

Publications (State 2024)

Dating Methods

- Schellmann, G., **Schielein, P.**, Burow, Chr. & Radtke, U. (2020): Accuracy of ESR Dating of small gastropods from loess and fluvial deposits in the Bavarian Alpine Foreland. *Quaternary International*, 556, 198-215, <https://doi.org/10.1016/j.quaint.2019.07.026>
- **Schielein, P.**, Burow, Chr., Pajon, J., Consiegra, R.R., Zhao, J. & Schellmann, G. (2019): ESR and U/Th dating results for Last Interglacial coral reef terraces at the northern coast of Cuba. *Quaternary International*, 556, 216-229, <https://doi.org/10.1016/j.quaint.2019.11.041>

Fluvial and Coastal Geomorphology

- Schellmann, G., **Schielein, P.**, Rähle, W. & Burow, Ch. (2019): The formation of Middle and Upper Pleistocene terraces (*Übergangsterrassen* and *Hochterrassen*) in the Bavarian Alpine Foreland - new numeric dating results (ESR, OSL, ¹⁴C) and gastropod fauna analysis. *E&G Quaternary Science Journal*, 68, 141-164, <https://doi.org/10.5194/egqsj-68-141-2019>
- **Schielein, P.**, Schellmann, G., Lomax, J., Preusser, F. & Fiebig, M. (2015): Chronostratigraphy of the Hochterrassen in the lower Lech valley [Northern Alpine Foreland]. *E&G Quaternary Science Journal*, 64, 15-8, <https://doi.org/10.3285/eg.64.1.02>
- **Schielein, P.** & Lomax, J. (2013): The effect of fluvial environments on sediment bleaching and Holocene luminescence ages - A case study from the German Alpine Foreland. *Geochronometria*, 40 (4), 283-293, <https://doi.org/10.2478/s13386-013-0120-y>
- Schellmann, G., Gesslein, B. & **Schielein, P.** (2012): Neue Befunde zur Würmlöß-Stratigraphie in der Kiesgrube Gewanne I (Augsburger Hochterrasse). - In: GREGOR, H.-J. (Hrsg.): Die Eiszeit in Bobingen. Neue Befunde und Ergebnisse aus Kiesgruben der Fa. LAUTER (Landkreis Augsburg, Bayern), *Documenta naturae*, 191, 35-36, ISBN: 978-3-86544-191-1, [Documenta naturae](https://doi.org/10.3285/eg.64.1.02), 191
- **Schielein, P.** (2012): Jungquartäre Flussgeschichte des Lechs unterhalb von Augsburg und der angrenzenden Donau. *Bamberger Geogr. Schr.*, SF 9, <https://doi.org/10.20378/irb-572>
- **Schielein, P.**, SCHELLMANN, G. & LOMAX, J. (2011): Stratigraphy of Late Quaternary fluvial terraces at the confluence of Lech and Danube valleys. *E&G Quaternary Science Journal*, Vol. 60 (4), 414-424, <https://doi.org/10.3285/eg.60.4.02>
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- **Schielein, P.**, Zschau, J., Woith, H. & Schellmann, G. (2007): Tsunamigefährdung im Mittelmeer - Eine Analyse geomorphologischer und historischer Zeugnisse. *Bamberger Geogr. Schr.*, 22, 153-199.

Geoarchaeology, Paleoenvironment Reconstruction and Soil Science

- Leceta, F.; Binder, C.; Mader, C.; Mächtle, B.; Marsh, E.; Dietrich, L.; Reindel, M.; Eitel, B.; **Meister, J.** (2024): The impact of agriculture on tropical mountain soils in the western Peruvian Andes: a pedo-geoarchaeological study of terrace agricultural systems in the Laramate region (14.5°S). *SOIL*, 10, 727–761, <https://doi.org/10.5194/soil-10-727-2024>
- Garbe, P.; El-Raouf, A.; Es-Senussi, A.; Lange-Athinodorou, E.; **Meister, J.** (2024): Lost and potentially found: The location of the 'Temple of Hermes' at ancient Bubastis in the Nile Delta (Egypt), *E&G Quaternary Science Journal*, 73(1), 95-99, <https://doi.org/10.5194/egqsj-73-95-2024>
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- Garbe, P., El-Raouf, A. A., Es-Senussi, A., Lange-Athinodorou, E., & **Meister, J.** (2024): Holocene landscape reconstruction in the surroundings of the Temple of Pepi I at ancient Bubastis, southeastern Nile Delta (Egypt), *Geoarchaeology*, 39, 17–34, <https://doi.org/10.1002/gea.21981>
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Quaternary Geology

- Schellmann, G., **Schielein, P.**, Burow, Ch. & Radtke, U. (2020): Accuracy of ESR Dating of small gastropods from loess and fluvial deposits in the Bavarian Alpine Foreland. *Quaternary International*, 556, 198-215, doi.org/10.1016/j.quaint.2019.07.026
- **Schielein, P.**, Burow, Chr., Pajon, J., Consiegra, R.R., Zhao, J. & Schellmann, G. (2019): ESR and U/Th dating results for Last Interglacial coral reef terraces at the northern coast of Cuba. *Quaternary International*, 556, 216-229, doi.org/10.1016/j.quaint.2019.11.041

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Remote Sensing

- Ullmann, T.; Möller, E.; Baumhauer, B.; Lange-Athinodorou, E.; **Meister, J.** (2022): A new Google Earth Engine tool for spaceborne detection of buried palaeogeographical features – examples from the Nile Delta (Egypt). *E&G Quaternary Science Journal*, 71, 243–247, <https://doi.org/10.5194/egqsj-71-243-2022>
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