

Curriculum vitae (CV):

Name: Dr. Ravikant Vadlamani

Date of Birth: 31 October, 1963

Present Position and address (since June 2014):

Associate Professor, Department of Geology & Geophysics, *Indian Institute of Technology, Kharagpur-721302*

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Permanent Address: 10-31/A, Temple Alwal, Secunderabad-500010, Andhra Pradesh, India (+91-40-2797-1310)

Positions held

1. Associate Professor, Department of Earth Sciences, *Indian Institute of Science Education and Research (IISER) Kolkata, Mohanpur-741252*, July 2010 to June 2014.
2. Assistant Professor, *Indian Institute of Technology, Roorkee-247667*, October 2007-July 2010.
3. Senior Geologist, Geochronology and Isotope Geology Division, *Geological Survey of India (Govt. of India)*, June 1988 to September 2007.

Educational qualifications:

1. *PhD. 2002, National Geophysical Research Institute, Hyderabad.*

On "Structural, metamorphic and geochronological studies of granulites and associated rocks from Schirmacher Oasis, East Antarctica", Thesis Supervisor: Prof K Gopalan.

2. *M.Tech (Applied Geology), Indian Institute of Technology, Kharagpur, 1986-1988 (CGPA 8.71).*

3. *M.Sc. (Applied Geology), Indian Institute of Technology, Bombay, 1984-1986 (CPI 8.86).*

4. *B.Sc. (Hons.), Fergusson College, University of Poona, Pune, 1981-1984 (First Class).*

5. *HSC (12 Standard, Maharashtra Board of High Secondary Education, Pune Division)-1981 (77%)-Loyola Junior College, Poona-411007*

6. *SSC (10 Standard, Maharashtra Board of Secondary Education, Pune Division)-1979 (72%)-Loyola High School, Poona-411007*

Teaching Experience

IISER Kolkata

1. ES1201-Earth System Processes, core course for First Year students
2. ES3102-Mineralogy & Geochemistry, Third Year core course
3. S3202-Igneous and Metamorphic Petrology, Third Year core course and ES3204-Laboratory
4. ES3105-Structural and lithological fieldwork for Third year students
5. ES4201-Precambrian and Phanerozoic Geology, Fourth year core course
6. ES5201-Mountain Building Processes, Fifth year course

IIT Kharagpur

7. GG40002 Geoexploration
8. EX41005 Earth and Planetary Systems
9. GG20003 Paleontology and Stratigraphy
10. GG30002 Stratigraphy

11. GG60015 Isotope Geology and Environment Modeling
12. GG38002 Fieldwork
13. EX38002 Fieldwork

Dissertations Supervised

PhD: 1

1. Saju Varghese - Petrogenesis of gold in the Wynad Gold Field, southern India-
awarded in 2015
2. Chiranjeeb Chatterjee - Constraining magmatic events from the Vinjamuru and Udayagiri domains, Krishna Province, southeastern margin of the Eastern Dharwar craton *to be submitted by June, 2016* (ongoing).
3. Debarchan Powali- Geochemical and geophysical studies of the subcontinental lithospheric mantle of the Indian craton (ongoing).
4. S Sibin. Geochemistry, geochronology and paleomagnetism of the Singhbhum craton dyke swarm (ongoing, IIT Kharagpur)
5. Belormi Chattopadhyay. Geochemistry and geochronology of the Iron Ore Group greenstone succession, Singhbhum craton. (ongoing, IIT Kharagpur)

M Tech: 5

1. Piyali Chanda – Strontium isotopic constraints for the age of Eocene marine mammal horizons of Kutch, Gujarat. (IIT Roorkee, with Prof Sunil Bajpai)
2. Monotrisa Dey – Stratigraphic implications of strontium isotopic data from Cambay Shale, Vastan Lignite Mine, Dist. Surat, Gujarat. (IIT Roorkee, with Prof Sunil Bajpai)
3. Ayan Das – Limitations of Strontium Isotope Stratigraphy: a case study on the marine Late Cretaceous sequences of Peninsular India. (IIT Roorkee, with Prof Sunil Bajpai)
4. Anupam Mandal-Geochemistry and isotopic chemistry of the Kandra igneous complex: implications for active eastern Dharwar cratonic margin tectonics (ongoing, IIT Kharagpur)
5. Debadutta Barik-Geochemistry and geochronology of the Chakradharpur and Arkasani granitoids, Singhbhum Group (ongoing, IIT Kharagpur)

