M., **Stančikaitė, M.**, Sumegi, P., Svensson, A., Tamaş, T., Timar-Gabor, A., Tonkov, S., Toth, M., Veski, S., Willis, K. J., & Zernitskaya, V. (2014). Climate variability and associated vegetation response throughout Central and Eastern Europe (CEE) between 60 and 8 ka. *Quaternary Science Reviews*. 106: 206-224. https://doi.org/10.1016/j.quascirev.2014.06.003 **(on the *TOP-10* list - 2019, 2018, 2017 years)**
2. Dietze, E., Theuerkauf, M., Bloom, K., Brauer, A., Dörfler, W., Feeser, I., Feurdean, A., Gedminienė, L., Giesecke, T., Jahns, S., Karpińska-Kołaczek, M., Kołaczek, P., Lamentowicz, M., Latałowa, M., Marcisz, K., Obremska, M., Pędziszewska, A., Poska, A., Rehfeld, K., **Stančikaitė, M.,** Stivrins, N., Święta-Musznicka, J., Szal, M., Vassiljev, J., Veski, S., Wacnik, A., Weisbrodt, D., Wiethold, J., Vannière, B., & Słowiński, M. (2018). Holocene fire activity during low-natural flammability periods reveals scale-dependent cultural human-fire relationships in Europe. *Quaternary science reviews*, *201*, 44-56. doi:10.1016/j.quascirev.2018.10.005 **(on the *TOP-10* list - 2019 year)**
3. **Stančikaitė, M.,** Gedminienė, L., Edvardsson, J., Stoffel, M., Corona, C., Gryguc, G., Uogintas, D., Zinkutė, R., Skuratovič, Ž., & Taraškevičius, R. (2019). Holocene vegetation and hydroclimatic dynamics in SE Lithuania - Implications from a multi-proxy study of the Čepkeliai bog. *Quaternary international*, *501*, 219-239. doi:10.1016/j.quaint.2017.08.039 **(on the *TOP-10* list - 2019 year)**
4. Feurdean, A., Vannière, B., Finsinger, W., Warren, D., Connor, S. C., Forrest, M., Liakka, J., Panait, A., Werner, C., Andrič, M., Bobek, P., Carter, V. A., Davis, B., Diaconu, A. C., Dietze, E., Feeser, I., Florescu, G., Gałka, M., Giesecke, T., Jahns, S., Jamrichová, E., Kajukało, K., Kaplan, J., Karpińska-Kołaczek, M., Kołaczek, P., Kuneš, P., Kupriyanov, D., Lamentowicz, M., Lemmen, C., Magyari, E. K., Marcisz, K., Marinova, E., Niamir, A., Novenko, E., Obremska, M., Pędziszewska, A., Pfeiffer, M., Poska, A., Rösch, M., Słowiński, M., **Stančikaitė, M.**, Szal, M., Święta-Musznicka, J., Tanţău, I., Theuerkauf, M., Tonkov, S., Valkó, O., Vassiljev, J., Veski, S., Vincze, I., Wacnik, A., Wiethold, J., & Hickler, T. (2020). Fire hazard modulation by long-term dynamics in land cover and dominant forest type in eastern and central Europe. *Biogeosciences*, 17(5), 1213-1230. doi:10.5194/bg-17-1213-2020 **(on the *TOP-10* list – 2020 and 2021 years)**

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1. Gedminienė, L., Spiridonov, A., **Stančikaitė, M.,** Skuratovič., Vaikutienė, G., Daumantas, L., Sakari Salonen., J. 2025. Temporal and spatial climate changes in the mid-Baltic region in the Late Glacial and the Holocene: pollen-based reconstructions. *Catena*, 252, May 2025, 108851, https://doi.org/10.1016/j.catena.2025.108851.
2. Valūnas, D., Mažeika, J., Pukienė, R., **Stančikaitė, M.,** Skuratovič. Ž. 2024. Inter- and intra-annual carbon isotope fluctuations in Pinus sylvestris L. tree rings whole wood and cellulose in north-eastern Lithuania. *Geochronometria* 51 (2024) 192785. DOI 10.20858/GEOCHR/192785
3. Serge, M.A.; Mazier, F.; Fyfe, R.; Gaillard, M.-J.; Klein, T.; Lagnoux, A.; Galop, D.; Githumbi, E.; Mindrescu, M.; Nielsen, A.B., Trondman, A.-K., Poska,A., Sugita, S., Woodbridge, J., Abel-Schaad, D., Åkesson, C., Alenius, T., Ammann, B., Andersen, S.T., Scott Anderson, R., Andrič, M., Balakauskas, L., Barnekow, L., Batalova, V., Bergman, J., Birks, H.J.B., Björkman, L., Bjune, A.J., Borisova, O., Broothaerts, N., Carrion, J., Caseldine, C., Christiansen, J., Cui, Q., Currás, A., Czerwinski, S., David, R., Davies, A.L., De Jong, R., Di Rita, F., Dietre, B., Dörfler, W., Doyen, E., Edwards, K.J., Ejarque, A., Endtmann, E., Etienne, D., Faure, E., Feeser, I., Feurdean, A., Fischer, E., Fletcher, W., Franco-Múgica, F., Fredh, E.D., Froyd, C., Garcés-Pastor, S., García-Moreiras, I., Gauthier, E., Gil-Romera, G., González-Sampériz, P., Grant, M.J., Grindean, R., Haas, J.N., Hannon,

