

Artykuły recenzowane:

- Hernández-Almeida I., Grosjean M., Pla-Rabes S., Filipiak J., Bonk A., Tylmann W., 2017, Influence of inter-annual environmental variability on chrysophyte cyst assemblages: insight from a 2-years sediment trap study in lakes from northern Poland. *Journal of Limnology*, 76: 409-423.
- Witak M., Hernández-Almeida I., Grosjean M., Tylmann W., 2017, Diatom-based reconstruction of trophic status changes recorded in varved sediments of Lake Żabińskie (northeastern Poland), AD 1888-2010. *Oceanological and Hydrobiological Studies* 46: 1-17.
- Butz C., Grosjean M., Goslar T., Tylmann W., 2017, Hyperspectral imaging of sedimentary bacterial pigments: a 1700-year history of meromixis from varved Lake Jaczno, northeast Poland. *Journal of Paleolimnology*, 58: 57-72.
- Poraj-Górska A., Żarczyński M.J., Ahrens A., Enters D., Weisbrodt D., Tylmann W., 2017, Impact of historical land use changes on lacustrine sedimentation recorded in varved sediments of Lake Jaczno, northeastern Poland. *Catena* 153: 182-193.
- Hernández-Almeida I., Grosjean M., Gómez Navarro J.J., Larocque-Tobler I., Bonk A., Enters D., Ustrzycka A., Piotrowska N., Przybylak R., Wacnik A., Witak M., Tylmann W., 2017, Resilience, rapid transitions and regime shifts: fingerprinting the responses of Lake Żabińskie (NE Poland) to climate variability and human disturbance since 1000 AD, *Holocene*, 27: 258-270.
- Szal M., Kupryjanowicz M., Tylmann W., Piotrowska N., 2017, Was it 'terra desolata'? Conquering and colonizing the medieval Prussian wilderness in the context of climate change, *The Holocene*, 27: 465-480.
- Zawiska I., Luoto T.P., Nevalainen L., Tylmann W., Jensen T.C., Obremaska M., Słowiński M., Woszczyk M., Schartau A.H., Walseng B., 2017, Climate variability and lake ecosystem responses in western Scandinavia (Norway) during the last Millennium, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 466: 231-239.
- Weisbrodt D., Enters D., Żarczyński M.J., Poraj-Górska A. I., Tylmann W., 2016. Contribution of non-pollen palynomorphs to reconstructions of land-use changes and lake eutrophication: case study from Lake Jaczno, northeastern Poland. *Limnological Review*, 16(4): 247-256.
- Tylmann W., Kinder M., Żarczyński M., Poraj-Górska A., 2016, Preliminary characteristics of laminations in recent sediments from lakes Kamendul and Perty in the Suwałki Landscape Park, northeastern Poland, *Limnological Review*, 16(4): 237-245.
- Bonk A., Kinder M., Enters D., Grosjean M., Meyer-Jacob C., Tylmann W., 2016. Sedimentological and geochemical responses of Lake Żabińskie (north-eastern Poland) to erosion changes during the last millennium. *Journal of Paleolimnology*, 56: 239-252.
- Butz C., Grosjean M., Poraj-Górska A., Enters D., Tylmann W., 2016. Sedimentary Bacteriopheophytin a as an indicator of meromixis in varved lake sediments of Lake Jaczno, north-east Poland, CE 1891–2010. *Global and Planetary Change*, 144: 109-118.
- Wacnik A., Tylmann W., Bonk A., Goslar T., Enters D., Meyer-Jacob C., Grosjean M., 2016. Determining the responses of vegetation to natural processes and human impacts in north-

eastern Poland during the last millennium: combined pollen, geochemical and historical data. *Vegetation History and Archaeobotany*, 25: 479-498.