M Sc: 14

1. Prashant Kumar Dubey 2008. Geochemistry of hot spring waters. (IIT Roorkee, with Prof GJ Chakrapani)
 2. Arahana Rohan David John 2009. Preliminary $^{87}\text{Sr}/^{86}\text{Sr}$ analysis of selected fossil taxa from the Tertiary of Gujarat. (IIT Roorkee, with Prof Sunil Bajpai)
 3. Chiranjeeb Chatterjee 2011. Geochemistry of metavolcanic rocks around Vinjamuru, Nellore district, Andhra Pradesh. (IISER Kolkata)
 4. Shakil Hashmi 2012. Geochemistry and petrogenesis of porphyritic granite from the SE margin of the Eastern Dharwar Craton. (IISER Kolkata)
 5. Mayank Gupta 2012. Geochemistry and petrogenesis of mafic and ultramafic rocks around Kandra, Nellore district, Andhra Pradesh. (IISER Kolkata)
 6. Anvesh Reddy 2013. Geochemistry and petrogenesis of mafic and ultramafic rocks of the Singhbhum craton, East Singhbhum district, Jharkhand. (IISER Kolkata)
 7. Om Prakash Kaptan 2014. Polycyclic Precambrian-aged metamorphism in the rocks of the Krishna Province, SE margin of the Eastern Dharwar craton (co-supervised with Prof Somnath Dasgupta). (IISER Kolkata)
- (All from IIT Kharagpur)*

8. Nishant V Meshram 2015. Petrology and geochemistry of granites of the Bastar craton, Orissa.
9. Vivek Kumar 2016. Geochemistry and petrology of the Shyok Volcanics and Pangong Tso migmatite, Ladakh Transhimalaya.
10. Kuldeep Kumar 2016. Geochemistry and petrology of ultramafic cumulates in mafic NE-SW trending dyke swarm in Singhbhum craton
11. Rabishankar Hembram 2016. Petrography of the Chakradharpur granite and the Arkasani granite
12. Shivkant Rajwad 2016. Geochemistry of the Eastern Ghats Belt-Bastar craton contact deformation zone
13. Mohit Kedia 2016. Geochemistry of cherts of the Eastern Iron Ore Group in Singhbhum craton, Orissa
14. Abhishek Kumar 2016. Petrography and textures of Tso Moriri ultra high pressure retrograde P-T-t-d path

Research Projects, Collaborations and outreach

1. Participated in *four Indian Scientific Expeditions to Antarctica* (1991-92, 94-95, 96-97 and 2003-04). Many related aspects of petrological, isotopic and geochemical studies are still being carried out.
2. Visiting Scientist, 2001, Instrumentation centre, Micromass, Manchester.
3. Visiting Scientist, 2001, Isotope geology centre, Southampton Oceanographic Centre, Southampton, UK.
4. Visiting Scientist, 2006-2007, Institute of Geochronology, University of Brasilia, Brazil under **Indian National Science Academy (INSA)** Exchange Program.
5. Visiting Scientist, 2012, **Chinese Academy of Sciences** Collaborative work "On the stratigraphical subdivision and correlation of the early Precambrian of China and Asia"(No. 1212010611802) with the Geological Survey of China and **Chinese Academy of Geological Sciences-Beijing SHRIMP Center** for correlation between early Precambrian of the Indian, North China and Siberian cratons.
6. *Member, National Working Group* of International Geological Correlation Program Project-502 on Global correlation and timing of volcanic-hosted massive sulfide ore deposits.
7. *Co-Principal investigator*, DST Project on "Lode gold mineralization in the Southern Granulite Terrain" with IIT Roorkee (completed).
8. *Principal-investigator*, CSIR Project on "Constraining tectonic setting of the Paleoproterozoic Krishna Province metaigneous rocks: implications for the geodynamic history of the active Eastern Dharwar cratonic margin" (ongoing)
9. **Research Advisory Committee Member** of the DST-Birbal Sahni Institute of Paleosciences (BSIP), Lucknow
10. *Principal Investigator*, MoES Project on "Inferring Paleoproterozoic crustal evolution of the Bastar craton from granitoids and their supracrustal enclaves using geochemistry and U-Pb, Sm-Nd and Lu-Hf geochronology".

