

**Arun D Ahluwalia, PhD, F.G.S. PROFESSOR**, Centre of Advanced Studies in Geology, Panjab University, Chandigarh 160014, India

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**Sabbatical address: Visiting Scholar, Geology Dept, University of Cincinnati, Ohio;**

**Member, US National Committee on INTERNATIONAL YEAR OF PLANET EARTH (UNO PROGRAMME THROUGH IUGS); Member, OUTREACH PROGRAMME COMMITTEE (Earth Science for Society)**

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## **Biosketch**



Arun D Ahluwalia a keen geosciences activist as Fellow of Geological Society of India, has recently been made a Member, US NC on IYPE and a Member of OUTREACH PROGRAMME COMMITTEE of ESFS a mission of UNO celebrating International Year of Planet Earth Triennium 2007-2009 across the world( [www.esfs.org](http://www.esfs.org) ). He spent a decade in Geological Survey of India till 1982 before coming to teaching. His research work covers Ladakh, Himachal Himalaya and Uttarkhand, deals with evolution of this youngest and loftiest mountain chain on the planet whose slopes and valleys store excitements of Earth's history of last 2000 million years. He works on Lesser as well as Higher Himalayan landscapes and sedimentary sequences.

He has been awakening interest in geosciences, geoheritage, geodiversity of the Indian subcontinent with Himalayan focus in particular and entire planet in general as a part of missions of Geological Society of India, International Union of Geological Sciences (IUGS).

Interested in Phanerozoic stratigraphy and Quaternary-Holocene Higher Himalayan palaeolake profiles, Arun Ahluwalia is a keen activist in society-science interface and takes time out from his research activities to talk to school students and teachers and other mixed academic/social groups irrespective of their age groups or literacy levels through his colorful interactive power points and or guided excursions. No prisoner of any technical jargon he is driven by his passion for sharing and caring insights and grandeur of the Mother Earth.

Of late he has been assisting Indian NGOs in community awareness on landslide mitigation in NE Himalaya

## IMPORTANT LECTURES DELIVERED

**As an activist under IYPE-IUGS Programme widespread grassroots community interaction to numerous school teachers and students on Earth History, Hazard Mitigation, Himalayan scientific and scenic grandeur, delivered following important talks:**

- Geological History and Landscapes of NW Himalayas (4<sup>th</sup> December, 2006) Geosciences Dept, PennState University, STATE COLLEGE, PA, USA (host Erik Kirby)& UC,OHIO(5<sup>th</sup> Jan 2007) (host Thomas Algeo), Wright State University (Dayton,Ohio) 25<sup>th</sup> Jan,2007 (host Abinash Agarwal)
- Invited for talk in IASTS ( International Association for Science and Technology for Society) Meeting, Baltimore (USA) February, 2007.
- In February, 2006, Resource Person Guest Speaker to community-based disaster preparedness programme of NGO **Anugyalaya, a Darjeeling Diocese Social Service Society** dealing with landslides in Nimbong, Pabringta and Angmakhmar Gram Panchayats of West Bengal, NE India.
- March, 2006-Guest Speaker in Geology Dept, Kumaun University, Nainital , India, for lectures in Stratigraphy and popular talk to Longview Public School organised by Kumaun University
- June, 2006: Special Lecture: Experiential Teaching of stratigraphy to university and college teachers at DST Workshop on Diamond Jubilee of ARI, PUNE (DST INSTITUTE),India
- Geoethics Audit: Asian Tsunami: Pribram (Czech) INTERNATIONAL GEOETHICS MEET Oct, 2005( Chaired a session)
- Avalanches, flash floods, quakes, tsunamis in India 2020: Management capacity: Invited talk in **India Vision 2020 Workshop** University Business School, Panjab University, Chandigarh February, 2005;
- Himachal Himalayas: Palaeoproterozoic to Holocene (Special lecture Geology Dept., Lund University, Sweden, March 2003)
- Australia's geological history with special reference to Great barrier reef (Special Lecture, Indian Science Congress, Jan 2003, Bangalore);
- Aspects of Holocene sediment deformations in Spiti and Satluj Valleys (Special Invited Lecture, 13<sup>th</sup> Jan, 2003 at Geological Society of India, Bangalore)
- July 26: Dr Arun D. Ahluwalia , ANU, Canberra, Australia( 2002) Panjab University, India  
[A humanised perspective of earth's enigmatic history: The quest for newer anthropological sites in the Himalayas http://car.anu.edu.au/](http://car.anu.edu.au/)
- Earth's Enigmatic history: Yuva Vigyanic Protsahan Yojana of DST Organised by Physics Dept., Panjab University, Chandigarh (July 2nd, 2002);
- **UK (November, December, 1996)** Himalayan Stratigraphy Update at Wales University College, Aberystwyth( host Dr Denis Bates); b)The Lesser Himalayan and Tethyan Basin : A glimpse through camera lens: at Wales University College, Aberystwyth, UK (host President Students' Club & Dr Denis Bates ); c)The Himalayan Stratigraphy Update: A personal glimpse: Geology Dept., Bristol University ( hosts Prof D.E.G. Briggs & Dr M. Benton); d)The Himalayan Stratigraphy controversy: a personal glimpse: Glasgow University, Dept of Geology & Geophysics (hosts Dr G.Curry & Dr Braithwaite),e)The Himalayan geological story of 2500 million years: BGS, Nottingham (host Dr Peter J. Cook Director BGS, Escort Dr Evans); f)Blaini to Tal: major events: Oxford University Dept of Earth Sciences( host Dr Martin Brasier).