G., Heather, A.-J., Heikkilä, M., Hjelle, K., Jahns, S., Jasiunas, N., Jiménez-Moreno, G., Jouffroy-Bapicot, I., Kabailiene, M., Kamerling, I. M., Kangur, M., Karpinska-Kołaczek, M., Kasianova, A., Kołaczek, P., Lagerås, P., Latalowa, M., Lechterbeck, J., Leroyer, C., Leydet, M., Lindbladh, M., Lisitsyna, O., López-Sáez, J.-A., Lowe, J., Luelmo-Lautenschlaeger, R., Lukanina, E., Macijauskaite, L., Magri, D., Marguerie, D., Marquer, L., Martinez-Cortizas, A., Mehl, I., Mesa-Fernández, J.M., Mighall, T., Miola, A., Miras, Y., Morales-Molino, C., Mrotzek, A., Muñoz Sobrino, C., Odgaard, B., Ozola, I., Pérez-Díaz, S., Pérez-Obiol, R.P., Poggi, C., Ramil Rego, P., Ramos-Román, M.J., Rasmussen, P., Reille, M., Rösch, M., Ruffaldi, P., Sanchez Goni, M., Savukynienė, N., Schröder, T., Schult, M., Segerström, U., Seppä, H., Servera Vives, G., Shumilovskikh, L., Smettan, H.W., **Stancikaite, M**., Stevenson, A.C., Stivrins, N., Tantau, I., Theuerkauf, M., Tonkov, S., van der Knaap, W.O., van Leeuwen, J.F.N., Vecmane, E., Verstraeten, G., Veski, S., Voigt, R., Von Stedingk, H., Waller, M.P., Wiethold, J., Willis, K. J., Wolters, S., Zernitskaya, V.P. 2023. Testing the Effect of Relative Pollen Productivity on the REVEALS Model: A Validated Reconstruction of Europe-Wide Holocene Vegetation. *Land* 2023, 12, 986. https://doi.org/ 10.3390/land12050986.

