

Curriculum Vitae Ashok Kumar Singhvi

Address	Outstanding Scientist Geosciences Division Physical Research Laboratory Navarangpura, Ahmedabad 380009	Fax	+91-79-26314863 +91-79-26314900
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Date of Birth		Marital Status	Married, 2 Children
Parentage	Father: Dr. Achal Mal Singhvi;	Mother:	Uma Devi Singhvi

Graduate education

1965-1968: B.Sc. in Science with Physics, Chemistry and Mathematics, University of Jodhpur, Jodhpur. Stood 3rd in the Merit List of the University and was awarded Merit Scholarship.

Post Graduate education

1968-1970, M.Sc. in Physics, University of Jodhpur, Jodhpur. Stood 3rd in the Merit list of the University.

Doctoral research

1970-76: Ph.D. in Physics, Department of Physics, Indian Institute of Technology, Kanpur.

Title: *Hyperfine Interaction Studies using Perturbed Angular Correlations and Moessbauer Effect Techniques*

Advisor: Professors G. Nageswara Rao

Present and past employment

1976-2008, Served at **Physical Research Laboratory**, Ahmedabad as Visiting Scientist, Research Associate, Fellow, Associate Professor, Professor, Senior Professor.

2008-todate Outstanding Scientist at Physical Research Laboratory

2007-2010 Dean **Physical Research Laboratory**, Ahmedabad

Fellowships of Academies and Unions

Fellow	The Third World Academy of Sciences
Fellow	The Indian National Science Academy
Fellow	The Indian Academy of Sciences
Fellow	The National Academy of Science
Fellow	The Gujarat Science Academy
Fellow	The Indian Geophysical Union
Fellow	The Geological Society of India
Fellow	The Luminescence Society of India
Fellow	The Geological Society of London (Lifetime Honorary Fellow; second Indian to be so honoured)

Memberships (selected list)

International fora

Member	Scientific Steering Committee, IGBP-Global Change-PAGES Core Project
Advisor	UNESCO sponsored Cultural Triangle Training Programme, Sri Lanka.
Member	Executive Committee , IGBP-Global Change –PAGES –SSC 2000-2005
Member	Science Program Committee UNESCO/ICSU –Int. year of the Earth Programme
Member	Science Program. Comm. Of INQUA (2011) IGBP –PAGES- Open Science Meeting (2005 & 2013)
Member	International Ocean Drilling Program –Programme Evaluation Panel (Indian representative) 2010+

National fora

Member*	Science and Engineering Research Council , Dept. Science and Tech., Govt. of India
Member	Council, Indian National Science Academy 2006-08
Chairman	Indian National Committee for INSA- IUGS- SCL-INQUA 2003 - 2011
Chairman*	Department of Science and Technology, Fast Track Young Scientists Research Projects Awards Comm. for Earth Sciences 2003-06
Member*	Committee on Fund for improvement of Science and Technology infrastructure in universities and other higher educational institutions. Department of Science and Tech., Govt. of India.
Member	Program Advisory Committee, Earth Sciences , Dept. Science and Technology, India
Member	Advisory Board, National Law University, Jodhpur.
Chairman	Planning Commission Committee on Geosciences 12th Plan Projection of Ministry of Earth Sciences
Member	Science Advisory Council, Archaeological Survey of India, 2011-
Chairman	Research Advisory Council, Wadia Institute of Himalayan Geology, Dehradun 2011 onwards
Member	Research Advisory Council, Birbal Sahni Institute of Paleobotany 2011-onwards
Member	Geo-science Advisory Council, Ministry of Mines, Govt of India, 2011-onwards

