

## Publication

<p>Dr. Paresh Nath Singha Roy Associate Professor Date of Birth: 7<sup>th</sup> November 1975 E mail: pns_may1@yahoo.com pnsmay1@gmail.com Phone: +91-326-223 5469(O) Mobile: 9431122600 FAX : +91 326 229 6563 Qualification: PhD in Geophysics</p>
--

## List of Publications

### In Referred Journal

- Paper entitled “Fractal Dimensions of Blocks Using A Box Counting Technique for the 2001 Bhuj earthquake, Gujarat, India” By Avadh Ram and P.N.S.Roy in **Pure and Applied Geophysics (PAGEOPH) Journal,(2005), 162, 531-548.**
- Paper entitled “A Correlation Integral Approach to Understand the Cause of January 26, 2001 Bhuj earthquake, Gujarat, India” By P.N.S.Roy and Avadh Ram in **Journal of Geodynamics (2006), 41, 385-399.**
- Paper entitled “Multifractal analysis of earthquakes in the southeastern Iran-Bam region,” By P.N.S.Roy and Ami Padhi in **Pure and Applied Geophysics (PAGEOPH) Journal,(2007), 167, 2271-2290.**
- Paper entitled “Precursory correlation dimensions for three great earthquakes” By P.N.S.Roy and Sankar K. Nath in **Current Science (2007), 93(11), 1522-1529.**
- Paper entitled “Fractal nature of earthquake occurrence in northwest Himalayan Region” By P.N.S.Roy and Saroj K. Mondal in **J. Ind. Geophys. Union ( April 2009 ),13( 2), 63-68.**

### In Symposia/Workshop/Seminar Volume

- Paper entitled “Identification of Seismicity Pattern for Some Destructive Earthquakes” by P.N.S.Roy & S. K. Mondal” in the proceedings of **AGU Chapman Conference** on “Complexity and extreme events in Geosciences” held in Hyderabad, during 15-19 February, 2010.
- Paper entitled “Multifractal perspective of the active seismicity in Northwest Himalayan Region” by P.N.S.Roy & S. K. Mondal” in the proceedings of 5<sup>th</sup> International Conference on Fractals and Dynamic Systems in Geoscience held at **Townsville, Australia**, during 13<sup>th</sup> August’09 – 14<sup>th</sup> August’09.
- Paper entitled “Study of Fractal Geometry With Reference To The Tectonics Of Kachchh Region in Gujarat,India” in the proceedings of International Workshop on “Earth System processes Related To

Gujarat Earthquake Using Space Technology” held at I.I.T, Kanpur, India during January 27 – January 29, 2003.

- Paper entitled “ Analysis of Bhuj earthquake of January 26, 2001 Using Fractal Statistics” in the proceedings of International Conference on “ Managing Seismic Risk in Developing Countries (MSRDC – 2004)”, 2004 held at Disaster Management Institute, Bhopal, India, during 17<sup>th</sup> – 19<sup>th</sup> March, 2004.
- Paper entitled “Spatio-temporal seismicity pattern in the Hindu Kush,Pamir and Karakorum region prior to October 8, 005 Muuzaffarabad earthquake” :Extended Abstract, by P. N. S. roy and V. K. Srivastava,National Seminar MTGST, ISMU, Dhnabad,44-49, during 12<sup>th</sup> – 14<sup>th</sup> November,2007.
- Paper entitled “Identification of clustering pattern of seismicity around the vicinity of West Nepal” by Roy. P. N. S. and Mondal. S. K., Proc. National workshop on Seismogenesis to PREdiction of earthquakes: Himalaya and Indian Shield Perspectives [SPRED 2009] held during Oct 22-24,2009. at Wadia Institute of Himalayan Geology, Dehradun.
- Paper entitled “Seismic Hazard assessment of Kumaun Himalayan Region using Fractal dimension of the past Earthquake sequence”, by P.N.S.Roy and S.K.Mondal held during , 4-6 November 2009, 2nd India Disaster Management Congress ,Vigyan Bhavan, New Delhi.
- Paper entitled “A fractal perspective toward understanding the precursory phenomena leading to the 12th May, 2008 Sichuan earthquake” by Vibhu Gautam, P. N. S. Roy and Saroj K Mondal: National Seminar on “Recent Advances in theoretical and Applied Seismology”, Department of Applied Mathematics, March 27-28, 2009, ISMU, Dhnabad,Pg. 1.
- Paper entitled “Development of convolution model for multiple generations and corresponding filter design for its removal” by P. N. S. Roy and Hari Om Singh.: National Seminar on “Drills & Drilling-An update”, Department of Mechanical Engg. & Mining Machinery Engg., Sept. 23-24, 2010, ISM, Dhnabad,Pg. 177.

#### Seminar Delivered /Poster Presented

- A paper entitled “Identification of Seismicity Pattern for Some Destructive Earthquakes”presented at **AGU Chapman Conference on “Complexity and extreme events in Geosciences”** held in Hyderabad, during 15-19 February, 2010.
- A paper entitled “Multifractal perspective of the active seismicity in Northwest Himalayan Region” presented at **5<sup>th</sup> International Conference on Fractals and Dynamic Systems in Geoscience** held at Townsville, Australia, during 13<sup>th</sup> August’09 – 14<sup>th</sup> August’09.
- Poster entitled “Application of fractals and chaotic dynamics for January 26, 2001 Bhuj earthquake” presented at **Eight International Workshop on “Non-linear Dynamics and Earthquake**

**Prediction”** held at The Abdus Salam International Centre for Theoretical Physics, Trieste, Italy during October 3 - 15, 2005.

- A paper entitled “Fractal Analysis of Bhuj Earthquake of January 26, 2001” presented at **International Conference of Asian Seismological Commission** held at Yerevan, Armenia during October 18 – October 21, 2004.
- A paper entitled “ Analysis of Bhuj earthquake of January 26, 2001 Using Fractal Statistics” presented at **International Conference** on “ Managing Seismic Risk in Developing Countries (MSRDC – 2004)”, 2004 held at Disaster Management Institute, Bhopal, India, during 17<sup>th</sup> – 19<sup>th</sup> March, 2004.
- Presented a paper entitled “Study of Fractal Geometry With Reference To The Tectonics Of Kachchh Region in Gujarat,India” at **International Workshop** on “Earth System processes Related To Gujarat Earthquake Using Space Technology” held at I.I.T, Kanpur, India during January 27 – January 29, 2003.
- Presented a paper entitled “Role of Fractals in Assessing the Vulnerability of Fault Regions” by Avadh Ram & P.N.S.Roy at **Workshop** on “Recent Earthquakes of Chamoli and Bhuj” held at Department of Earthquake Engineering, University of Roorkee, Roorkee during May 24-26, 2001.
- Presented a paper entitled “Spatio-temporal seismicity pattern in the Hindu Kush,Pamir and Karakorum region prior to October 8, 005 Muuzaffarabad earthquake” :Extended Abstract, by P. N. S. Roy and V. K. Srivastava,National Seminar MTGST, ISMU, Dhnabad,44-49, during 12<sup>th</sup> – 14<sup>th</sup> November,2007.
- Presented a paper entitled “A fractal perspective toward understanding the precursory phenomena leading to the 12<sup>th</sup> May, 2008 Sichuan earthquake” : Abstract, by Gautam, Vibhu, Roy, P. N. S., and Mondal, Saroj K., National Seminar “Recent Advances in theoretical and Applied Seismology”, Department of Applied Mathematics, March 27-28, 2009, ISMU, Dhnabad,Pg. 1.

Dated:29:09.2010



(P.N.Singha Roy)  
Associate Professor, AGP,ISM