4. Satkūnas, J., Girininkas, A., Rimkus, T., Daugnora, L., Grigienė, A., **Stančikaitė, M.,** Slah, G., Skuratovič, Ž., Uogintas, D., Žulkus, V., 2023. New ^{14}C data of megafaunal remains from Lithuania – implications for the palaeoenvironmental interpretation of the Middle Weichselian. *Geological Quarterly*, 2023, 67: 3, doi: 10.7306/gq.1671
5. Druzhinina, O., **Stančikaitė, M.,** Gedminienė, L., Vaikutienė, G., Lavrova, N., Kublitskiy, Y., Subetto, D. 2023. Anthropogenic impact on the landscape of the Vishtynets Upland (Kaliningrad region, SE Baltic) in prehistory and Middle Ages: A multi-proxy palaeoenvironmental study. *Quaternary International*, 644-645, 145-159. https://doi.org/10.1016/j.quaint.2022.05.016
6. Gudaitienė, G., Motuza, G., **Stančikaitė, M.,** Pukienė, R., Kisielienė, D., Mažeika, J., Čelkis, T., Baltramiejūnaitė, D., Šapolaitė, J., Ežerinskis, Ž. 2022. New insights into the medieval history of a non-urban territory: multidisciplinary investigations in SE Lithuania. *Baltica*, 35 (2), 91–113. https://doi.org/10.5200/baltica.2022.2.1
7. **Stančikaitė, M.,** Zernitskaya, V., Kluczynska, G., Valūnas, D., Gedminienė, L., Uogintas, D., Skuratovič, Ž., Vlasov, B., Gastevičienė, N., Ežerinskis, Ž., Šapolaitė, J., Šeirienė, V. 2022. The Lateglacial and Early Holocene vegetation dynamics: New multi-proxy data from the Central Belarus. *Quaternary International*, 630, 121–136. https://doi.org/10.1016/j.quaint.2021.05.004
8. Harrison, S.P., Villegas-Diaz, R., Cruz-Silva, E., Gallagher, D., Kesner, D., Lincoln, P., Shen, Y., Sweeney, L., Colombaroli, D., Ali, A., Barhoumi, Ch., Bergeron, Y., Blyakharchuk, T., Bobek, P., Bradshaw, R., Clear, J.-K., Czerwinski, S., Daniau, A-L., Dodson, J., Edwards, K.J., Edwards, M.E., Feurdean, A., Foster, D., Gajewski, K., Gałka, M., Garneau, M., Giesecke, T., Romera, G.G., Girardin, M.P., Hoefer, D., Huang, K., Inoue, J., Jamrichová, E., Jasiunas, N., Jiang, W., Jiménez-Moreno, G., Karpinska-Kołaczek, M., Kołaczek, P., Kuosmanen, N., Lamentowicz, M., Lavoie, M., Li, F., Li, J., Lisitsyna, O., López-Sáez, J.A., Luelmo-Lautenschlaeger, R., Magnan, G., Magyari, E.K., Maksims, A., Marcisz, K., Marinova, E., Marlon, J., Mensing, S., Miroslaw-Grabowska, J., Oswald, W., Pérez-Díaz, S., Pérez-Obiol, R., Piilo, S., Poska, A., Qin, X., Remy, C.C., Richard, P.J.H., Salonen, S., Sasaki, N., Schneider, H., Shotyk, W., **Stancikaite, M.,** Šteinberga, D., Stivrins, N., Takahara, H., Tan, Z., Trasune, L., Umbanhowar, Ch. E., Väliranta, M., Vassiljev, J., Xiao, X., Xu, Q., Xu, X., Zawisza, E., Zhao, Y., Zhou, Z., Paillard, J. 2022. The Reading Palaeofire Database: an expanded global resource to document changes in fire regimes from sedimentary charcoal records. *Earth Systen Science Data*, 14, 1109–1124, 2022 https://doi.org/10.5194/essd-14-1109-2022
9. Izdebski, A., Guzowski, P., Poniat, R., Masci, L., Palli, J., Vignola, C., Bauch, M., Cocozza, C., Fernandes, R., Ljungqvist, F. C., Newfield, T., Seim, A., Abel-Schaad, D., Alba-Sánchez, F., Björkman, L., Brauer, A., Brown, A., Czerwiński, S., Ejarque, A., Fiłoc, M., Florenzano, A., Fredh, E.D., Fyfe, R., Jasiunas, N., Kołaczek, P., Kouli, K., Kozáková, R., Kupryjanowicz, M., Lagerås, P., Lamentowicz, M., Lindbladh, M., López-Sáez, J.A., Luelmo-Lautenschlaeger, R., Marcisz, K., Mazier, F., Mensing, S., Mercuri, A. M., Milecka, K., Miras, Y., Noryśkiewicz, A.M., Novenko, E., Obremska, M., Panajiotidis, S., Papadopoulou, M. L., Pędziszewska, A., Pérez-Díaz, S., Piovesan, G., Pluskowski, A., Pokorny, P., Poska, A., Reitalu, T., Rösch, M., Sadori, L., Sá Ferreira, C., Sebag, D., Słowiński, M., **Stančikaitė, M.,** Stivrins, N., Tunno, I., Veski, S., Wacnik, A., Masi, A. 2022. Palaeoecological data indicates land-use changes across Europe linked to spatial heterogeneity in mortality during the Black Death pandemic. *Nat Ecol Evol* (2022). https://doi.org/10.1038/s41559-021-01652-4

