

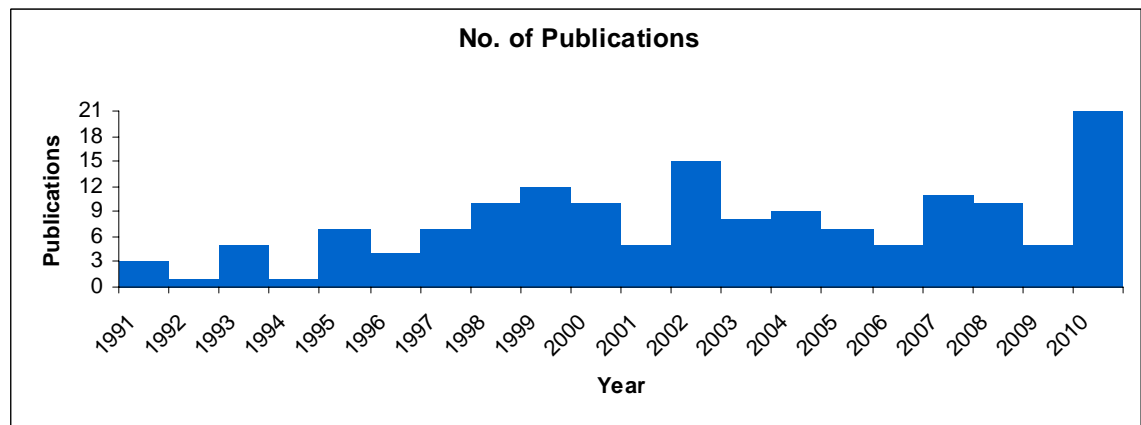
List of Publications of Prof. Sankar Kumar Nath

Citation Details:

Period: 1991-2010 (till September, 2010)

- Number of publications in SCI rated refereed journals: 101
- Number of publications in conferences: 49
- Number of books/monographs: 06
- Number of cited publications: 50
- *Total citation* ~ 327
- Average Citation out of total number of publications in SCI rated journals: 3.24
- Average Citation out of published cited papers: 6.54
- Papers with ≥ 10 citations: 12
- Papers with ≥ 15 citations: 09
- Maximum citation received by a paper: 31
- *H-index*: 11

Citation detail of each publication from the search results covering a period from 1991 to 2010 (till September, 2010) is provided in the subsequent pages. The tools employed include Scopus, ISI Web of Knowledge, Google Scholar, and Internet (web).



KEY OBSERAVTIONS:

The citation trends exhibit exponential growth with time.

1. More than 80% of the total citations during the last five years
2. More than 70% of the total citations during the last four years
3. More than 60% of the total citations during the last three years
4. More than 40% of the total citations during the last two years