Publications:

Complete list of refereed publications – *papers till 2004 have focus on structural geology and metamorphic petrology whereas thereafter most of the work focuses on applications of geochronology and isotope geochemistry to geological problems*

1. Chatterjee, C., Ravikant, V., Kaptan, O.P. in press. Paleoproterozoic Cordilleran-style accretion along the southeastern margin of the Eastern Dharwar craton: evidence from the Vinjamuru arc terrane of the Krishna orogen, India. *Lithos*
2. Sahoo, A.K., Krishnamurthi, R., Ravikant, V., Pruseth, K.L., Narayanan, M., Varghese, S., Pradeepkumar, T. 2015. Genetic aspects of gold mineralization in the Southern Granulite Terrain, India. *Ore Geology Reviews*; doi.org/10.1016/j.oregeorev.2015.07.019
3. Ravikant Vadlamani, Wu, F-Y., Ji, W-Q. 2015. Detrital zircon U-Pb age and Hf isotopic composition from foreland sediments of the Assam Basin, NE India: constraints on sediment provenance and tectonics of the Eastern Himalaya. *Journal of Asian Earth Sciences* 111, 254-267.
4. N.V. Chalapathi Rao, Srivastava, R.K., Sinha, A.K., Ravikant, V. 2014. Petrogenesis of Kerguelen mantle plume-linked Early Cretaceous ultrapotassic lamprophyres with affinities to lamproites from the Gondwana sedimentary basins, Damodar Valley, Eastern India. *Earth Science Reviews* 136, 96-120.
5. Ravikant Vadlamani, Hashmi, S., Chatterjee, C., Ji, W-Q., Wu, F-Y. 2014. Initiation of the intra-cratonic Cuddapah basin: evidence from Paleoproterozoic (1995 Ma) anorogenic porphyritic granite in Eastern Dharwar Craton basement. *Journal of Asian Earth Sciences*, 79, 235-245.
6. Ravikant, V., Kröner, A., Vasudevan, D., Wendt, I., Tobschall, H., Chatterjee, C. 2013. Zircon evaporation ages and geochemistry of metamorphosed volcanic rocks from the Vinjamuru domain, Krishna Province: evidence for 1.78 Ga convergent tectonics along the southeastern margin of the Eastern Dharwar Craton. *Geological Journal* 48: 293–309. DOI: 10.1002/gj.2441.
7. Vadlamani Ravikant, Wu, F-Y., Ji, W-Q. 2011. U-Pb and Hf isotopic constraints of detrital zircon from the Himalayan foreland Subathu sub-basin on the Tertiary of the Himalaya. *Earth and Planetary Science Letters*, 304(3-4):356-368
8. Ravikant, V., Golani, P.R., Dharwadkar, A., Ravindra, R. 2011. Petrology and geochemistry of the Grubergebirge anorthosite and marginal rocks, central Dronning Maud Land: further characterization of the Late Neoproterozoic magmatic event in East Antarctica. *Journal of the Geological Society of India*, 78(1):7-18
9. Ravikant, V., Golani, P.R. 2011. Rb-Sr direct dating of pyrite from the Pipela VMS Zn-Cu prospect, Rajasthan, NW India. *Journal of the Geological Society of India*, 77(2):149-159.
10. Clementz, M.T., Bajpai, S., Ravikant, V., Thewissen, J.G.M., Singh, I.B., Prasad, V., Sarvanan, S. 2011. Early Eocene warming events and the timing of terrestrial faunal exchange between India and Asia. *Geology*, 39(1):15-18.
11. Bera, M.K., Sarkar, A., Chakraborty, P.P., Ravikant, V., Choudhury, A.K. 2010. Forced regressive shoreface sandstone from Himalayan foreland: implications to early Himalayan tectonic evolution. *Sedimentary Geology*, 229(4):268-281.
12. K.L. Pruseth, Ravikant, V., Varghese, S., Krishnamurthi, R. 2009. Mantle-derived carbonate fluid alteration and gold mineralization in Southern Granulite Terrain, Wynad, India. In: Srivastava, R.K. (Ed.) *Dyke Swarms: Keys to Geodynamic Interpretation*, Springer [Proceedings of the 6 International Dyke Conference], Chapter 8.

