Dr. M. SHEKAR

CSIR-NGRI, HYDERABAD, INDIA

http://scholar.google.co.in/citations?user=9ciNXdoAAAAJ&hl=en

NGRI RESEARCH GROUP:

Seismology

FIELD OF SPECIALIZATION:

- Instrumentation in Seismology, Installation and operation of seismic stations, Observational Seismology

EDUCATION: Degree/ award

2012	Ph.D in Geophysics, Osmania University, India
1999	M.Sc. (Applied Electronics) Osmania University, India
1997	B.Sc. (Match, Physics, Chemistry) Osmania University, India

PROFESSIONAL EXPERIENCE:

03/2008-	Scientist, National Geophysical Research Institute, Hyderabad, India
03/2004-03/2008	Junior Scientist, National Geophysical Research Institute, Hyderabad, India
05/2001-03/2004	Project Fellow, National Geophysical Research Institute, CHyderabad, India
10/1999-05/2001	Junior Lecturer in Physics, Pragati Jr College, Hyderabad, India

SERVICE:

NGRI Committees:

Member, Management Council 2005–2007

Member, Golden Jubilee committee for eminent lectures 2010–2011
Member, Local purchase committee 2012–2013

Publications

2012
International

1. Chandrani Singh, S.K. Basha, **M. Shekar** and R.K. Chadha (2012). Spatial variation of coda wave attenuation in southern Indian shield and its implications, Geologica Acta, Vol.10, N4, December 2012, 1-10, Pg 309-318.

2. Chandrani Singh, **M. Shekar**, Arun singh and R.K. Chadha (2012). Seismic attenuation characteristics along the HiCLIMB profile in Tibet from Lg Q Inversion, Bulletin of the Seismological Society of America, Vol.102, Pg 783-789.

3. J Pavan Kumar, DV Ramana, RK Chadha, C Singh, **M Shekar** (2012) The relation between seismicity and water level changes in the Koyna–Warna region, India, Nat. Hazards Earth Syst. Sci, Vol:12, pg: 813-817.

2011

3. Chandrani Singh, Arun Singh, Sagarika Mukhopadhyay, **M. Shekar**, and R. K. Chadha (2011). Lg Attenuation Characteristics across the Indian Shield, Bulletin of the Seismological Society of America, Vol. 101, No. 5, pp. 2561–2567, October 2011, doi: 10.1785/0120100239.

2008

4. R. K. Chadha, Chandrani Singh, and **M. Shekar** (2008). Transient changes in well-water level in Bore wells in western India due to the 2004 Mw 9.3 sumatra Earthquake, Bulletin of the Seismological Society of America, Vol. 98, No. 5, pp. 2553–2558, October 2008, doi: 10.1785/0120080952.

5. Chadha, R.K, H.J.Kuempel, **Shekar, M** (2008). Reservoir Triggered Seismicity (RTS) and well water level response in the Koyna region, India, Tectonophysics, 456(2008) 94-102

2007

6. Singh, C., Ramana, D.V., Chadha, R.K., **Shekar, M** (2007). Coseismic responses and the mechanism behind MW 5.1 earthquake of March 14, 2005 in the Koyna-Warna region, India, Journal of Asian Earth Sciences, Vol.31, Issue 426,Page 499-503.

7. D.V.Ramana, R.K.Chadha, Chandrani Singh and **M.Shekar** (2007). Water level fluctuation due to earthquakes in Koyna-Warna region, India" Natural Hazards, 40(3), 585-592.

8. Kumar,CH.P., Sarma,C.S.P, **Shekar.M** and Chadha,R.K (2007). Attenuation studies based on local earthquake coda waves in the southern Indian peninsular shield" Natural Hazards, 40 (4), 585-592

2006

Indian Journals

9. B. Ajay Kumar, D.V.Ramana, Ch. Patanjali Kumar, V.Swaroopa Rani, **M.Shekar**, D.Srinagesh and R.K.Chadha (2006). Estimation of source parameters for 14 March 2005 earthquake of Koyna-Warna region", Current Science,91(4), 526-530.

2005

Indian Journals

10. Harsh Gupta, Prantik Mandal,H.V.S.Satyanarayana,D.Shashidhar,B.Sairam, **M.Shekar**, Arun Singh, M.Kousalya, N.Purnachandra Rao and V.P.Dimri, (2005). Earthquake at Koyna" Current Science,Vol.89(11), 1785-1787.

11. Harsh Gupta, Prantik Mandal, H.V.S.Satyanarayana, D.Shashidhar, B.Sairam, **M.Shekar**, Arun Singh, M.Kousalya, N.Purnachandra Rao and V.P.Dimri (2005). An earthquake of M~5 may occur at Koyna" Current Science,Vol.89(5), 747-748.

.

EXTERNAL PROJECTS AS CO-PL/MEMBER (PRESENT AND PAST)

Funding Agency	Project/Investigators	Amount	Period
MoES	Upgradation and operation of Three Broadband Seismological observatories in the Indian peninsular shield PL Dr R.K.Chadha, Member: M. Shekar	90 Lakh	2004- Present
MoES	In-situ Pore pressure studies in the Koyna region, Maharashtra Pl Dr R.K. Chadha, Member: M.Shekar		March 2004- Present
MoES	Site response studies in the Bangalore city PL: D. Srinagesh		Aug 2005-Aug 2006
MoES	Seismicity and Hazard potential in Indo – Ganga plains from seismic structure PL: D. Srinagesh	110 Lakh	December 2005-2008
MoES	Rate and mode of crustal deformation in the Godavari failed reft region PL Dr. V.K.Gahalaut, Co-PL M.Shekar	20 Lakh	March 2005- Present