DR. M. PRASANTHI LAKSHMI
CSIR-NGRI, HYDERABAD, INDIA
http://scholar.google.co.in/citations?user=OkMeu4IAAAAJ

NGRI RESEARCH GROUP:

Airborne Geophysics

FIELD OF SPECIALIZATION:

- High resolution multi-parameter heliborne geophysics, Exploration Geophysics.

EDUCATION:

2005	Ph.D. Geophysics, Osmania University, India
1999	M.Sc.(Tech) Geophysics, Andhra University, India
1995	B.Sc. Mathematics, Physics, Chemistry, Nagarjuna University, India

PROFESSIONAL EXPERIENCE:

03/06-	**Jr. Scientist, NGRI**
02/02-03/06	**Senior Research Fellow**, CSIR, NGRI
09/99-02/02	**Project Fellow**, NGRI

MEMBERSHIP: American Geophysical Union (AGU)

PH.D. ADVISOR: DR. H.V. RAM BABU

PUBLICATIONS

Prasanthi Lakshmi M, and Ram Babu, H.V. 2008, The Chinnur high - A geophysical evidence for rift-related magmatism in the Godavari Basin, Journal of the Geological Society of India, V:72, No:4, P:556-561

H.V. Ram Babu and M**. Prasanthi Lakshmi**, 2005, Aeromagnetic image of a part of peninsular India and its relation to geology and structure. **Exploration Geophysics,** V. 36. p.250-258

H.V. Ram Babu, and **M. Prasanthi Lakshmi**, A note on geophysical mapping of the granulite terranes surrounding the Godavari basin. **Journal of Geological Society of India,** V. 65, p.211-216

M. Prasanthi Lakshmi and H.V. Ram Babu, 2002, Basement Structure of The South Western Part of The Cuddapah Basin – from Aeromagnetic anomalies. **Current Science**, Vol. 82, No.11, p1378-1381

Ch. Rama Rao, **M.P. Lakshmi** and H. V. Ram Babu, 2002l, Delineation of new structural controls using aeromagnetics and their relation with the occurrence of ground water in an exposed basement complex in a part of South Indian shield. In Proceedings of IGC-2002 (**International publication**) p.49-56

Saurabh K. Verma, K. Hemant, **M. Prasanthi Lakshmi** and H.V. Ram Babu, 2002, Some significant aspects of magnetic and electromagnetic exploration for diamonds. **Journal of Applied Geochemistry**, Vol. 14, p319-333

ABSTRACTS:

M. Prasanthi Lakshmi and H.V. Ram Babu, 2001, Micro-leveling of aeromagnetic data - a case study. Annual convention of the Indian Geophysical Union, 2001

H.V. Ram Babu and **M. Prasanthi Lakshmi**, 2001, Aeromagnetic Image of a part of Peninsular India and its relation to geology and structure. International symposium on Applied Geochemistry in the coming decades, NGRI, 2001

H.V. Ram Babu and **M. Prasanthi Lakshmi**, 2001, An approach to reduction to pole at low magnetic latitudes. Annual convention of the Indian Geophysical Union, 2001

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M. Prasanthi Lakshmi, and H.V. Ram Babu, 2002, The Chinnur high – a geophysical evidence for rift related magmatism in the Godavari basin. Annual convention of the Indian Geophysical Union on "Sustainability Science and Environmental Geophysics" held during 4-6th October 2002 at NEERI, Nagpur.

H.V. Ram Babu, and **M. Prasanthi Lakshmi**, 2003, Aeromagnetic characteristics of the Achankovil shear belt, south India. CSIR Diamond Jubilee seminar on Frontiers of Geophysical Research, held during 10 – 11th September 2003, at NGRI, Hyderabad (Extended abstract).

H.V. Ram Babu., G.D.J.S. Sinha, R.K. Kishore, and **M. Prasanthi Lakshmi**, 2003, Structural control of kimberlites in Maddur area, Andhra Pradesh – an appraisal from airborne magnetic and radiometric surveys, CSIR Diamond Jubilee seminar on Frontiers of Geophysical Research, held during 10 – 11th September 2003, at NGRI, Hyderabad (Extended abstract).

H.V. Ram Babu and **M. Prasanthi Lakshmi**, 2004, Position of the Indian subcontinent during the proterozoic era – an evidence from magnetic anomalies; 41st Annual convention and meeting of IGU on "Inter and Intraplate seismicity in India- present knowledge and future strategy", 29-31 December 2004, at NGRI, Hyderabad.

H.V. Ram Babu and **M. Prasanthi Lakshmi, 2004**, A reappraisal of the structure and tectonics of the Cauvery basin (India) from aeromagnetics and gravity. In: Proceedings of 5th conference & exposition on Petroleum Geophysics, Hyderabad p.19-24.

H.V. Ram Babu, **M. Prasanthi Lakshmi** and R.K. Kishore, 2004, Gravity anomalies over India and their significance; Paper accepted for presentation at the 41st Annual convention and meeting of IGU on "Inter and Intraplate seismicity in India- present knowledge and future strategy", to be held during 29-31 December 2004, at NGRI, Hyderabad.

M. Prasanthi Lakshmi and H.V. Ram Babu, 2011, Applicability of aeromagnetics for kimberlite

exploration in the hard rock terrain of Eastern Dharwar Craton, south India" oral presentation at AGU Fall Meeting 2011, San Francisco.

TECHNICAL REPORTS

1. A report on helicopter-borne magnetic survey over parts of Jaipur & Alwar districts, Rajasthan. (Sponsored by Phelps Dodge Exploration India (P) Ltd)
2. A report on helicopter-borne magnetic survey over Pindwara block, Sirohi district, Rajasthan. (Sponsored by M/s Metmin Finance & Holdings (P) Ltd.,)
3. A report on helicopter-borne magnetic survey over parts of east and west Singbhum districts, Jarkhand State, India, (Sponsored by Phelps Dodge Exploration India (P) Ltd)
4. A report on Ground geophysical surveys near Pipela, Sirohi district, Rajasthan, (Sponsored by M/s Metmin Finance & Holdings (P) Ltd.,)
5. A report on high-resolution airborne magnetic survey for kimberlite exploration over Kalyandurg area, Ananthapur district, Andhra Pradesh (Sponsored by National Mineral Development Corporation)
6. A report on high-resolution multi-parameter airborne geophysical survey over a part of Gwalior and Shivpuri districts of Madhya Pradesh (Sponsored by AMD)
7. High-resolution multi-parameter airborne geophysical survey over a part of albitite line in states of Haryana and Rajasthan (Sponsored by AMD)
8. Report on a multi-parameter heliborne geophysical survey over a part of north Singhbhum shear zone (Sponsored by AMD)