

RESUME

- 1. Name & Designation:** **Dr. Kalachand Sain, Senior Principal Scientist & Head**, Gas-hydrate Gr. NGRI **Guest Faculty** at the University of Hyderabad **Professor** at Academy of Scientific & Innovative Research of CSIR
<http://scholar.google.co.in/citations?hl=en&user=9nhStVcAAAAJ>
- 2. Specialization:** Inversion, Modeling & Special Processing of Geophysical Data
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- 4. Date & Place of Birth:** 05-02-1964, Burdwan (W.B.)

5. Educational Qualifications:

DEGREE	UNIVERSITY	YEAR	SUBJECTS
Ph.D.	Osmania University, Hyderabad	1995	Controlled Source Seismology
Post-doctoral	Cambridge University, UK	1997	Marine Seismics
Post-doctoral	Rice University, USA	1999, 2003	Traveltime, Waveform Tomography

6. Current Areas of Research:

(i) exploration of marine gas hydrates; (ii) imaging sub-volcanic sediments onland & offshore, and (iii) understanding earthquake processes & tectonics in various provinces of India, and built requisite expertise in seismic data processing, attenuation, attributes, traveltime tomography, AVO modeling, full-waveform inversion, pre-stack depth migration & rock physics modeling.

7. Publications: 152

Peer-reviewed Scientific articles - 90; Non-SCI Papers / Unpublished reports - 62; Communicated - 14

8. Countries Visited:

UK, USA, Germany, Canada, Russia, Italy, Armenia, Thailand, Taiwan, South Korea, Norway, Austria, Singapore, France, Malaysia, New Zealand, Japan & Australia.

9. Supervision/Training/Guidance:

Produced **3 Ph.D. Students**; **2 Students** are about to submit, and **Supervising 4 Students for doctoral studies.**; and **Imparted training to final year students of Applied Geophysics** from various Indian Universities/Institutes and guided for **58 Dissertations** as part of curriculum of Universities.

10. Recognition/Honors/Awards/Fellowships:

Awards: (i) **Best Paper Award** (2012) by IAGR (Elsevier); (ii) **AP Scientist Award** - 2010; (iii) **NN Chatterjee Award** (2010) by GSI; (iv) **Prem Bahadur Memorial Lecture** (2009) of IGC; (v) **Best Poster Award** (2007) by Petrotech; (vi) **National Mineral Award** (2005) by Min. of Mines; (vii) **Best Paper Medal** (2002) by APAS; (viii) **Young Scientist Award** (1998) by CSIR; (ix) **Krishnan Gold Medal** (1996) by IGU

Fellow: (i) **National Acad. of Sciences**, India (2011); (ii) **APAS** (2010); (iii) **GSI** (2008); (iv) **IGU** (2002); (v) **Raman Fellowship** (2003) by CSIR; (vi) **BOYSCAST Fellowship** (1999) by DST

Honor: (i) **Honorary Secretary** of IGU (2014 onward); (ii) **Vice President** for Soc. of Petrol. Geophysicists, Hyd Chapter (2011-2014); (iii) **Supervisor** at Univ. of Hyderabad (2011 onward) and Andhra University (2011 onward); (iv) **ILP Bureau Member** under IUGG (2007 onward);

Member: (i) Active member of **AAPG**; (ii) **Board of Studies** for M.Sc. (Tech) in App. Geophys. at ISM (2006 onward); (iii) **Technology Information, Forecast & Assessment Council** of DST (2010 onward); (iv) **SPG Vice President** of Hyderabad Chapter (2010 onward); (v) **SEG Global** (2000 onward); (vi) **IGU**, (vii) **ISCA**, (viii) **IGC**; (ix) **Technical Committee of National Gas Hydrates Program** (2000 onward); (x) **Research Advisory Committee** of DOD (2002-2004)

Editorial Board: **Executive Editor** of JIGU (2014 onward); (ii) **Jour. Geol. Soc. India** (2011 onward) and **Fast Track Articles** (2013 onward); (iii) **Episodes** (2007 - 2011); (iv) **Geohorizons** (2006 - 2013); (v) **Int. Jour. Earth Sci. & Eng.** (2008 onward); (vi) Open Access **Jour. of Geophys. & Remote Sensing** (2013 onward); (vii) Open Access **Int. Jour. of Geosci. Res.** (2013 onward); (viii) 2nd Edition of **Encyclopedia of Solid Earth Geophysics**, 2011 by Springer; (ix) **Guest Editor, Marine & Petroleum Geology**, 2011 & 2014 by Elsevier.

AOGS: Organized & Chaired Sessions on Gas-hydrates in 2007, 2008, 2009, 2010, 2011 & 2013

(i) **Convener of International Methane Hydrates R&D Workshop** during November 9-12, 2014 at Hyderabad; (ii) **Organized/convended 13 seminars**; (iii) **Chaired 29 sessions**; (iv) **Delivered 31 invited talks**; and (v) **Attended 68 conferences.**

Research Fund received: 10.5 Million US \$ (equivalent to INR 4686 Lakhs)