

1. Користена литература за среден грант „Еволуција или фенотипска пластичност кај *Cyclotella cavitata*-одговор кон еколошките промени во Охридско Езеро во текот на Квартерен период“ на Душица Заова

Cvetkoska, A., Jovanovska, E., Hauffe, T., Dondres, T., Levkov, Z., Van de Waal, D.B., Reed, J.M., Francke, A., Vogel, H., Wilke, T., Wagner, B., Wagner-Cremer, F. (2021). Drivers of phytoplankton community structure change with ecosystem ontogeny during the Quaternary. *Quaternary Science Reviews* Vol. 265. <https://doi.org/10.1016/j.quascirev.2021.107046>

Donders, T., Panagiotopoulos, K., Koutsodendris, A., Bertini, A., Mercuri, A., Masi, A., Combourieu-Nebout, N., Joannin, S., Kouli, K., Kousis, I., Peyron, O., Torri, P., Florenzano, A., Francke, A., Wagner, W., Laura Sadori. (2021). 1.36 million years of Mediterranean forest refugium dynamics in response to glacial-interglacial cycle strength. *Proceedings of the National Academy of Sciences* 118 (34) e2026111118; <https://doi.org/10.1073/pnas.2026111118>.

Fox, R., Donelson, J.M., Schunter, C., Ravasi, T., Gaitán-Espitia, J.D. (2019). Beyond buying time: The role of plasticity in phenotypic adaptation to rapid environmental change. *Phil. Trans. R. Soc. B* 374, 20180174. <https://doi.org/10.1098/rstb.2018.0174>.

Francke, A., Wagner, B., Just, J., Leicher, N., Gromig, R., Baumgarten, H., Vogel, H., Lacey, J.H., Sadori, L., Wonik, T., Leng, M.J., Zanchetta, G., Sulpizio, R., Giaccio, B. (2016). Sedimentological processes and environmental variability at Lake Ohrid (Macedonia, Albania) between 637 ka and the present. *Biogeosciences* 13, 1179–1196. <https://doi.org/10.5194/bg-13-1179-2016>.

- Gächter, R., Müller, B. (2003). Why the phosphorus retention of lakes does not necessarily depend on the oxygen supply to their sediment surface. *Oceanogr.*, 48(2), 929–933. <https://doi.org/10.4319/lo.2003.48.2.0929>.
- Grimm, E.C. (1987). CONISS: a FORTRAN 77 program for stratigraphically constrained cluster analysis by the method of incremental sum of squares. *Comput. Geosci.* 13, 13– 35. [https://doi.org/10.1016/0098-3004\(87\)90022-7](https://doi.org/10.1016/0098-3004(87)90022-7).
- Hammer, Ø, Harper, David A.T., and Paul D. R. (2001). PAST: Paleontological Statistics Software Package for Education and Data Analysis. *Palaeontologia Electronica* 4(1):1-9.
- Head, M. J., & Gibbard, P. (2015). Early–Middle Pleistocene transitions: linking terrestrial and marine realms. *Quaternary International* 389, 7–46. <https://doi.org/10.1016/j.quaint.2015.09.042>.
- Hetem, R.S., Fuller, A., Maloney, S.K., Mitchell, D. (2014). Responses of large mammals to climate change. *Temperature* 1, 115–127. <https://doi.org/10.4161/temp.29651>.
- Ho, W.C., Zhang, J. (2018). Evolutionary adaptations to new environments generally reverse plastic phenotypic changes. *Nat. Commun* 9(1):350. <https://doi.org/10.1038/s41467-017-02724-5>.
- Jiangshan Lai. Canoco 5: a new version of an ecological multivariate data ordination program[J]. *Biodiv Sci*, 2013, 21(6): 765-76.
- Juggins, S. (1991-2007). C2. User guide Version 1.5. Software for ecological and palaeoecological data analysis and visualization. School of Geography, Politics & Sociology. Newcastle University. Newcastle upon Tyne, UK. 73 pp.

- Kender, S., McClymont, E., Elmore, A. *et al.* Mid Pleistocene foraminiferal mass extinction coupled with phytoplankton evolution. *Nat Commun* 7, 11970 (2016). <https://doi.org/10.1038/ncomms11970>.
- Kochoska, H., Zaova, D., Videska, A., Mitic-Kopanja, D., Naumovska, H., Wetzel, C. E., Ector, L., & Levkov. (2021). *Sellaphora pelagonica* (Bacillariophyceae), a new species from dystrophic ponds in the Republic of North Macedonia. *Phytotaxa* 496(2). <https://doi.org/10.11646/phytotaxa.496.2.2>.
- Levkov, Z., Krstic, S., Metzeltin, D. & Nakov, T. (2007): Diatoms of Lakes Prespa and Ohrid (Macedonia). *Iconographia Diatomologica* 16, 1–603.
- Lisiecki, L.E., Raymo, M.E. (2005). A Pliocene-Pleistocene stack of 57 globally distributed benthic $\delta^{18}\text{O}$ records. *Paleoceanography* 20. <https://doi.org/10.1029/2004PA001071>.
- Lisiecki, L.E., Raymo, M.E. (2007). Plio–Pleistocene climate evolution: trends and transitions in glacial cycle dynamics. *Quaternary Science Reviews* 26, 56–69. <https://doi.org/10.1016/j.quascirev.2006.09.005>.
- Ognjanova-Rumenova, N. (2004). Upper Neogene siliceous microfossils from Pelagonia Basin(Balkan Peninsula). *Geologica Carpathica* 56(56 (4)):347-358.
- R Core Team (2021). R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. <https://www.R-project.org/>.