10. Spiridonov, A., Vaikutienė, G., Stankevič, R., Druzhinina, O., Šeirienė, V., Subetto, D., Kublitsky, J., **Stančikaitė, M.** 2021. Response of freshwater diatoms to cold events in the Late Pleistocene and Early Holocene (SE Baltic region). *Quaternary International*, 589, 112-123. https://doi.org/10.1016/j.quaint.2021.02.017
11. Šeirienė, V., Gastevičienė, N., Luoto, T.P., Gedminienė, L., **Stančikaitė, M.** 2021. The Lateglacial and early Holocene climate variability and vegetation dynamics derived from chironomid and pollen records of Lieporiai palaeolake, North Lithuania. *Quaternary International*, 605-606, 55–64. https://doi.org/10.1016/j.quaint.2020.12.017
12. Kublitskiy, Y., Kul`kova, M., Druzhinina, O., Subetto, D., **Stančikaitė, M.,** Gedminienė, L., Arslanov, K. 2020. Geochemical approach to the reconstruction of sedimentation processes in Kamyshovoye Lake (SE Baltic, Russia) during the Late Glacial and Holocene. *Minerals*, 10, 764; doi:10.3390/min10090764
13. Druzhinina, O., Kublitskiy, Y., **Stančikaitė, M.,** Nazarova, L., Syrykh, L., Gedminienė, L., Uogintas, D., Skipityte, R., Arslanov, K., Vaikutienė, G., Kul`kova, M., Subetto, D. 2020. The Late Pleistocene - Early Holocene palaeoenvironmental evolution in the SE Baltic region: a new approach based on chironomid, geochemical and isotopic data from Kamyshovoye Lake, Russia. *Boreas*, 49(3), 544-561. https://doi.org/10.1111/bor.12438. ISSN 0300-9483
14. Feurdean, A., Vannière, B., Finsinger, W., Warren, D., Connor, S. C., Forrest, M., Liakka, J., Panait, A., Werner, C., Andrič, M., Bobek, P., Carter, V. A., Davis, B., Diaconu, A. C., Dietze, E., Feeser, I., Florescu, G., Gałka, M., Giesecke, T., Jahns, S., Jamrichová, E., Kajukało, K., Kaplan, J., Karpińska-Kołaczek, M., Kołaczek, P., Kuneš, P., Kupriyanov, D., Lamentowicz, M., Lemmen, C., Magyari, E. K., Marcisz, K., Marinova, E., Niamir, A., Novenko, E., Obremska, M., Pędziszewska, A., Pfeiffer, M., Poska, A., Rösch, M., Słowiński, M., **Stančikaitė, M.**, Szal, M., Święta-Musznicka, J., Tanţău, I., Theuerkauf, M., Tonkov, S., Valkó, O., Vassiljev, J., Veski, S., Vincze, I., Wacnik, A., Wiethold, J., Hickler, T. 2020. Fire hazard modulation by long-term dynamics in land cover and dominant forest type in eastern and central Europe. *Biogeosciences*, 17(5), 1213-1230. doi:10.5194/bg-17-1213-2020
15. Spiridonov, A., Balakauskas, L., Stankevič, R., Gryguc, G., Gedminienė, L., **Stančikaitė, M.** 2019. Holocene vegetation patterns in southern Lithuania indicate astronomical forcing on the millennial and centennial time scales. *Scientific reports, 9,* 1-15. doi:10.1038/s41598-019-51321-7
16. Gedminienė, L., Šiliauskas, L., Skuratovič, Ž., Taraškevičius, R., Zinkutė, R., Kazbaris, M., Ežerinskis, Ž., Šapolaitė, J., Gastevičienė, N., Šeirienė, V., **Stančikaitė, M.** 2019. The Lateglacial-Early Holocene dynamics of the sedimentation environment based on the multi-proxy abiotic study of Lieporiai palaeolake, Northern Lithuania. *Baltica, 32*(1), 91-106. doi:10.5200/baltica.2019.1.8
17. **Stančikaitė, M.,** Simniškytė, A., Skuratovič, Ž., Gedminienė, L., Kazakauskas, V., Uogintas, D. 2019. Reconstruction of the mid-to Late-Holocene history of vegetation and land-use in Petresiunai, north-east Lithuania: Implications from palaeobotanical and archaeological data. *Quaternary International, vol. 516,* 5-20. doi:10.1016/j.quaint.2018.09.029
18. Šeirienė, V., Šinkūnas, P., **Stančikaitė, M.,** Kisielienė, D., Gedminienė, L. 2019. Late Middle Pleistocene interglacial sediments from Buivydžiai site, eastern Lithuania: a problem of chronostratigraphic correlation. *Quaternary International, 534,* 18-29. doi:10.1016/j.quaint. 2019.03.006
19. **Stančikaitė, M.,** Gedminienė, L., Edvardsson, J., Stoffel, M., Corona, C., Gryguc, G., Uogintas, D., Zinkutė, R., Skuratovič, Ž., Taraškevičius, R. 2019. Holocene vegetation and hydroclimatic dynamics in SE Lithuania - Implications from a multi-proxy study of the Cepkeliai bog. *Quaternary international, 501,* 219-239. doi:10.1016/j.quaint.2017.08.039
20. Dietze, E., Theuerkauf, M., Bloom, K., Brauer, A., Dörfler, W., Feeser, I., Feurdean, A., Gedminienė, L., Giesecke, T., Jahns, S., Karpińska-Kołaczek, M., Kołaczek, P., Lamentowicz, M., Latałowa, M., Marcisz, K., Obremska, M., Pędziszewska, A., Poska, A., Rehfeld, K., **Stančikaitė, M.,** Stivrins, N., Święta-Musznicka, J., Szal, M., Vassiljev, J., Veski, S., Wacnik, A., Weisbrodt, D., Wiethold, J., Vannière, B., Słowiński, M. 2018. Holocene fire activity during low-natural flammability periods reveals scale-dependent cultural human-fire relationships in Europe. *Quaternary science reviews, 201,* 44-56. doi:10.1016/j.quascirev.2018.10.005
21. Edvardsson, J., **Stančikaitė, M.**, Miras, Y., Corona, C., Gryguc, G., Gedminienė, L., Mažeika, J., Stoffel, M. 2018. Late-Holocene vegetation dynamics in response to a changing climate and anthropogenic influences – Insights from stratigraphic records and subfossil trees from southeast Lithuania. *Quaternary science reviews, 185,* 91-101. doi:10.1016/j.quascirev.2018.02.006