13. Ravikant, V., Bajpai, S. 2010. Strontium isotope evidence for the age of Eocene fossil whales of Kutch, western India. *Geological Magazine*. 137 (3), 73-77.
14. Dubey, P., Ravikant., V., Chakrapani, G.J. 2010. Strontium isotopic composition in selected hot water springs in the northwestern Himalaya. *Himalayan Geology* 31(1), 19-22.
15. Ravikant, V. 2010. Palaeoproterozoic (~1.9 Ga) extension and rifting along the eastern margin of the Eastern Dharwar Craton, SE India: new Sm-Nd isochron age constraints from anorogenic mafic magmatism in the Neoproterozoic Nellore greenstone belt. *Journal of Asian Earth Sciences*, 37(1): 67-81
16. Ravikant, V. 2009. Tectono-metamorphic events recorded in high-grade rocks from Filchnerfjella: further evidence for Pan-African reworking of the Grenville-aged crust in central Dronning Maud Land, East Antarctica. *Indian Journal of Geosciences*, 63(2): 1-12.
17. Ravikant, V., Wu, F-Y., Ji, W-Q. 2009. Zircon U-Pb and Hf isotopic constraints on petrogenesis of the Cretaceous-Tertiary granites in eastern Karakoram and Ladakh, India. *Lithos*, 110:153-166.
18. Ravikant, V. 2008. Late Neoproterozoic Orogenesis in the central Dronning Maud Land, East Antarctica: a review of tectonothermal events affecting rocks of the Schirmacher Oasis (~660–580 Ma) and Filchnerfjella (~570–530 Ma). *Geological Survey of India Special Publication No.91, Pan-African event in India and Antarctica*, pp156–170.
19. Ravikant, V., Laux, J. H. and Pimentel, M.M. 2007. Sm-Nd and U-Pb isotopic constraints for crustal evolution during Late Neoproterozoic from rocks of the Schirmacher Oasis: geodynamic evolution coeval with the East African Orogeny. In: *Antarctica: A Keystone in a Changing world-Online proceedings of the 10th ISAES*, edited by A.K. Cooper, C.R. Raymond et al., *USGS Open-File Report 2007-1047*, Short Research Paper 007, 5 p.; doi:10.3133/of2007-1047.srp007.
20. Ravikant, V. 2006. Sm-Nd isotopic evidence for Late Mesoproterozoic metamorphic relics in the East African Orogen from the Schirmacher Oasis, East Antarctica. *Journal of Geology*, 114 (5):615-625.
21. Ravikant, V. 2006. Utility of Rb-Sr geochronology in constraining Miocene and Cretaceous events in the eastern Karakoram, Ladakh, India. *Journal of Asian Earth Sciences*, 27(4):534-543.
22. Ravikant, V., 2005. Metamorphism of mafic and ultramafic enclaves within granulites, Schirmacher Oasis, East Antarctica. *Journal of the Geological Society of India*, 65(3):279-290.
23. Ravikant, V., Bhaskar Rao, Y.J., and Gopalan, K. 2004. Schirmacher Oasis as an extension of the East African Orogen into Antarctica: new Sm-Nd isochron age constraints. *Journal of Geology*, 112:607-616.
24. Ravikant, V., Tapan Pal and Dipankar Das. 2004. Chromite from the Nidar ophiolite and Karzok Complex, Transhimalaya, eastern Ladakh: their magmatic evolution. *Journal of Asian Earth Sciences*, 24:177-184.
25. Ravikant, V. 2003. Metamorphic conditions from the Taglang La Formation, Tso Moriri complex, SE Ladakh: general inferences for the tectonics of the NW Indian continental margin. In: Anand Mohan (Ed.) *Milestones in Petrology, Memoir of the Geological Society of India*, Paper No.19, pp. 409-425.
26. Ravikant, V. and Guha, D. 2002. Report of post-collisional ultrapotassic lamprophyre dyke from the Ladakh batholith, NW Himalaya. *Journal of the Geological Society of India*, vol 59 (5), pp. 473-476

