

Applicant Name: Dr. Aditi Krishna Dave

LIST OF PUBLICATIONS

Doctoral Dissertation

Understanding Quaternary aeolian landscape-climate interaction in the piedmonts of Central Asia using luminescence and electron spin resonance techniques. Johannes Gutenberg-Universität Mainz. <http://doi.org/10.25358/openscience-6387>

List of peer-reviewed publications

1. 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., Zarate, 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. *Quaternary Research* (89), 563-618.
2. **Dave, A.K.**, Courty, M.A., Fitzsimmons, K.E., Singhvi, A.K. **2019**. Revisiting the contemporaneity of a mighty river and the Harappans: Archaeological, stratigraphic and chronometric constraints. *Quaternary Geochronology* 49, 230-235.
3. Fitzsimmons, K.E., Nowatski, M., **Dave, A.K.**, Harder, H. **2020**. Intersections between wind regimes, topography and sediment supply: Perspectives from aeolian landforms in Central Asia. *Palaeogeography, Palaeoclimatology, Palaeoecology* 540, 109-531.
4. Fitzsimmons, K.E.; Perić, Z.; Nowatzki, M.; Lindauer, S.; Vinneband, M.; Prud'homme, C.; **Dave, A.K.**; Vött, A.; Fischer, P. **2022**. Luminescence Sensitivity of Rhine Valley Loess: Indicators of Source Variability? *Quaternary* 5 (1).
5. **Dave, A. K.**, Timar-Gabor, A., Scardia, G., Safaraliev, N., Fitzsimmons, K. E. **2022**. Variation in Luminescence Characteristics and Paramagnetic Defect Centres in Fine-Grained Quartz from a Loess-Palaeosol Sequence in Tajikistan: Implications for Provenance Studies in Aeolian Environments. *Frontiers in Earth Science*. 10:835281. doi: 10.3389/feart.2022.835281
6. **Dave, A. K.**, Timar-Gabor, A., Kabacińska, Z., Scardia, G., Safaraliev, N., Nigmatova, S., Fitzsimmons, K. E. **2022**. A novel proxy for tracking the provenance of dust based on paired E1'-peroxy paramagnetic defect centers in fine-grained quartz. *Geophysical Research Letters*, 49, e2021GL095007. <https://doi.org/10.1029/2021GL095007>.
7. Frouin, M., Douka, K., **Dave, A.K.**, Schwenninger, J-L., Mercier, N., Murray, A.S., Santaniello, F., Boschian, G., Grimaldi, S., Higham, T. **2022**. A refined chronology for the Middle and the early Upper Palaeolithic at Riparo Mochi (Liguria, Italy). *Journal of Human Evolution* (169), 103211. <https://doi.org/10.1016/j.jhevol.2022.103211>

8. Li, Y., Song, Y., Fitzsimmons, K.E., **Dave, A.K.**, Liu, Y., Zong, X., Sun, H., Liu, H., Orozbaev, R. **2022**. Investigating potential links between fine-grained components in loess and westerly air-flow: evidence from East and Central Asia. *Frontiers in Earth Science* 10:901629. <https://doi.org/10.3389/feart.2022.901629>
9. **Dave, A. K.**, Lisa, L., Scardia, G., Nigmatova, S., and Fitzsimmons, K. E. **2023**. The patchwork loess of Central Asia: Implications for interpreting aeolian dynamics and past climate circulation in piedmont regions. *Journal of Quaternary Science* 38 (4), 526-524. <https://doi.org/10.1002/jqs.3493>

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Signature: