

## Publications - Dominik Faust

### 2019

Trigui, Y., Wolf, D., Sahakyan, L., Hovakimyan, H., Sahakyan, K., Zech, R., Fuchs, M., Wolpert, T., Zech, M., **Faust, D.** (2019): First calibration and application of leaf wax n-alkane biomarkers in loess-paleosol sequences and modern plants and soils in Armenia. *Geosciences (Switzerland)*, 9 (6), art. no. 263.

Wolf, D., Ryborz, K., Kolb, T., Calvo, R., Sánchez, J., R., Zöller, L., **Faust, D.** (2019): Origins and genesis of loess deposits in central Spain, as indicated by heavy mineral compositions and grain-size variability. *Sedimentology* 66(3): 1139-1161.

Richter, C., Roettig, C-B., Wolf, D., Groh, K., Kolb, T., **Faust, D.** (2019): Changes in Pleistocene gastropod faunas on Fuerteventura (Canary Islands) and implications on shifting palaeoenvironmental conditions. *Quaternary Science Reviews* 209, 63-81.

Yanes, Y., Wolf, D., **Faust, D.** (2019): Paleoenvironmental reconstruction and sedimentary processes in Drylands. *Quaternary Research* 91, Preface.

Roettig, C-B., Varga, G., Sauer, D., Kolb, T., Wolf, D., Makowsky, V., Recio Espejo, J.M., Zöller, L., **Faust, D.** (2019): Characteristics, nature and formation of palaeosurfaces within dunes on Fuerteventura. *Quaternary Research* 91, 4-23.

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Wolf, D., Kolb, T., Alcaraz-Castaño, M., Heinrich, S., Baumgart, P., Calvo, R., Sánchez, J., Ryborz, K., Schäfer, I., Bliedtner, M., Zech, R., Zöller, L., **Faust, D.** (2018): Climate deteriorations and Neanderthal demise in interior Iberia. *Scientific Reports* 8:7048.

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Struck, J., Roettig, C.-B., **Faust, D.**, Zech, R. (2018): Leaf waxes from aeolianite–paleosol sequences on Fuerteventura and their potential for paleoenvironmental and climate reconstructions in the arid subtropics. *E&G Quaternary Science Journal* 66: 109–114.

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von Suchodoletz, H., **Faust D.** (2018): Late Quaternary fluvial dynamics and landscape evolution at the lower Shulaveris Ghele River (southern Caucasus). *Quaternary Research* 89(1): 254-269.

**Faust, D.**, Zöller, L., Suchodoletz H. von (2018). Comment on: “Palaeoclimatic considerations of talus flatirons and aeolian deposits in Northern Fuerteventura volcanic island (Canary Islands, Spain)” by Gutiérrez-Elorza M, Lucha P, Gracia F-J, Desir G, Marin C, Petit-Maire N. (2011). *Geomorphology* 301: 139-140.

Eltner, A., Maas, H.-G., **Faust, D.** (2018): Soil micro-topography change detection at hillslopes in fragile Mediterranean landscapes. *Geoderma* 313: 217-232.

Meszner, S., **Faust, D.** (2018): Paläoböden in den Lössgebieten Ostdeutschlands. In *Handbuch der Bodenkunde* (eds H. Blume, K. Stahr, W. Fischer, G. Guggenberger, R. Horn, H. Frede and P. Felix-Henningsen).

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Schaetzl, R.J., Bettis, E.A., Crouvi, O., Fitzsimmons, K.E., Grimley, D.A., Hambach, U., Lehmkuhl, F., Marković, S.B., Mason, J.A., Owczarek, P., Roberts, H.M., Rousseau, D.-D., Stevens, T., Vandenberghe, J., Zárata, M., Veres, D., Yang, S., Zech, M., Conroy, J.L., Dave, A.K., **Faust, D.**, Hao, Q., Obrecht, I., Prud'Homme, C., Smalley, I., Tripaldi, A., Zeeden, C., Zech, R. (2018): Approaches and challenges to the study of loess - Introduction to the LoessFest Special Issue. *Quaternary Research (United States)*, 89 (3), pp. 563-618.

## 2017

Baumgart, P., Eltner, A., Domula, A., Barkleit, A., **Faust, D.** (2017): Scale dependent soil erosion dynamics in a fragile loess landscape. *Zeitschrift für Geomorphologie* 61(3): 191-206.

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