27. Ravikant, V. 1998. Preliminary thermal modelling of the massif anorthosite-charnockitic gneiss interface from Gruber Mountains, central Dronning Maud Land, East Antarctica. *Journal of the Geological Society of India*, vol 51(9), pp.287-300.
28. Ravikant, V. and Kundu, A. 1998. Reaction textures of retrograde pressure-temperature-deformation paths from granulites of Schirmacher Hills, East Antarctica. *Journal of the Geological Society of India*, vol 51(3), pp.305-314.
29. Ravikant, V., Bejarniya, B.R., Mukerji, S., and Kaul, M.K. 1997. Late Proterozoic granitic orthogneiss from North Payer-Weyprecht Mountains, East Antarctica: their tectonometamorphic history and regional correlation. In: C.A. Ricci (Ed.) *The Antarctic Region: Geological Evolution and Processes*, Siena, Italy. pp. 55-63.
30. Ravikant, V. 1993. A note on the structural pattern and gneiss-metasedimentary relations in the Central Crystalline Complex (Higher Himalaya) of East Sikkim, Eastern Himalaya. *Journal of Himalayan Geology*, vol 4(2), pp. 131-141.
31. Bhattacharyya, D.S., Ghosal, A., and Ravikant, V. 1990. Chhotanagpur granite gneiss in relation to the schistose rocks around Murhu, Ranchi district, Bihar: a structural approach. *Proceedings of the Indian Academy of Sciences (Earth and Planet. Sci.)*, K. Naha, S. K. Ghosh, and D. Mukhopadhyay (Guest Eds.) Special Issue on Structure and Tectonics: the Indian scene, vol 99, pp. 269-277.

Comment

1. Ravikant, V. 1996. Comments on "Geochemistry of polyphase gneisses from Schirmacher Oasis, by S.M.Hussain and V.Divakar Rao", *Journal of the Geological Society of India*, vol 47(3), pp.302-312". *Journal of the Geological Society of India*, vol 48 (11) pp. 598-601.

Technical Reports, Department of Ocean Development (DOD)- Antarctica Division / National Center for Antarctic and Ocean Research, Government of India

1. Ravikant, V., Dharwadkar, A., Golani, P.R. and Ravindra, R. 2007. Petrology and geochemistry of the Grubergebirge anorthosite and marginal rocks, central Dronning Maud Land: further characterization of the Late Neoproterozoic magmatic event in East Antarctica. (*DOD Tech. Publ. No. 21*) *23 Indian Antarctic Expedition*.
2. Ravikant, V., Jayapaul, D. and Asthana, R. 2000. The geology of Filchnerfjella, Orvin Mountains, central Dronning Maud Land, East Antarctica. Scientific Report, *DOD Tech. Publication No.14*, pp. 211-243. *16 Indian Antarctic Expedition*.
3. V.Ravikant.1998. Explanatory note to the *Geological Map of the Schirmacher Oasis*, central Dronning Maud Land, East Antarctica (scale 1:25,000). Published by the Geological Survey of India. (map prepared by V.Ravikant)
4. Bejarniya, B.R., Ravikant, V., and Kundu, A.1998. Field structural relations and petrological studies of rocks from Conrad Mountains, central Dronning Maud Land, East Antarctica. Scientific Report, *DOD Tech. Publication No.12*, pp. 127-152. *14 Indian Antarctic Expedition*.
5. Bejarniya, B.R., Ravikant, V., Mukerji, S., Nautiyal, S.C., Oberoi, L.K. and Gill, A.S.1995. Geology of the Payer-Weyprecht Mountains, central Dronning Maud Land, East Antarctica. Scientific Report, *DOD Tech. Publication No.9*, pp. 121-144. *11 Indian Antarctic Expedition*.