22. Stivrins, N., Soininen, J., Amon, L., Fontana, S. L., Gryguc, G., Heikkilä, M., Heiri, O., Kisielienė, D., Reitalu, T., **Stančikaitė, M.,** Veski, S., Seppä, H. 2016. Biotic turnover rates during the Pleistocene-Holocene transition. *Quaternary Science Reviews, 151*, 100-110. doi:10.1016/j.quascirev.2016.09.008
23. Zernitskaya, V., **Stančikaitė, M.,** Vlasov, B., Šeirienė, V., Kisielienė, D., Gryguč, G., Skipitytė, R. 2015. Vegetation pattern and sedimentation changes in the context of the Lateglacial climatic events: case study of Staroje Lake (Eastern Belarus). *Quaternary International, 386,* 70-82. doi:10.1016/j.quaint.2014.06.045
24. **Stančikaitė, M.,** Šeirienė, V., Kisielienė, D., Martma, T., Zinkutė, R., Mažeika, J., Šinkūnas, P. 2015. Lateglacial and early Holocene environmental dynamics in northern Lithuania: a multi-proxy record from Ginkūnai Lake. *Quaternary International,* 357, 44-57. doi:10.1016/j.quaint.2014.08.036
25. Veski, S., Seppä, H., **Stančikaitė, M.,** Zernitskaya, V., Reitalu, T., Gryguč, G., Heinsalu, A., Stivrins Normund, , Amon, L., Vassiljev, J., Heiri, O. 2014. Quantitative summer and winter temperature reconstructions frompollen and chironomid data between 15 and 8 ka BP in the Baltic-Belarus area. *Quaternary International,* 388, 4-11. doi:10.1016/j.quaint.2014.10.059
26. Feurdean, A., Perşoiu, A., Tanţau, I., Stevens, T., Magyari, E., Onac, B., Marković, S., Andrič, M., Connor, S., Farcaş, S., Gałka, M., Gaudeny, T., Hoek, W., Kolaczek, P., Kuneš, P., Lamentowicz, M., Marinova, E., Michczyńska, D., Perşoiu, I., Płóciennik, M., Słowiński, M., **Stančikaitė, M.**, Sumegi, P., Svensson, A., Tamaş, T., Timar-Gabor, A., Tonkov, S., Toth, M., Veski, S., Willis, K. J., Zernitskaya, V. 2014. Climate variability and associated vegetation response throughout Central and Eastern Europe (CEE) between 60 and 8 ka. *Quaternary Science Reviews*. 106: 206-224. https://doi.org/10.1016/j.quascirev.2014.06.003
27. Gryguc, G., Kisielienė, D., **Stančikaitė, M.,** Šeirienė, V., Skuratovič, Ž., Vaitkevičius, V., Gaidamavičius, A. 2013. Holocene sediment record from Briaunis palaeolake, Eastern Lithuania: history of sedimentary environment and vegetation dynamics. *Baltica, 26*(2), 121-136. doi:10.5200/baltica.2013.26.13
28. **Stančikaitė, M.,** Bliujienė, A., Kisielienė, D., Mažeika, J., Taraškevičius, R., Messal, S., Szwarczewski, P., Kusiak, J., Stakėnienė, R. 2013. Population history and palaeoenvironment in the Skomantai archaeological site, West Lithuania: two thousand years. *Quaternary International, 308-309,* 190-204. doi:10.1016/j.quaint.2012.08.2108, **Q2**
29. Balakauskas, L., Taminskas, J., Mažeika, J., **Stančikaitė, M.** 2013. Lateglacial and early-Holocene palaeohydrological changes in the upper reaches of the Ūla River: An example from southeastern Lithuania: an example from southeastern Lithuania. *The Holocene, 23*(1), 117-126. doi:10.1177/0959683612455552, **Q1**
30. Kisielienė, D., Masiulienė, I., Daugnora, L., **Stančikaitė, M.,** Mažeika, J., Vaikutienė, G., Petrošius, R. 2012. History of the environment and population of the old town of Klaipėda, Western Lithuania: multidisciplinary approach to the last millennium. *Radiocarbon, 54*(3-4), 1003-1015. doi:10.2458/azu_js_rc.v54i3–4.16143
31. Piličiauskas, G., Mažeika, J., Gaidamavičius, A., Vaikutienė, G., Bitinas, A., Skuratovič, Ž., **Stančikaitė, M.** 2012. New archaeological, paleoenvironmental, and 14C data from the Šventoji neolithic sites, NW Lithuania. *Radiocarbon, 54*(3-4), 1017-1031. doi:10.1017/S0033822200047640
32. Taraškevičius, R., **Stančikaitė, M.,** Bliujienė, A., Stakėnienė, R., Zinkutė, R., Kusiak, J. 2012. Search for geochemical indicators of pre-urban habitation sites: case study from the Skomantai hill-fort and settlement, western Lithuania. *Geochemistry: exploration, environment, analysis*, *12*(4), 265-275. doi:10.1144/geochem2012-123
33. Salonen, J. S., Ilvonen, L., Seppä, H., Holmström, L., Telford, R. J., Gaidamavičius, A., **Stančikaitė, M.,** Subetto, D. 2012. Comparing different calibration methods (WA/WA-PLS regression and Bayesian modelling) and different-sized calibration sets in pollen-based quantitative climate reconstruction. *The Holocene, 22*(4), 413-424. doi:10.1177/0959683611425548
34. Satkūnas, J., **Stančikaitė, M.** 2009. Pleistocene and Holocene palaeoenvironments and recent processes across NE Europe: introduction. *Quaternary International, 207*(1-2), 1-3. doi:10.1016/j.quaint.2009.07.003
35. **Stančikaitė, M.**, Kisielienė, D., Moe, D., Vaikutienė, G. 2009. Lateglacial and early Holocene environmental changes in Northeastern Lithuania. *Quaternary International, 207*(1-2), 80-92. doi:10.1016/j.quaint.2008.10.009