- **PAKISTAN (September,1999)** Palaeontological discoveries elucidating geological structures – case histories from Uttar Pradesh and Himachal Pradesh in I.U.G.S. Sponsored I.G.C.P. 421 Meet : ( host Dr Qasim Jan, Peshawar)
- Krol-Tal Controversy: ETH, Zurich (hosts A Gansser & H.M.Bolli) 1984 & IGC, Moscow 1984.

#### **ACADEMIC TV/RADIO/NEWSPAPER GUEST APPEARANCES**

- Guest of the week in BBC Radio Programme of Hindi section; **December, 1996.**
- **Star plus** channel regarding earthquakes January,2001; **Star News** channel on Tibet Flash Floods in SATluj Valley in August , 2004;
- Indian TV **Doordarshan Jullunder** Punjabi Programme 8 pm Vigyan Patrika: Himalayas & Earthquakes; **2006.**
- DDI Saketi Fossil Park; On **Indian TV DD1** interviewed eminent geological celebrity Padma Shri C.P. Vohra (Retd DG,GSI & Everest & Antarctica Hero) during 50 th anniversary of Mount Everest First Climb, Ashok Sahni on Dinosaurs, 2005 and Antarctica Hero Rasik Ravindra, Dy DG,GSI,2006
- **BBC Channel IV** 52 minute TV documentary with John Talent( Sydney), Patricia Woolf( Princeton), Ph Janvier( Paris), J.B. Waterhouse( Brisbane), R.K. Goel ( Roorkee), Gopal Dongol ( Kathmandu) etc September 1990.
- **Star News** interview on Snow fall & climates, March, 2005
- **ZDF Germany TV** 35 minute documentary on **LADAKH QUATERNARY GEOLOGY** Feb,2005 <<http://www.zdf.de/ZDFde/inhalt/18/0,1872,2264658,00.html>>
- Interviewed on **SITI Channel** Chandigarh on TSUNAMI
- Guest articles in 16 Indian Newspapers, 2 E-Magazines 2005-2006 on various topics arousing society interest in Geosciences touching the common man on this planet.

#### **POPULAR GEOSCIENCES WRITER**

Guest articles in 16 Indian Newspapers, 2 E-Magazines 2005-2006 on various topics arousing society interest in Geosciences touching the common man on this planet.