List of Abstracts and posters in Symposia and Seminars

1. Vadlamani, R., Bühn, Bernard, Piementel, M.M. 2015. Neoproterozoic basinal development from the Schirmacher Oasis, East Antarctica: evidence from detrital zircon U-OPb ages in high-grade metasedimentary rocks. Abstracts Volume of the 12 *International Conference on Antarctic Earth Sciences*, held at Goa, 13-17 July, 2015.
2. Ravikant, V., Chatterjee, C., Ji, -Q., Wu, F-Y. 2013. Neoproterozoic accretion along the southeastern margin of the Eastern Dharwar Craton, India: evidence from zircon U-Pb ages and their Hf isotopic composite. *Mineralogical Magazine*, 77(5), p 2383. DOI:10.1180/minmag.2013.077.5.22. *Goldschmidt 2013*, Abstracts Volume. (25-30 August, 2013, Florence, Italy).
3. Vadlamani, R., Bühn, Bernard, Piementel, M.M. 2013. Age interpretation of detrital zircon in granulite-facies rocks from the Schirmacher Oasis, East Antarctica. Abstracts Volume of the third International conference, *Granulites & Granulites 2013* held at Hyderabad 16-20 January, 2013, p.62.
4. KL Pruseth, V Ravikant, S Varghese, R Krishnamurthi. Petrology and age of unusual carbonate-bearing granitoid dykes from southern India: evidence for direct source to gold-pyrite hydrothermal veins of the Wynad gold field. Abstract for 6 *International Dyke Conference, BHU, Varanasi* (February, 2010).
5. V. Ravikant, Fuyuan Wu. The ~1.9 Ga Kandra differentiated dykes: evidence for a probable Large Igneous Province at the eastern margin of the Eastern Dharwar Craton, SE India. Abstract for 6 *International Dyke Conference, BHU, Varanasi* (February, 2010).
6. Neogi, S. and Ravikant, V. The Main Central Thrust revisited: new insights from the Sikkim Himalaya. Abstract for the 23 *Himalayan-Karakoram-Tibet Workshop*, Leh, Ladakh, India (7-11 August, 2008).
7. Ravikant, V., Laux, J. H. and Pimentel, M.M. 2007. Sm-Nd and U-Pb isotopic constraints for crustal evolution during Late Neoproterozoic from rocks of the Schirmacher Oasis: geodynamic evolution coeval with the East African Orogeny: Poster presented at the 10 *International Symposium on Antarctic Earth Sciences, University of California at Santa Barbara, USA (26-31 August 2007)*
8. Ravikant, V. Tectonothermal history recorded in the high-grade rocks from Filchnerfjella: implications for transition between Grenville- and Pan-African-aged mobile belts in central Dronning Maud Land, East Antarctica. Abstract, poster presentation, in the IX *International Symposium on Antarctic Earth Sciences, Potsdam, Germany (8-12 September, 2003)*
9. Ravikant, V., Bhaskar Rao, Y.J. and Gopalan, K. 2002. P-T-t history of granulites from the Schirmacher Oasis, East Antarctica. Abstracts volume, *Geochimica et Cosmochimica Acta*, v. 66, No.15A, A793.
10. Ravikant, V., Tapan Pal and Dipankar Das. 2002. Chromite from the Nidar ophiolite and Karzok Complex, Transhimalaya, S.E. Ladakh: comparison of their parental magmas. *Journal of Asian Earth Sciences*, vol. 20, p.32.. Abstracts of the 17th *Himalayan-Karakoram-Tibet Workshop, Gangtok, Sikkim, India*.
11. Ravikant, V. 2001. Early Pan-African magmatism from Schirmacher Oasis, East Antarctica: inferring an active continental margin tectonic setting by analogy with Cretaceous-Eocene magmatism from the Ladakh arc during the early Himalayan collisional orogeny. Online Abstract in the *IGCP 453 (Uniformitarianism Revisited)*