- Tylmann W., Bonk A., Goslar T., Wulf S., Grosjean M., 2016. Calibrating ^{210}Pb dating results with varve chronology and independent chronostratigraphic markers: Problems and implications. *Quaternary Geochronology*, 32: 1-10.
- Bonk A., Tylmann W., Goslar T., Wacnika A., Grosjean M., 2015. Comparing varve counting and C-14 chronologies in the sediments of Lake Żabińskie, Northeastern Poland: implications for accurate C-14 dating of lake sediments. *Geochronometria*, 42: 159–171.
- Juśkiewicz W., Marszelewski W., Tylmann W., 2015. Differentiation of the concentration of heavy metals and persistent organic pollutants in lake sediments depending on the catchment management (Lake Gopło case study). *Bulletin of Geography. Physical Geography Series*, 8: 71-80.
- Ilyaschuk E., Ilyaschuk B., Tylmann W., Koinig K., Psanner R., 2015. Biodiversity dynamics of chironomid midges in high-altitude lakes of the Alps over the past two millennia. *Insect Conservation and Diversity*, 8: 547-561.
- Butz C., Grosjean M., Fischer D., Wunderle S., Tylmann W., Rein B., 2015. Hyperspectral imaging spectroscopy: a promising method for the biogeochemical analysis of lake sediments. *Journal of Applied Remote Sensing*, 9: 096031-1-20.
- Hernández-Almeida I., Grosjean M., Przybylak R., Tylmann W., 2015. A chrysophyte-based quantitative reconstruction of winter severity from varved lake sediments in NE Poland during the past millennium and its relationship to natural climate variability. *Quaternary Science Reviews*, 122: 74-88.
- Bonk A., Tylmann W., Amann B., Enters D., Grosjean M., 2015. Modern limnology and varve-formation processes in Lake Żabińskie, northeastern Poland: comprehensive process studies as a key to understand the sediment record. *Journal of Limnology*, 74: 358-370.
- Pędziszewska A., Tylmann W., Witak M., Piotrowska N., Maciejewska E., Latałowa M., 2015. Holocene environmental changes reflected by pollen, diatoms, and geochemistry of annually laminated sediments of Lake Suminko in the Kashubian Lake District (N Poland). *Review of Palaeobotany and Palynology*, 216: 55-75.
- Larocque-Tobler I., Filipiak J., Tylmann W., Bonk A., Grosjean M., 2015. Comparison between chironomid-inferred mean-August temperature from varved Lake Żabińskie (Poland) and instrumental data since 1896AD. *Quaternary Science Reviews*, 111: 35-50.
- Hernández-Almeida I., Grosjean M., Tylmann W., Bonk A., 2015. Chrysophyte cyst-inferred variability of warm season lake water chemistry and climate in northern Poland: training set and downcore reconstruction. *Journal of Paleolimnology* 53: 123-138.
- Amann B., Lobsinger S., Fischer D., Tylmann W., Bonk A., Filipiak J., Grosjean M., 2014. Spring temperature variability and eutrophication history inferred from sedimentary pigments in the varved sediments of Lake Żabińskie, north-eastern Poland, AD 1907-2008. *Global and Planetary Change*, 123: 86-96.

