Rasik Ravindra

Panikkar Professor & Chairman

INSA National Committee on SCAR

Earth System Science Organization

Ministry of Earth Sciences, New Delhi.

Summary of Work Profile

A. Elucidation of Lithostratigraphy, Structure and tectonics of Proterozoic sequence of continental shield area of India

Undersigned worked in various positions with Geological Survey of India for 34 years between December 1971 and January 2006, taking up multifarious earth-science investigations in northwestern and northeastern shield area of India, Precambrian terrain of Bhutan and East Antarctica.

- **Northwestern India:**

Undertook detailed field and laboratory studies to update the geological data base on 1:25,000 scale for middle to late Proterozoic rock sequence exposed in Rajasthan. The work comprised geological mapping, analyses of structural and Petrological data to

India, Rajasthan

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Director	Aug	Jan
Antarctica Division,	2000	2005
Faridabad		
(GSI)		

TRAININGS

- Foundational Co

- President of the *Society of Earth Scientists* of India
- Chairman of the DST Committee on Dynamics of Himalayan Glaciers (till Aug, 2012)
- Vice President of Indian Geophysical Union
- Council Member of the *Geological Society of India (2007-10)*
- Member, Research Advisory Council, *Wadia Institute of Himalayan Geology (till 2010)*
- Member, Research Advisory Council B*irbal Sahni Institute of Palaeobotany (BSIP)*
- Member Governing Council *of Indian National Centre for Ocean Information Services* (INCOIS, till 2012).
- Member Secretary of GT7(er)rrmanin Ø43.9(n)-4(c)4(il)1e dResa44.1(h)-410(d)-4(v)3(is)28ry Co(rmar

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- Head of the Indian Delegation at XXX ATCM, 2007, New Delhi, India

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24. Dwijesh Ray, S. Rajan and **Rasik Ravindra** (2010): Mineralogy of the disseminated sulphides from the volcanic of South Andaman, Current Science, Vol.99, No 8, 1021-1024

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26. Dhruv Sen Singh, Vikram Bhardwaj, Amit Awasthi, **R. Ravindra** (2010). Hydrogeochemistry of MidreLoven and Vestr Brogger glaci4um4(o)-2f1(s)2(i)10((e)9.r)10( )10(B)5(c)4(am J.)3(10(13(B

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51. Bejarniya,B.R., **Ravindra, R.,** Mukkerji, S., Kaul, M. K., Chaturvedi**,** A, D’Souza, M. J., and Beg, M. J. (1994): Geology and Structural pattern in the High Grade Metamorphites of Central Dronning Maud Land, E. Antarctica and its comparison with a part of Peninsular India. *Gondwana Nine Vol.* 11, Ninth International Gondwana Symposium*, pp. 927-234.*

52. D’Souza, M .J., Mukerji, S., Beg, M. J., **Ravindra, R**., Chaturvedi, A., Kaul, M. K. and Bejarniya, B. R (1994): Some aspects of Lamprophyre intrusive of Schirmacher Oasis in Central Dronning Maud Land, Antarctica and their relevance to pre-rift reconstruction. *Gondwana Nine Vol.11,* Ninth International Gondawana Symposium*, pp. 935-957.*

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54. **Ravindra, R**., Shrivastava, V. K; Sharma, B. L.; Dey, A. and Bedi, A. K. et. al. (1994**)** :Monitoring of Icebergs in Antarctic Waters and a Note on the Secular Movement of Dakshin Gangotri Glacier*. Scientific Report of Ninth Indian Expedition to Antarctica, Tech. Pub. No. 6, D.O.D., Govt. of India, New Delhi, pp. 239-250.*

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62. Singh, S.P**., Ravindra, R**. and Bakliwal, P.C. (1981): The Raialo-Alwar unconformity-A reinterpretation. Indian Minerals*, Vol.32, No1.*

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PAPERS *PRESENTED IN SEMINARS/ SYMPOSIA*

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2. Anilkumar, N., Pednekar, S.M., Racheal Chacko, and **Ravindra, R, (2012)** *Meridional extent of subtropical and polar water masses in the Indian sector of Southern Ocean.* SCAR Conference 2012, Portland, Oregon, USA

3. Thamban Meloth, C M Laluraj, Sushant S Naik, **Rasik Ravindra** and Arun Chaturvedi (2009): Climate variability during the past few centuries as depicted in ice cores from Antarctica and its implications on global climatic teleconnections. National Conf on " Earth System Processes and Disaster management, 15-17 Sept., 2009.

4. Racheal Chacko, Jenson V. George, N. Anil Kumar, Shailesh Pednekar, M. Sudhakar and **R**. R**avindra** (2009) **:** Variability of thermohaline structure on an inter-annual Time Scale in the Indian Sector of Southern Ocean during the Austral Summer. National Conf. on Climate Changes during the Quaternary: Special reference to Polar Regions and Southern Ocean, Goa, Oct 22-23, 2009.

5. R.Cutting, N.Singh, A.K.Tiwari and **R.Ravindra** (2009): Particle Size variation and Trace metal pollution: A comparative study over Southern Ocean and Antarctica. National Conf. on Climate Changes during the Quaternary: Special reference to Polar Regions and Southern Ocean, Goa, Oct 22-23, 2009.

6. C.M.Laluraj, M.Thamban, S.S.Naik, B.L.Redkar, **R.Ravindra** and A. Chaturvedi (2009); Nitrate Records from a Shallow ice core from east Antarctica and its climatic

implications. National Conf. on Climate Changes during the Quaternary: Special reference to Polar Regions and Southern Ocean, Goa, Oct 22-23, 2009.

7. Suhas S. Shetye, Sharon B. Noronha, N. Anil Kumar, M. Sudhakar and **R. Ravindra**.

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32. **Ravindra, R. (1999):** "Evidences of Raised Beaches from Schirmacher Oasis, East Antarctica." IGCP-367

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38. AK Banerji, SB Sharma & **R. Ravindra,** (1976**):** Revision of structure and stratigraphy of northeastern extension of Aravalli hills in Rajasthan**.** *Proc. Sym. Ind. Rocks & Min. Jaipur.*

3. Geological mapping in Mandawar feasility in Mandawar – Khairtal – Kishngargbas area of Alwar district, Rajasthan. Progress Report submitted to Geological Survey of India.

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1. Special Issue of Indian Journal of Marine Sciences, 2008, Volume 37, N0 1 on Southern Ocean. (Jointly with N. Khare)
2. Special Issue of Indian Journal of Marine Sciences, Volume, 2008, 37 No 4, on Southern Ocean. (Jointly with N. Khare
3. Section on Southern Ocean in Current Science , Vol. 99 No 10, jointly with M Sudhakar and R. Ramesh
4. Special Sections on Polar Earth Science in Jour Geological Society of India (2010, three issues)