

List of Publications

Dr. rer. nat. Marlene Pätzig

Journal articles (peer reviewed)

- PÄTZIG**, M., DÜKER, E. (2021): Dynamic of Dominant Plant Communities in Kettle Holes (Northeast Germany) during a Five-Year Period of Extreme Weather Conditions. *Water* 13(5), 688.
- PÄTZIG**, M., GEIGER, F., RASCHE, D., RAUNEKER, P., ELTNER, A. (2020): Allometric relationships for selected macrophytes of kettle holes in northeast Germany as a basis for efficient biomass estimation using unmanned aerial systems (UAS). *Aquatic Botany* 162, Article 103202.
- PÄTZIG**, M., KALETTKA, T., ONANDIA, G., BALLA, D., LISCHIED, G. (2020): How much information do we gain from multiple-year sampling in natural pond research? *Limnologia* 80, Article 125728.
- SCHÖPKE, B., HEINZE, J., **PÄTZIG**, M., HEINKEN, T. (2019): Do dispersal traits of wetland plant species explain tolerance against isolation effects in naturally fragmented habitats? *Plant Ecology* 220, 9, 801-815.
- PÄTZIG**, M., VADEBONCOEUR, Y. & M. BRAUNS (2018): Lakeshore modification reduces secondary production of macroinvertebrates in littoral but not deeper zones. *Freshwater Science* 37(4): 845-856.
- LISCHIED, G., KALETTKA, T., HOLLÄNDER, M., STEIDL J., MERZ, C., DANNOWSKI, R., HOHENBRINK, T., LEHR, C., ONANDIA, G., REVEREY, F. & M. **PÄTZIG** (2018): Natural ponds in an agricultural landscape: External drivers, internal processes, and the role of the terrestrial-aquatic interface. *Limnologia* 68: 5-16.
- SERRANO, L., REINA, M., QUINTANA, X. D., ROMO, S., OLMO, C., SORIA, J. M., BLANCO, S., FERNÁNDEZ-ALÁEZ, C., FERNÁNDEZ-ALÁEZ, M., CARIA, M. C., BAGELLA, S., KALETTKA, T. & M. **PÄTZIG** (2017): A new tool for the assessment of severe anthropogenic eutrophication in small shallow water bodies. *Ecological Indicators* 76: 324-334.
- KALINKAT, G., CABRAL, J.S., DARWALL, W., FICETOLA, G.F., FISHER, J.L., GILING, D.P., GOSSELIN, M-P., GROSSART, H-P., JÄHNIG, S.C., JESCHKE, J.M., KNOPF, K., LARSEN, S., ONANDIA, G., **PÄTZIG**, M., SAUL, W-C., SINGER, G., SPERFELD, E. & I. JARIĆ (2017): Flagship umbrella species needed for the conservation of overlooked aquatic biodiversity. *Conservation Biology* 31: 481-485.
- MÄHRLEIN, M., **PÄTZIG**, M., BRAUNS, M. & A. M. DOLMAN (2016): Length–mass relationships for lake macroinvertebrates corrected for backtransformation and preservation effects. *Hydrobiologia* 768: 37-50.
- PÄTZIG**, M., GRÜNEBERG, G. & M. BRAUNS (2015): Water depth but not season mediates the effects of human lakeshore modification on littoral macroinvertebrates in a large lowland lake. *Fundamental and Applied Limnology* 186/4: 311-321.
- SACHSE, R., PETZOLD, T., BLUMSTOCK, M., MOREIRA, S., **PÄTZIG**, M., RÜCKER, J., JANSE, J. H., MOOIJ, W. M. & S. HILT (2014): Extending one-dimensional models for deep lakes to simulate the impact of submerged macrophytes on water quality. *Environmental Modelling & Software* 61: 410-423.

PÄTZIG, M., KALETTKA, T., GLEMNITZ, M. & BERGER, G. (2012): What governs macrophyte species richness in kettle hole types? A case study from Northeast Germany. *Limnologica* 42 (4): 340-354.

Journal articles (other)

JÄHNIG, S. C., ADRIAN, R., ARLINGHAUS, R., BECKS, L., BEHRMANN-GODEL, J., BERENDONK, T., BORCHARDT, D., DUTZ, J., FREYHOF, J., GAEDKE, U., GEIST, J., GESSNER, M., GROBART, H.-P., HAA-SE, P., HAHN, H. J., HERING, D., HÖLKER, F., JE-SCHKE, J., JÜRGENS, K., KREMP, A., KUBE, S., LAB-RENTZ, M., LEESE, F., **PÄTZIG**, M., PAULS, S., PI-ONTEK, J., PUSCH, M., SCHÄFER, R. B., SCHNEIDER, J., SOMMERWERK, N., STÖCK, M., STRAILE, D., SUHLING, F., WAGNER, A., WEITERE, M., WEIT-HOFF, G., WINKELMANN, C., WORISCHKA, S. (2019): *Lebendiges Wasser: Forschungsagenda zur biologischen Vielfalt der Binnen- und Küstengewässer*. Leibniz-Institut für Gewässerökologie und Binnenfischerei, Berlin.

Book chapters

JONIAK, T., KUCZYNSKA-KIPPEN, N., **PÄTZIG**, M., KALETTKA, T. (2016): State of buffer strips of wetlands as the expression of human impact in agricultural landscape. In book: *Wetland-Science and Society: Knowledge transfer, conservation conflicts and restoration management*, Edition: I, Publisher: Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB), Editors: Dominik Zak, Jörg Gelbrecht, Caroline Scholz, Tobias Goldhammer, Alvaro Cabezas.

Conference Proceedings

GEIGER, F., **PÄTZIG**, M., KALETTKA, T. (2018): Vergleich von drei indirekten Methoden zur Biomassenschätzung von Makrophyten in Söllen (kleine Standgewässer). Jahrestagung der Deutschen Gesellschaft für Limnologie e.V. 2017.

PÄTZIG, M. (2018): Seeuferverbau verändert die Struktur und die Sekundärproduktion der litoralen Makroinvertebraten. Jahrestagung der Deutschen Gesellschaft für Limnologie e.V. 2017.

PÄTZIG, M., GRÜNEBERG, B., BRAUNS, M. (2012): The influence of reduced habitat heterogeneity of human modified lakeshores on littoral macroinvertebrate diversity. Jahrestagung der Deutschen Gesellschaft für Limnologie e.V. 2011.