A. Research papers published in refereed journals:

- [1] **Nath, S. K.**, Majumdar, S. and Sengupta, S., 1991, *Finite element condensation technique in modelling normal incidence synthetic seismograms*, **Indian Journal of Geology**, Vol. 63, No. 1, pp. 06-16.
- [2] **Nath, S. K.**, Majumdar, S. and Sengupta, S., 1991, *Synthetic seismograms by finite element condensation technique for 2D geological structures*, **Journal of AEG (JAEG)**, Vol. XII, No. 1, pp. 45-54.
- [3] Chakraborty, A., **Nath, S. K.**, Roy, J. and Sengupta, S., 1991, *A seismic refraction interpretation package using generalised reciprocal method*, **Journal of AEG (JAEG)**, Vol. XII, No. 2, pp. 113-122.
- [4] **Nath, S. K.**, Majumdar, S. and Sengupta, S., 1992, *Two dimensional seismic modelling by finite element legendre polynomial condensation technique*, **Bollettino Di Geofisica, Teorica ed Applicata** (Bulletin of Geophysics, Pure and Applied), Vol. XXXIV, No. 133, pp. 03-19. [*Impact Factor: 0.86*]
- [5] **Nath, S. K.**, 1993, *Shallow seismic investigation - A case study*, **Indian Journal of Geology**, Vol. 65, No. 3, pp. 193-205.
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- [7] **Nath, S. K.**, Majumdar, S. and Sengupta, S., 1993, *Boundary effects in finite element modelling of seismic responses*, **Indian Journal of Petroleum Geology**, Vol. 2, No. 2, pp. 73-88.
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- [11] **Nath, S. K.**, Singh, S. K., Pani, A. and Sengupta, S., 1995, *Cross-hole Tomographic velocity estimation by ray tracing and back projection methods*, **Indian Journal of Geology**, Vol. 67, No. 4, pp. 263-272.
- [12] Sircar, A., Chouhan, R. K. S. and **Nath, S. K.**, 1996, *Conjugate gradient method - An effective algorithm for Seismic Tomographic Reconstruction*, **Journal of AEG (JAEG)**, Vol. XVII, No. 2, pp. 63-68.
- [13] **Nath, S. K.**, John, R., Singh, S. K., Sengupta, S. and Patra, H. P., 1996, *SEISPACK-An "HP-C" program for seismic refraction interpretation using ray-inversion technique*, **Computers & Geosciences**, Elsevier Science Ltd., Vol. 22, No. 3 (Special Geophysics issue), pp. 305-332. [*Impact Factor: 1.306*]
- [14] **Nath, S. K.**, Singh, S. K., Pani, A. and Sengupta, S., 1997, *Forward Modelling in Cross-hole Seismic Tomography using reciprocity*, **Computers & Structures**, Elsevier Science Ltd., Vol. 63, No. 1, pp. 1-15. [*Impact Factor: 1.44*]

- [15] **Nath, S. K.**, Chatterjee, D., Biswas, N. N., Dravinski, M., Cole, D. A., Papageorgiou, A., Rodriguez, J. A. and Poran, C. J., 1997, *Correlation Study of Shear wave velocity in near surface geologic formations in Anchorage, Alaska*, **Earthquake Spectra**, Earthquake Engineering Research Institute, USA, Vol.13, No. 1, pp. 55-75, Feb, 1997. [Impact Factor: 2.866]
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- [18] Shahid, S., **Nath, S. K.** and Patra, H. P., 1998, *Delineation of Well Head Protection Area of a medium range public supply well at Keshpal, Midnapore Dist.*, **Indian Journal of Environmental Protection**, Vol. 18, No. 6, pp. 451-453.
- [19] Chakraborty, S., **Nath, S. K.** and Sengupta, S., 1998, *Seismic Transmission Tomography – A Configurative Approach*, **Acta Geophysica**, Springer, (Formerly *Acta Geophysica Polonica*, Polish Academy of Sciences), Vol. XLVI, No. 4, pp. 389-409. [Impact Factor: 0.882]
- [20] **Nath, S. K.**, 1998, *Research Note on The Short term course and Training Workshop on "Site Response and Microzonation Studies from Earthquake Seismology" at the Department of Geology & Geophysics, IIT Kharagpur during May18-22, 1998*, **Journal of The Geological Society of India**, Vol. 52, No. 6, Dec'98, pp. 735-739. [Impact Factor: 0.424]
- An extract of the report on the proceedings of the workshop is published in the **DST News Letter "Deep Continental Studies in India"** (DCS-DST News), Vol. 8, No. 2, pg. 16, August 1998.
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- [22] **Nath, S. K.**, Chakraborty, S., Singh, S. K. and Ganguly, N., 1999, *Velocity Inversion in Cross-hole Seismic Tomography by Counter Propagation Neural Network, Genetic Algorithm and Evolutionary Programming Techniques*, **Geophysical Journal International**, Blackwell Science Ltd., Vol. 138, No. 1, pp. 108-124. [Impact Factor: 2.435]
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