Awards and Honours

1968-70	University Merit Scholarship , Jodhpur University
1988	Krishnan Gold-Medal , Indian Geophysical Union For outstanding contributions in Earth Sciences by a scientist below 40 years.
1998	Best Poster Award International Geosphere-Biosphere Programme, Open Science Congress, UK.
2004	National Mineral Award - 2003 by the Ministry of Steel and Mines , Govt. of India For overall contributions to Earth Sciences
2004	Geological Society of America - Farouk El-Baz award for Outstanding contributions to Desert Research
2004	Roll of Honour for basic contribution to Earth Sciences , RD University, Jhansi DECENNIAL AWARD -2006 , Indian Geophysical Union for establishing a new Geophysical method in the country
2006	K. Naha Medal (tri annual) of Indian National Science Academy , For outstanding contribution to the Indian Earth Sciences.
2007	Most Cited Paper Certificate 2004-2007 , from the Journal, Paleo-3, Elsevier.
2009	Goyal Prize-2006 Kurukshetra University
2011	JC Bose National Fellowship , Department of Science and Technology, 2012-2017
2012	S.M. Khaitan Gold Medal for important contributions to Science, Asiatic Society, India.

Visiting Assignments Overseas

1977	Ford Foundation fellowship - Oxford University, UK and St. Louis University, St. Louis
1984-86	Alexander von Humboldt Fellowship - Max Planck Inst. for Kern Physics, Heidelberg
1996	DFG, Germany Visiting Professorship - Inst. for Appl. Phys, Tech. Univ., Frieberg.
1999	Leverhulme Trust Professorship - Sheffield University, UK
2001	Visiting Professor - Sao Paulo Academy of Sciences, Sao Paulo, Brazil.
2003	USGS Visiting Scientist - Denver Colorado
2006	Visiting Professor - Heidelberg University
2009	Visiting Professor – Curukova University, Turkey

This is in addition to visits to institutions in ~40 **countries** for discussions / interactions / lectures.

Leadership in Scientific Programmes

1. Co-leader **UNESCO-International Geological Correlation Programme IGCP -349** on Paleomonsoons from Desert Margins, with An Zhisheng and Edward Derbyshire
2. Convenor **UNESCO International Geological Correlation Programme IGCP -349, National Working Group**, on Paleomonsoons from Desert Margins
3. Member **INQUA Loess Commission**, International Quaternary Union and **Leader**, Sub-Commission on Chronology and New Technology
4. Co-leader **UNESCO-International Geological Correlation Programme IGCP -349** on Understanding Future Dryland Changes from Past Dynamics
5. Convenor **UNESCO- IGCP-413**, National Working Group on understanding future dryland changes from past dynamics
6. Leader **Indian delegation to IUGS International Geological Congress**, Florence, Italy 2004
7. Co-leader **INQUA sub-commission on Dryland dating: 2004-07:** Testing the validity and intercalibration of numerical chronometric techniques for developing quantitative chronostratigraphies in arid and semi-arid environments with Lewis Owen and others
8. Leader **Indian Delegation International Quaternary Union**, Carins, Australia, 2007
9. Leader **Indian Delegation to IUGS International Geological Congress**, Oslo, July, 2008
10. Coordinator National Programme on the **Geological Records of Tsunamis, Ministry of Earth Sciences/Indian National Centre for Ocean Information Services**, 2008-2010.
11. Leader Indian Delegation, International Ocean Drilling Programm's SPC and PMO meeting, San Diego, Aug-29-Sept. 2, 2010.

Conference Organization

1. 1984 National Seminar on the Theory and Application of Thermally Stimulated Luminescence
2. 1992 International Conference on the Evolution of Deserts, February, 1992 (~ 30 countries)
3. 2009 Second Asia Pacific Seminar on Luminescence and Electron Spin Resonance Dating (~ 17 countries)
4. 2012 International Workshop on Desert Dune Systems- Past Dynamics and Chronology,(~ 7countries)
5. 2013 IGBP – PAGES Open Science Meeting in Goa, Feb 2013

In addition, as the leader of IGCP 349 and 413; member of IGBP-PAGES I organized numerous international workshops on annual basis.

Research Supervision

1. **Ph. D, 13** including 3 to complete during 2011-12
2. M. Tech (Earth Sciences) ,1
3. Postdoctoral fellows- 6 in Physics, 6 in Earth Sciences (2 year term each)
4. University faculty – Physics -5, Earth Sciences-7
5. Visitors – Numerous, for short term visits for training and discussion from India (3-4 per year) and overseas (1-2 per year).
6. Helped establishment of 9 laboratories in India and 4 overseas. This included training of manpower, identification of systems and infrastructural elements.

Editorial Responsibilities

1. Associate Editor, **Quaternary Research**, Academic/Elsevier Press, USA
2. Member, Editorial Advisory Panel, **Quaternary Science Review**, Elsevier, The Netherlands
3. Member, Editorial Advisory Panel, **The Holocene**, John Matthews and Hodder Arnold, UK
4. Member, Editorial advisory panel, **Journal of Quaternary Science**, Blackwells, UK.
5. Member, Editorial Review Panel **Ancient TL** University of Aberystwyth, Wales, UK
6. Member, Editorial Board, **Open Geology Journal**, Bentham Publications
7. Member, Editorial Board, **Current Science**, Indian Academy of Science

8. Member, Founding Editorial Board **J. Earth Environment**, Chinese Academy of Sciences.
9. Member, Founding Editorial Board **Int. J. Land Processes and Arid Environment**, Science Academy Publ.

Regular Reviewer for, Journal of Geophysical Research, Boreas, Bulletin Geological Society of America, JGR, Geophysical Research letters, Quaternary Geochronology, Geomorphology, J. Asian Earth Sciences, besides the above journals. On an average I review about 3 manuscripts a month

Guest Editor / co- Editor of several International and Indian Journals for Conference Proceedings

Grants

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| 1. 1978 | Ford Foundation for establishing Thermoluminescence(TL) laboratory | \$10,000. |
| 2. 1987 | Ford Foundation for enhancing the capacity of TL lab | \$47,000 |
| 3. 1996 | Dept. of Science and Technology, India On Evolution of Thar Desert | \$300,000 |
| 4. 2000 | Plan Institutional allocation Single grain TL reader | \$100,000 |
| 5. 2004 | Plan Institutional allocation TL-OSL readers and other items | \$150,000 |
- These are in addition to institutional allocation for staff (5 persons) and about 50,000 US \$ annually for consumables and local equipment

Major National Programs that I have helped build up, prepared vision statements and defended

6. 2008 Coordinator: National Program on Paleoclimate \$2Mn (estimated)
7. 2008 Coordinator : National Program on Geological records of Tsunami in India \$ 0.3Mn

Invited Talks (selected list)

Numerous invited lectures and national and international conferences, some listed below,

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| 2003 | Plenary Lecture at the Congress of the International Quaternary Union (INQUA), Reno, USA |
| 2003 | Geological Society of America, Annual meeting- Award Lecture |
| 2005 | Plenary Lecture, Open Science Meeting, IGBP-PAGES, Beijing |
| 2007 | K. Naha Award Lecture, Indian National Science Academy, Annual Meeting, Goa |
| 2007 | Wadia Institute of Himalayan Geology, Foundation Day Lecture |
| 2009 | Annual Lecture, Paleontological Society of India, Lucknow |
| 2009 | Special Lecture, Indian Academy of Sciences |
| 2010 | Invited Keynote talk at the Biannual meeting of the International meeting on Fluvial Archives, Via Vielha de Rodao, Portugal Sept. 5-11, 2010 |
| 2010 | Invited Keynote Talk at the 16th Solid state Dosimetry Conference in Sydney, Sept.19-24, 2010. |
| 2010 | Invited talk at workshop of Leibniz Pakt project Leibniz Institute of Appl. Geophysics, Hannover. |

Publications

175+ research papers in peer reviewed journals;

Edited and authored several special issues (13) of international journals;

h-index =23 , Citations-Scopus ~ 1800+