- Conference on Collisional Orogens, Lausanne, Switzerland (Eds. B.J. Murphy and J.Duncan Keppie).
12. *Ravikant, V., Kundu, A. and D'Souza, M.J.* 2001. Multiple Proterozoic metamorphic-magmatic events from central Dronning Maud Land, East Antarctica: inferences on assembly of Rodinia and Gondwana. *Gondwana Research, 4(4): 751-752.* (International Symposium on the Assembly and Breakup of Rodinia and Gondwana, and growth of Asia (ISRGA), IGCP 411, Osaka, Japan)
 13. *Ravikant, V.* 2000. Contrasting metamorphic conditions from the Taglang La Formation and the eclogitic Tso Moriri window, SE Ladakh: Eocene tectonic juxtaposition followed by exposure during development of the North Himalayan Anticlinorium. Abstracts volume, *National Symposium on Milestones in Petrology*, Banaras Hindu University, and Geological Society of India, Varanasi.p.63.
 14. *Ravikant, V., Bejarniya, B.R., Mukerji, S. and Kaul, M.K.* 1995. Late Proterozoic granitic orthogneiss from North Payer-Weyprecht Mountains, East Antarctica: their tectonometamorphic history and regional correlation. Abstract, poster presentation, *VII International Symposium on Antarctic Earth Sciences, Siena, Italy.*

Technical Reports, Geological Survey of India, Government of India

1. *Ravikant, V.* Geochronological studies on granitoid from the area between Kalimath-Kotma-Chumasi, District Rudraprayag, Uttaranchal (STM/NR/UP&UA/2005/015). GSI Report for the Field Season Program **2005-06.**
2. *Ravikant, V.* Geochronological studies on selected lithological components from the area between the Kodaikanal massif and the Palghat-Cauvery shear zone, Dindigul district, Tamil Nadu (STM/SR/TNP/2004/036). GSI Report for the Field Season Program **2004-05**
3. J.G. Ghosh and *Ravikant, V.* Geochronological constraints on the evolution of the Nellore Schist Belt and its basement. GSI Report for the Field Season Program **2001-02, 2002-03 and 2003-2004.**
4. *Ravikant, V.* Geochronological studies in central Dronning Maud Land, East Antarctica (RP/CHQ/ANT/1981/001, Service Item)
5. *Ravikant, V.* Geochronological studies on selected lithological components from the Sausar fold belt in parts of Maharashtra and Madhya Pradesh (STM/CR/MH/2000). GSI Report for the Field Season Program **2003-04.**
6. *Ravikant, V.* Geochronological studies on granitoids from Betul belt, Madhya Pradesh (STM/CR/Mah/2000/003). GSI Report for the Field Season Program **2003-04.**
7. Thappa, B.D., *Ravikant, V., Bhagwan Singh and Roy, R.* (2005). Petrochemistry and geochronological studies of Transhimalayan granitoids from SE Ladakh and Karakoram. GSI Report for the Field Season Program **1998-99, 1999-2000 and 2000-2001.**
8. Neogi, S., Sarkar, G., *Ravikant, V* and Mukhopadhyay, G.C.1996. Petrological and geochronological studies of the Higher Himalayan Crystallines and granites of Sikkim, India. GSI Report for the Field Season Program **1993-94 and 1994-95.**
9. Jayalal, Mukhopadhyay, G.C. and *Ravikant, V.* 1994. Detailed geological mapping of 'unclassified' Daling Group of rocks in parts of East and North Sikkim for delineation into Rayong Fm. and Gorubathan Fm. GSI Report for the Field Season Program **1992-93.**
10. *Ravikant, V.* and Jayalal.1992. Detailed geological mapping of the Central Crystalline Gneiss terrane in parts of East District, Sikkim. GSI Report for the Field Season Program **1990-91.**

11. *Ravikant, V.* 1992. Report on the geological mapping of the area from Dzema to Green Lake, North Sikkim GSI Expedition Report for the Field Season Program **1989-90**.
 12. *Ravikant, V., Das, P.K. and Srihari, J.* 1992. Detailed geological mapping of 'unclassified' Daling Group of rocks in West Sikkim for delineation into Rayong Fm. and Gorubathan Fm. GSI Report for the Field Season Program **1989-90**.
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Journal Reviewer: The Journal of Geology, Lithos, Precambrian Research, Geological Society of London, Journal of Asian Earth Sciences, Gondwana Research, International Journal of Earth Sciences, Journal of the Geological Society of India, Journal of Earth System Science