#### **IMPORTANT PUBLICATIONS**

- Discovery of Pre-Tertiary fossils indigenous to the Lesser Himalayan Basin. NATURE (London), v. 230, p. 451-452(1971) (A.M.Patwardhan and A.D.Ahluwalia).
- A note on the origin of Mussoorie Phosphorite in Lower Himalaya, India and its palaeogeographic implications: MINERALIUMDEPOSITA(Berlin), v. 3, p. 379-387 (1973) ( A.M.Patwardhan and A.D.Ahluwalia).
- Geophysical illusions of continental drift, Discussion: AMERICAN ASSOC. PETROL. GEOL. BULL. (Colorado), v. 58, p. 1847-1851(1974) (A.M.PATWARDHAN & A.D.AHLUWALIA).
- A note on the origin of Mussoorie Phosphorite in the Lower Himalaya, India and its palaeogeographic implications: a reply: MINERALIUMDEPOSITA (Berlin), v.4, p.365-368 (1974) (A.M. PATWARDHAN & A.D. AHLUWALIA)
- More evidence in favor of the biochemical origin of the Mussoorie Phosphorite, Kumaun Lower Himalaya, India.: MINERALIUM DEPOSITA (Berlin), v.10, p. 261-265 (1975) (A.M. PATWARDHAN & A.D. AHLUWALIA)

- The Tals Untangled: BULL. IND. GEOL. ASSOC. (PROCEEDINGS FIELD WORKSHOP ON KROL-TAL IN JAN., 1985 at Dehradun, BULL. IND. GEOL. ASSOC., FM 63-FM68.(A.D. Ahluwalia)
- Tabular and tetrahedral petrographic classification of phosphorite: two alternatives: MEMOIR GEOLOGICAL SOCIETY OF India, v. 13, p.61-73. ( A.D.AHLUWALIA & O.N.BHARGAVA)
- Alternative petrographic classifications based on the study of Tethyan Himalayan Phosphorites: 10th I.G.C.P. 156 SEMINAR ON PHOSPHORITE, TUNISIA ( published in IGCP NEWSLETTER, FEB., 1988, FLORIDA) (A.D. AHLUWALIA).
- Tal Formation of Himalaya: a hundred year old stratigraphic riddle nearing solution.: NEWSLETTERS ON STRATIGRAPHY (Stuttgart), v. 21(1), p. 49-58. (1989) (A.D. Ahluwalia & V.J. Gupta)
- Phosphorite genesis- an understanding from Tal Phosphorite of Himalaya (Extended Abstract) INTERNATIONAL GEOLOGICAL CONGRESS, WASHINGTON (1989) (A.D. AHLUWALIA)
- Peripatetic Fossils- 3 Upper Palaeozoic in Lahul-Spiti. NATURE (London), v. 341, p.13-15 (1989) (A.D. AHLUWALIA).
- Integrated tectonostratigraphic analysis of the Himalaya and implications for its tectonic reconstruction (P. M. Myrow, N. C. Hughes, T. S. Paulsen, I. S. Williams, S. K. Parcha, K. R. Thompson, S. A. Bowring, S. -C. Peng and A. D. Ahluwalia ): Earth and Planetary Science Letters (Elsevier),[v. 212\(3-4\)](#) ,p.433-441( 25 July 2003)
- Cambrian biostratigraphy of the Tal Group, Lesser Himalaya, India, and early Tsanglangpuan (late early Cambrian) trilobites from the Nigali Dhar syncline: NIGEL C. HUGHES , SHANCHI PENG , O. N. BHARGAVA , A. D. AHLUWALIA , SANDEEP WALIA , PAUL M. MYROW and S. K. PARCHA 'GEOLOGICAL MAGAZINE (Cambridge University), v.42, p.57-80 (January, 2005)
- The need for tsunami museums in South Asia: Journal of Geological Society of India (Bangalore), v.65(3), 374-375 March,2005 ( A.D.Ahluwalia)
- Natural hazards: a change of approach called for: Journal Geological Society of India, v.65 (5), p. 650-651, May, 2005 (Arun D. Ahluwalia)
- Geoethical audit of tsunami of 26 December 2004: challenge before leaders, media and scientists: CURRENT SCIENCE (Indian Academy of Sciences, Bangalore), v.90 (6), p.762-764, March 2006 (Arun D Ahluwalia).
- Indian geoheritage, geodiversity : Geosites & Geoparks: CURRENT SCIENCE Nov,25 (2006) (Arun D Ahluwalia).