- Rioual, P., Andrieu-Ponel, V., Louis de Beaulieu, J et al. (2007). Diatom responses to limnological and climatic changes at Ribains Maar (French Massif Central) during the Eemian and Early Würm. *Quaternary Science Reviews* 26:1557-1609. <https://doi.org/10.1016/j.quascirev.2007.03.009>.
- Pellans, B., Gibbard, P. (2012). The Quaternary Period. In: The Geologic Time Scale 2012. The Geological Time Scale, 2. Elsevier, pp. 979–1010. <https://doi.org/10.1016/B978-0-44-59425-9.00030-5>.
- Wagner, B., Wilke, T., Krastel, S., Zanchetta, G., Sulpizio, R., Reicherter, K., Leng, M., Grazhdani, A., Trajanovski, S., Levkov, Z., Reed, J., Wonik, T. (2014). More Than One Million Years of History in Lake Ohrid Cores. *Eos Transactions American Geophysical Union* 95, 25–32. <https://doi.org/10.1002/2014EO030001>.
- Wagner, B., Vogel, H., Francke, A., Friedrich, T., Donders, T., Lacey, J.H., Leng, M.J., Regattieri, E., Sadori, L., Wilke, T., Zanchetta, G., Albrecht, C., Bertini, A., Combourieu-Nebout, N., Cvetkoska, A., Giaccio, B., Grazhdani, A., Hauffe, T., Holtvoeth, J., Joannin, S., Jovanovska, E., Just, J., Kouli, K., Kousis, I., Koutsodendris, A., Krastel, S., Lagos, M., Leicher, N., Levkov, Z., Lindhorst, K., Masi, A., Melles, M., Mercuri, A.M., Nomade, S., Nowaczyk, N., Panagiotopoulos, K., Peyron, O., Reed, J.M., Sagnotti, L., Sinopoli, G., Stelbrink, B., Sulpizio, R., Timmermann, A., Tofilovska, S., Torri, P., Wagner-Cremer, F., Wonik, T., Zhang, X. (2019). Mediterranean winter rainfall in phase with African monsoons during the past 1.36 million years. *Nature* 573, 256–260. <https://doi.org/10.1038/s41586-019-1529-0>.

- Wang, P., Tian, J., Lourens, L. (2010). Obscuring of long eccentricity cyclicity in Pleistocene oceanic carbon isotope records. *Earth Planet. Sci. Lett.* 290, 319–330. <https://doi.org/10.1016/j.epsl.2009.12.028>.
- Wickham, H. (2016). *ggplot2: Elegant Graphics for Data Analysis*. Springer-Verlag New York, 2016.
- Wilke, T., Hauffe, T., Jovanovska, E., Cvetkoska, A., Donders, T., Ekschmitt, K., Francke, A., Lacey, J.H., Levkov, Z., Marshall, C.R., Neubauer, T.A., Silvestro, D., Stelbrink, B., Vogel, H., Albrecht, C., Holtvoeth, J., Krastel, S., Leicher, N., Leng, M.J., Lindhorst, K., Masi, A., Ognjanova-Rumenova, N., Panagiotopoulos, K., Reed, J.M., Sadori, L., Tofilovska, S., Bocxlaer, B.V., Wagner-Cremer, F., Wesselingh, F.P., Wolters, V., Zanchetta, G., Zhang, X., Wagner, B. (2020). Deep drilling reveals massive shifts in evolutionary dynamics after formation of ancient ecosystem. *Sci. Adv.* 6,eabb2943. <https://doi.org/10.1126/sciadv.abb2943>.
- Wilke, T., Wagner, B., Van Bocxlaer, B., Albrecht, C., Ariztegui, D., Delicado, D., Francke, A., Harzhauser, M., Hauffe, T., Holtvoeth, J., Just, J., Leng, M.J., Levkov, Z., Penkman, K., Sadori, L., Skinner, A., Stelbrink, B., Vogel, H., Wesselingh, F., Wonik, T. (2016). Scientific drilling projects in ancient lakes: integrating geological and biological histories. *Global Planet. Change* 143, 118e151. <https://doi.org/10.1016/j.gloplacha.2016.05.005>.
- Zaova, D., Naumovska, H., Videska, A., Levkoc, Z. (2020). Diversity and distribution of diatoms (Heterocontophyta, Bacillariophyceae) on National Park Pelister. *Bulletin of the Biology Students Research' Society*. ISSN: 1409 – 9055.

Zaova, D., Cvetkoska, A., Wagner, B., Francke, A., Vogej, H., Levkov, Z., Jovanovska, E. (2022). Diatom community responses to environmental change in Lake Ohrid (Balkan Peninsula) during the mid-Pleistocene Transition. *Quaternary International*. <https://doi.org/10.1016/j.quaint.2022.03.002>.