36. Mažeika, J., Blaževičius, P., **Stančikaitė, M.,** Kisielienė, D. 2009. Dating of the cultural layers from Vilnius lower castle, East Lithuania: implications for chronological attribution and environmental history. *Radiocarbon, 51*(2), 515-528
37. **Stančikaitė, M.**, Šinkūnas, P., Risberg, J., Šeirienė, V., Blažauskas, N., Jarockis, R., Karlsson, S., Miller, U. 2009. Human activity and the environment during the Late Iron Age and Middle Ages at the Impiltis archaeological site, NW Lithuania. *Quaternary International*, *203*(1-2), 74-90. doi:10.1016/j.quaint.2008.04.018
38. **Stančikaitė, M.,** Daugnora, L., Hjelle, K., Hufthammer, A. K. 2009. The environment of the Neolithic archaeological sites in Šventoji, Western Lithuania. *Quaternary International*, *207*(1-2), 117-129. doi:10.1016/j.quaint.2009.01.012
39. **Stančikaitė, M.**, Kisielienė, D., Mažeika, J., Blaževičius, P. 2008. Environmental conditions and human interference during the 6th and 13th-15th centuries a.d. at Vilnius Lower Castle, east Lithuania. *Vegetation History and Archaeobotany*, *17*(1), 239-250. doi:10.1007/s00334-008-0181-7
40. **Stančikaitė, M.**, Šinkūnas, P., Šeirienė, V., Kisielienė, D. 2008. Patterns and chronology of the Lateglacial environmental development at Pamerkiai and Kašučiai, Lithuania. *Quaternary Science Rewiews, 27*(1-2), 127-147. doi:10.1016/j.quascirev.2007.01.014
41. **Stančikaitė, M.,** Baltrūnas, V., Šinkūnas, P., Kisielienė, D., Ostrauskas, T. 2006. Human response to the Holocene environmental changes in the Biržulis Lake region, NW Lithuania. *Quaternary International, 150*, 113-129. doi:ISI:000238405700012

Scientific articles published in conference proceedings, indexed in „Clarivate Analytics Web of Science" database:

1. **Stančikaitė, M.**, Simniškytė, A., Skuratovič, Ž., Gedminienė, L., Uogintas, D. 2018. Holocene human-nature interaction in NE Lithuania: an example of the vegetation and land-use history in the surroundings of Petrešiunai Hillfort. *Geophysical Research Abstracts* Vol. 20, EGU2018-19075-1, 2018
2. Dietze, E., Theuerkauf, M., Bloom, K., Brauer, A., Dörfler, W., Feeser, I., Feurdean, A., Gedminiene, L., Giesecke, T., Jahns, S., Karpinska-Kołaczek, M., Kołaczek, P., Lamentowicz, M., Latałowa, M., Marcisz, K., Obremska, M., Pedziszewska, A., Poska, A., Rehfeld, K., **Stancikaite, M.**, Stivrins, N., Swieta-Musznicka, J., Szal, M., Vassiljev, J., Veski, S., Wacnik, A., Weisbrodt, D., Wiethold, J., Słowinski, M. 2018. Holocene fires in the central European lowlands and the role of humans. *Geophysical Research Abstracts* Vol. 20, EGU2018-9629, 2018

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science" database (with citation index):

1. Borzenkova, I., Zorita, E., Borisova, O., Kalnina, L., Kisielienė, D., Koff, T., Kuznetsov, D., Lemdahl, G., Sapelko, T., Stančikaitė, M., Subetto, D. 2015. Climate change during the Holocene: (past 12,000 years). In Second assessment of climate change for the Baltic Sea basin (pp. 25-49). Heidelberg [etc.]: Springer. doi:10.1007/978-3-319-16006-1_2 [SpringerLink] [M.kr.: N 005]

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

International projects

2024-2028 **Project Leader in Lithuania** of the COST programme project CA23116 *Open Palaeoecological Data – analysing the past building foresight (PalaeOpen)*.

