

Complete list of publications

Publications in referred journals

- **Singh, A.**, Thomsen, K. J., Sinha, R., Buylaert, J-P., Carter, A., Mark, D. F., Mason, P. J., Densmore, A. L., Murray, A. S., Jain, M., Paul, D., and Gupta, S. Counter-intuitive influence of Himalayan river morphodynamics on Indus Civilisation urban settlements. Under revision in *Nature Communications*.
- van Dijk, W. M., Densmore, A. L., Sinha, R., **Singh, A.**, and Voller, V. R. (2016). Reduced-complexity probabilistic reconstruction of alluvial aquifer stratigraphy, and application to sedimentary fans in northwestern India. *Journal of Hydrology*, 541, 1241–1257.
- **Singh, A.**, Paul, D., Sinha, R., Thomsen, K. J., and Gupta, S. (2016). Reply to the comment on “Geochemistry of buried river sediments from Ghaggar Plains, NW India: Multi-proxy records of variations in provenance, paleoclimate, and paleovegetation patterns in the Late Quaternary” by Singh et al. (2016), *Palaeogeography, Palaeoclimatology, Palaeoecology* 449 (2016) 85–100”. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 455, 68–70.
- **Singh, A.**, Paul, D., Sinha, R., Gupta, S., and Thomsen, K. J. (2016). Geochemistry of buried-river sediments from Ghaggar plains, NW India: multi-proxy records of variations in provenance, paleoclimate, and paleovegetation patterns in the Late Quaternary. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 449, 85–100.
- van Dijk, W. M., Densmore, A. L., **Singh, A.**, Gupta, S., Sinha, R., Mason, P. J., Joshi, S. K., Nayak, N., Kumar, M., Shekhar, S., Kumar, D., Rai, S. P. (2016). Linking the morphology of fluvial fan systems to aquifer stratigraphy in the Sutlej-Yamuna plain of northwest India. *Journal of Geophysical Research, Earth Surface*. 121, 201–222.
- Thakur, V. C., Joshi, M., Sahoo, D., Suresh, N., Jayangondaperumal, R., **Singh, A.** (2014). Partitioning of convergence in Northwest Sub-Himalaya: estimation of late Quaternary uplift and convergence rates across the Kangra reentrant, North India. *International Journal of Earth Sciences*, 103 (4), 1037–1056.
- Sinha, R., Yadav, G. S., Gupta, S., **Singh, A.**, Lahiri, S. K., (2013). Geo-electric resistivity evidence for subsurface palaeochannel systems adjacent to Harappan sites in northwest India. *Quaternary International*, 308–309, 66–75.

Papers presented in Seminars/conferences (Oral)

- **Singh, A.**, Gupta, S., Sinha, R., Densmore, A. L., Buylaert, J-P., Carter, A., van Dijk, W. M., Joshi, S. K., Nayak, N., Mason, P. J., Kumar, D. K., Mondal, M., Murray, A. S., Rai, S. P., and Shekhar, S. (2016). Variable scale channel avulsion history using fan architecture and stratigraphy, and sediment provenance of Sutlej-Yamuna fans in northwest Gangetic plains during Late Quaternary. **European Geosciences Union General Assembly 2016, Vienna, Austria, 17–22 April**. Geophysical Research Abstracts Vol. 18, EGU2016–17423, 2016.
- **Singh, A.**, Gupta, S., Sinha, R., Carter, A., Thomsen, K. J., Mark, D. F., Buylaert, J-P, Mason, P. J., Murray, A. S., Jain, M., and Paul, D. (2015). Large-scale avulsion of the late Quaternary Sutlej river in the NW Indo-Gangetic foreland basin. **European Geosciences Union General Assembly 2015 Vienna, Austria, 12–17 April**. Geophysical Research Abstracts Vol. 17, EGU2015–6661, 2015.
- **Singh, A.**, Sinha, R., Gupta, S., Carter, A., Thomsen, K., Murray, A., Paul, D. (2012). Using U–Pb detrital zircon geochronology for deciphering Himalayan-sourced river deposits close to the Harappan sites in Ghaggar plains, NW India. IGCP–581 3rd annual symposium on Response of Asian Rivers to Climate Change – Past, Present and Future Scenario, 14 – 16 November, 2012, CSIR – National Geophysical Research Institute (NGRI) Uppal Road, Hyderabad. Abstract volume pp– 101.
- **Singh, A.**, Sinha, R., Gupta, S., Carter, A., Paul, D., Mason, P. (2012). Evidences for buried channels of a large river in the ghaggar plains, northwest India. IGCP 582 Annual Meeting and Conference on Tropical rivers: hydro-physical processes, impacts, hazards and management, 5–7 January 2012, Indian Institute of Technology Kanpur, India. Abstract volume pp–53.
- **Singh, A.**, Sinha, R., Gupta, S., Carter, A., Yadav, G.S., Paul, D. (2011): Stratigraphy and sediment provenance of buried channel in Ghaggar plains, NW Rajasthan: Implications for climate control on landform evolution and valley civilization. National Seminar on Modern and Palaeo Sediments: Implication to Climate, Water Resources and Environmental Changes. XXVIII Convention of Indian Association of Sedimentologists, 24–26 November 2011, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, India. Abstract Volume, pp–23.

Papers presented in Seminars/conferences (Poster)

- **Singh, A.**, Gupta, S., Buylaert, J–P., Sinha, R., Densmore, A. L., Nayak, N., Joshi, S. K., van Dijk, W. M., Mondal, S., Kumar, D., Mason, P. J., Thomsen, K. J., Murray, A. S., Kumar, M., Shekhar, S., and Rai, S. P. (2015). Fluvial fan evolution during Late Quaternary climate changes: field and chronological constraints from the Indo–Gangetic basin. **American Geophysical Union Fall Meeting** 14–18 December 2015, San Francisco, CA, USA. Poster presentation (EP41A–0905).
- **Singh, A.**, Thomsen, K., Sinha, R., Gupta, S., Buylaert, J–P., Murray, A., Jain, M. (2013). Stratigraphic response to Late Quaternary monsoonal fluctuations in a buried valley complex in Ghaggar plains, NW India. **Pages Goa 2013, 4th Open science meeting**, The Past: A compass for future earth. 13 – 16 February 2013. Abstract volume pp–114.
- **Singh, A.**, Paul, D., Singh, S. K., Sinha, R. (2013). Geochemistry of buried river sediment in Ghaggar plains, NW India: Inferences on Late Quaternary palaeoclimate. **Pages Goa 2013, 4th Open science meeting**, The Past: A compass for future earth. 13 – 16 February 2013. Abstract volume pp–114.
- **Singh, A.**, Carter, A., Gupta, S., Sinha, R., Murray, A., Mason, P., Buylaert, J–P., Thomsen, K., Jain, M., Paul, D. (2011): U–Pb detrital zircon ages to determine the provenance signature of late Quaternary paleo–channel systems in the western Indo–Gangetic basin, northwest India. Human Societies and Landscape Evolution since the Last Glacial Maximum. **American Geophysical Union Fall Meeting** 5–9 December 2011, San Francisco, CA, USA. Poster presentation (EP31D–0854).