- Woszczyk M., Tylmann W., Jędrasik J., Szarafin T., Stach A., Skrzypczak J., Lutyńska M., 2014. Recent sedimentation dynamics in a shallow coastal lake (Lake Sarbsko, northern Poland): driving factors, processes and effects. *Marine and Freshwater Research*, 65: 1102-1115.
- Woszczyk M., Grassineau N., Tylmann W., Kowalewski G., Lutyńska M., Bechtel A., 2014. Stable C and N isotope record of short term changes in water level in lakes of different morphometry: Lake Anastazewo and Lake Skulskie, central Poland. *Organic Geochemistry*, 76: 278-287.
- Szal M., Kupryjanowicz M., Wyczółkowski M., Tylmann W., 2014. The Iron Age in the Mrągowo Lake District, Masuria, NE Poland: the Salet settlement microregion as an example of long-lasting human impact on vegetation. *Veget Hist Archaeobot*, 23: 419-437.
- Tylmann W., Fischer H., Enters D., Kinder M., Moska P., Ohlendorf C., Poręba G., Zolitschka B., 2014. Reply to the comment by F. Gharbi on “Multiple dating of varved sediments from Lake Łazduny, northern Poland: Toward an improved chronology for the last 150 years”. *Quaternary Geochronology*, 20: 11-113.
- Tylmann W., Zolitschka B., Enters D., Ohlendorf C., 2013. Laminated lake sediments in northeast Poland: distribution, preconditions for formation and potential for paleoenvironmental investigation. *Journal of Paleolimnology*, 50: 487-503.
- Tylmann W., Enters D., Kinder M., Moska P., Ohlendorf C., Poręba G., Zolitschka B., 2013. Multiple dating of varved sediments from Lake Łazduny, northern Poland: Toward an improved chronology for the last 150 years. *Quaternary Geochronology*, 15: 98-107.
- Kinder M., Tylmann W., Enters D., Piotrowska N., Poreba G., Zolitschka B., 2013. Construction and validation of calendar-year time scale for annually laminated sediments – an example from Lake Szurpiły (NE Poland). *GFF*, 135: 248-257.
- Tylmann W., Szpakowska K., Ohlendorf C., Woszczyk M., Zolitschka B., 2012. Conditions for deposition of annually laminated sediments in small meromictic lakes: a case study of Lake Suminko (northern Poland). *Journal of Paleolimnology*, 47: 55-70.
- Tylmann W., 2011. Jeziorne osady rocznie laminowane w północnej Polsce: aktualny stan rozpoznania, postępy metodyczne i perspektywy badawcze. *Studia Limnologica et Telmatologica*, 5: 23-41.
- Tylmann W., Łysek K., Kinder M., Pempkowiak J., 2011. Regional Pattern of Heavy Metal Content in Lake Sediments in Northeastern Poland. *Water, Air & Soil Pollution*, 216: 217-228.
- Tylmann W., Turczyński M., Kinder M., 2009. Sedimentation rates and erosion changes recorded in recent sediments of Lake Piaseczno, south-eastern Poland. *Geologija*, 51: 125-130.
- Dworniczak J., Osadczuk A., Tylmann W., 2008. Seismoacoustic research of Lake Szurpiły bottom sediments (north-eastern Poland). *Limnological Review*, 8: 3-8.
- Tylmann W., Zawadzka M., 2008. Nowe stanowiska laminowanych osadów jeziornych na Pojezierzu Kaszubskim. *Przegląd Geologiczny*, 56(5): 404-408.
- Tylmann W., Gołębiowski R., Woźniak P.P., Czarnecka K., 2007. Heavy metals in sediments as evidence for recent pollution and quasi-estuarine processes: an example from Lake Druzno, Poland. *Environmental Geology*, 53: 35-46.

- Tylmann W., 2007. Pobór i opróbowanie powierzchniowych, silnie uwodnionych osadów jeziornych o nienaruszonej strukturze – uwagi metodyczne i stosowany sprzęt. *Przegląd Geologiczny*, 55: 151-156.
- Pempkowiak J., Tylmann W., Staniszewski A., Gołębiewski R., 2006. Lignin depolymerization products as biomarkers of the organic matter sedimentary record in ^{210}Pb - ^{137}Cs -dated lake sediments. *Organic Geochemistry*, 37: 1452-1464.
- Tylmann W., Woźniak P.P., Czarnecka K., Jaźwiecka M., 2006. New sites with laminated lake sediments in north-eastern Poland: preliminary results of field survey. *Limnological Review*, 6: 283-288.
- Tylmann W., 2005. Lithological and geochemical record of anthropogenic changes in recent sediments of a small and shallow lake (Lake Pusty Staw, northern Poland). *Journal of Paleolimnology*, 33: 313-325.
- Czarnecka K., Tylmann W., Woźniak P.P., 2005. Recent sediments of Lake Druzno (southern basin). *Limnological Review*, 5: 45-51.
- Tylmann W., 2004. Estimating recent sedimentation rates using ^{210}Pb on the example of morphologically complex lake (Upper Lake Raduńskie, N Poland). *Geochronometria*, 23: 21-26.
- Tylmann W., 2004. Heavy metals in recent lake sediments as an indicator of 20th century pollution: Case study on Lake Jasień. *Limnological Review*, 4: 261-268.
- Tylmann W., 2003. Reliability of dating recent lake sediments on the example of a small and shallow reservoir (Pusty Staw, N Poland). *Limnological Review*, 3: 255-260.
- Tylmann W., Białkowski M., 2002, Recent sedimentation rates in Lake Druzno (Vistula River Delta), *Limnological Review*, 2: 417-424.
- Fedorowicz S., Tylmann W., Dobrowolski R., Turczyński M., 2002. Application of Cs-137 for the determination of the contemporary sedimentation rate in lakes Okunin and Czerepacha in the Volhynia Polesie (NW Ukraine). *Limnological Review*, 2: 103-109.