2013 – 2016 **Member of the project team** of the project of the Lithuanian-Swiss cooperation Programme financed by Lithuanian Scientific Council *Climate change in peatlands: Holocene record, recent trends and related impacts on biodiversity and sequestered carbon (CLIMPEAT)*. Project Leader - Prof., Habil. Dr. J. Mažeika.

2009 – 2014 **Project Leader in Lithuania** of the COST programme project ES0907 *INTIMATE: INTegrating Ice core, MArine and TErrestrial records (60000 to 8000 years ago)*.

2011 – 2013 **Member of the project team** of the NordForsk project *Biotic response to climate change in cold climates (BIOCOLD)*, Project Leader in Lithuania - Dr. V. Šeirienė.

National projects

2017 – 2020 **Project leader** of the Researchers' initiated project financed by Lithuanian Scientific Council, *Holocene multi-proxy environmental reconstructions and climate dynamics: spatial and temporal context* (HOCE), project budget – 99.7 thousand EUR.

2017 – 2020 **Project leader** the post-doc position financed by Lithuanian Scientific Council *Testing the influence of the Solar cycles and oceanic events on the vegetation dynamics of the postglacial*, project budget – 53.8 thousand EUR.

2012 – 2014 **Project leader** of the project of the National Research Programmes (NRP) Ecosystems in Lithuania: Climate Change and Human Impact *Expansion of palaeovegetation in the context of the postglacial ecosystem dynamics in the eastern Baltic region (Paleoaugalija)*, financed by Lithuanian Scientific Council, project budget 291.4 thousand EUR.

2010 – 2011 **Project leader** project of the National Research Programmes (NRP) Ecosystems in Lithuania: Climate Change and Human Impact *Impact of anthropogenic factors upon the expansion of invasive species in the context of Holocene paleoecosystem changes (Paleoantropoinvazijos)*, financed by Lithuanian Scientific Council, project budget – 200.3 thousand EUR.

2010 – 2011 **Member of the project team** of the Researchers' initiated project financed by Lithuanian Scientific Council *The chronology and inter-regional correlation of paleoclimatic events of the Lithuanian Quaternary*; Project Leader - Dr. V. Šeirienė.

INTERNSHIP AND TRAINING

1993 Research internship at the Botanical Institute of the Bergen University, Norway, financed by the Bergen University

1995 Research internship at the Botanical Institute of the Bergen University, Norway, financed by the "Nordic Scholarship Scheme"

1997 Research internship at the Botanical Institute of the Bergen University, Norway, financed by the Bergen University

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. 2023, July 14 – 20, XXI INQUA Congress *Time for change*, Rome, Italy
2. 2022, September 10 – 16, International Scientific Conference and Field Symposium *Quaternary of the Eastern Baltic Region*, Lithuania-Latvia.
3. 2022, August 27 – 31, International Scientific Conference *The Willi Dansgaard Centenary Symposium*, Copenhagen University; Copenhagen, Denmark.
4. 2019, July 25 – 31, XX INQUA Congress *Life on the Edge*, Dublin, Ireland.
5. 2018, April 7 – 12, EGU General Assembly, Vienna, Austria.
6. 2017, June 6 – 9, *INTIMATE Open workshop and conference, 6-9 June, 2017*, Aberystwyth University, UK.
7. 2016, August 31 – September 4, 22nd Annual Meeting of European Archaeological Association, Vilnius, Lithuania.
8. 2014, September 17 – 21, International Scientific Conference *Terra Sacra project conference*; Riga, Latvia.
9. 2013, June 25 – 30, International Field Seminar of PeriBaltic Group *Palaeolandscapes from Saalian to Weichselian, South Eastern Lithuania*; Trakai, Lithuania.
10. 2013, April 27 – May 3, *INTIMATE: INTegrating Ice core, Marine and Terrestrial records: Climate and environmental change from 60,000-8000 years ago*; Blair Athol, UK.
11. 2013, March 6 – 9, COST Action ES0907 Conference *Terrestrial Records from Eastern Europe*; Cluj Napoca, Romania.
12. 2012, April 25 – 27, Meeting of BioCold project *Biotic response to climate change in cold climates (BioCold), Response patterns, migration processes, extinctions*; Kernavė, Lithuania.
13. 2012, March 25 – 28, COST Action ES0907 Conference *INTIMATE: INTegrating Ice core, Marine and Terrestrial records: Climate and environmental change from 60,000-8000 years ago*; De Lutte, Holland.
14. 2011, April 10 – 15d., International Conference *Radiocarbon and Archaeology: 6th international symposium*; Pafos, Cyprus.
15. 2011, February 7-9d., COST Action ES0907 Conference *INTIMATE INTegrating Ice core, MArine and TErrestrial records: towards high-precision chronologies*; Potsdam, Germany.

