

Candidate for IUGS Nominating Committee

Name: Ashok Kumar Singhvi

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Biography:

Dr. A.K. Singhvi took his Doctorate from the Indian Institute of Technology, Kanpur, India in 1976. Thereafter he established one of the early laboratories for Luminescence dating at the Physical Research Laboratory, Department of Space, Ahmedabad. This laboratory is globally acclaimed for its pioneering work on Deserts and other Quaternary sequences and for assisting/developing new laboratories.

His seminal work on Desert Chronology is amongst three bench mark contribution, the others being Bagnold's work on Physics of Blown Sand and Farouk El Baz's work on Remote Sensing of Deserts. His work provided the basis for *Global Dune Atlas*. He has provided chronology of Deserts (Sahara, Arabia, China, Mexico and US) and, Dust deposits (Central Europe, China and India). He provided new concepts on response times of landforms and on stratigraphic correlations. He has worked across continents with ~150 scientists in ~50 countries) on themes ranging from paleo-seismology, tectonics, glacial landforms, and Karsts, Termites, Pedogenic carbonates, Fulgurite to Meteorites and has provided insights that challenge the conventional wisdoms.

Dr. Singhvi; co-led two UNESCO IGCP's IGCP-349 and 413 on *Desert Margins and Paleomonsoons* and *Past and Future Evolution of Deserts*; served on Science Program Committee of *UN Year of Planet Earth* and the Executive Committee of IGBP-Past Global Changes. He served on Editorial Boards of seven international journals including the *Episodes*.

He served as the *Vice President* of *Indian National Science Academy* and *International Quaternary Union* and on *Program Evaluation Panel of IODP*. As Chair, Indian Committee for IUGS and INQUA he was key to Indian adherence to INQUA, upgradation of Indian adherence to IUGS and successful Indian bids for IGC 2020 and INQUA 2027.

As Chair of Geosciences programs in India he developed new geosciences initiatives including the *National Centre for Geochronometry* and National programs on *Indian lithosphere to Deserts* and *geological records of Tsunamis, Geobiology, high PT facility*.

He has authored/edited books/monographs e.g. *Ethics in Science Education, Research and Governance, Meteorite Luminescence, Thar Desert, Luminescence Applications to Social Responsibility of Academia*. He has published ~220 papers, with a Google H- index of 60 and 10270 citations.

He is variously honored with Fellowship of *Indian Science Academies*, the *Third world Academy of Sciences* and *Geological Society of London*; Ford Foundation (USA), Leverhulme (UK) and A v Humboldt and DFG Fellowships (Germany) and, National Awards for Excellence in Earth Sciences, Geological Society of America's award for Desert Sciences and many others.