16. 2009, September 7 – 13, IGCP 567 International Conference *Earthquake Archaeology and Palaeoseismology;* Baelo Claudia, Spain.
17. 2009, September 4 – 6, International Conference *The Ecology of Crusading - the environmental impact of conquest, colonisation and religious conversion in the Medieval Baltic*; Malbork, Poland.
18. 2009, April 24 – 26, International Conference *Plants and seeds: cultural heritage of Europe*; Bergen, Norway.
19. 2008, September 26 – 27, International Conference *Nordic network of Palaeoclimatology: second conference*; Lund, Sweden.
20. 2008, September 19 – 22, International Conference *INTIMATE 10: Integration of ice core, marine and terrestrial records of the last termination*; Oxford, UK.
21. 2008, July 24 – 29, International Conference *Man and environment in boreal forest zone: past, present and futur*e; Tver, Russia.
22. 2007, May 27 – June 2d., International Conference *The Quaternary of Western Lithuania: from the Pleistocene glaciations to the evolution of the Baltic sea: the INQUA Peribaltic group field symposium*; Plateliai, Lithuania.
23. 2007, July 28 – August 3, *XVII INQUA Congress Tropics-the heath engine of the Quaternary*; Cairns, Australia.
24. 2006, *Man and environment in Pleistocene and Holocene: evolution of waterways and early settlement of Northern Europe*; Sankt-Peterburg, Russia.
25. 2006, *7th European Conference of palaeobotany and palynology*; Praha, Czech Republic.
26. 2004, IGCP 490 Field Seminar *The role of Holocene environmental catastrophes in human history*; Atar, Islamic Republic of Mauritania.
27. 2003, *2nd International NCCR Climate Summer School*; Grindelwald, Switzerland.
28. 2002, *6th European Conference of palaeobotany and palynology*; Athens, Greece.
29. 2001, *Field Symposium on Quaternary Geology in Lithuania*; Anykščiai, Lithuania.
30. 1999, *XV INQUA Congress The environmental background to hominid evolution in Africa*, Durban, Republic of South Africa.

PARTICIPATION IN THE STUDY PROCESS

Bachelor and Master's study programmes:

2006 – 2010	Lecture course "Holocene" for the students of the archaeology study programme, Vilnius University
2006 – 2012	Lecture course "Quaternary Geology" for the students of the archaeology study programme, Klaipėda University
2012 – 2015	Lecture course "Holocene" for the students of the archaeology study programme, Klaipėda University
2006 – 2012	Practical course "Quaternary Geology" for the students of the archaeology study programme, Klaipėda University

Supervision of PhD students:

<u>*Physical Sciences, Geology*</u>

Laura Gedminienė	*The influence of natural and anthropogenic factors on the development of Lateglacial and Holocene (a)biotic palaeoenvironment in the southeastern flank of the Last Scandinavian Glaciation* (http://www.gamtostyrimai.lt/en/studies/defended_theses)	2015 – 2019

<u>*Biomedical Sciences, Ecology and Environmental Sciences*</u>

Domas Uogintas	*The interaction between mesic and steppic grasslands: syntaxonomical, ecological and phytogeographical aspects (*http://www.gamtostyrimai.lt/en/studies/phd-students/domas-uogintas_EN)	2016 – 2018

Scientific consultant:

<u>Nature Sciences, *Ecology and Environmental Sciences*</u>

Darius Valūnas	*Stable carbon isotopes in tree rings: signs of climatic variations and anthropogenic effects in the Baltic region*	2019 – 2026

Supervision of Postdoctoral studies:

Physical Sciences, Geology

Rasa Binkienė	*Short-lasted palaeoecological fluctuations of the postglacial: tendencies and future* perspectives (postdoc student Dr. Rasa Binkienė, http://www.gamtostyrimai.lt/lt/studijos/podoktoranturos-stazuotes/podoktoranturos-stazuotes-iki-2010)	2009 – 2011

Natural Sciences, Geology

Andrej Spiridonov	*Testing the influence of the Solar cycles and oceanic events on the vegetation dynamics of the postglacial* (postdoc student Dr. Andrej Spiridonov, http://www.gamtostyrimai.lt/en/Studies/postdoc/andrej_spiridonov)	2017 – 2020

Since 2011-09-19 Dr. M. Stančikaitė is a member of the *Doctor Studies Committee* for Geology (05P) in Lithuania (https://www.vu.lt/site_files/DRS/DOKTORANTUROS_komitetai/Gamtos_mokslai/Geologijos-mokslo-krypties-doktorantuos-komitetas.pdf).

OTHERS

Awards:

2002	Scholarship for the Young Scientist (Ministry for the Education and Science)
2003	Award of the A. Giedraitis Committee

Expert activity

Expert of the Lithuanian Scientific Council
Expert of the Latvian Scientific Council
Expert of the Centre for Quality Assessment in Higher Education