List of publications

SCI Journals:

• Authors: Rajat K. Dey and Sandip Dam
  Title: *Slope of the lateral density function of extensive air showers around the knee region as an indicator of shower age.*

• Authors: Rajat K. Dey and Sandip Dam
  Title: *A proposed method for measurement of cosmic-ray mass composition based on geomagnetic spectroscopy.*

• Authors: Rajat K. Dey, Sandip Dam and Sabyasachi Ray
  Title: *Imprint of the atmospheric attenuation process on electron distribution in EAS.*

• Authors: Rajat K. Dey, Sandip Dam, Animesh Basak, Sabyasachi Ray, P Chattapadhyay
  Title: *Determination of the mass and energy of primary cosmic rays above 100 TeV.*

• Authors: Sandip Dam and Rajat K. Dey
  Title:A novel approach for deducing the mass composition of cosmic rays from lateral densities of EAS particles.
  Journal: (Revision submitted)

International Book Chapters:

• Authors: Sandip Dam, Rajat K. Dey and Arunava Bhadra
  Title: *Simulation Studies on Distortion of EAS Muons by the Earth’s Magnetic Field.*

• Authors: Rajat K. Dey, Sandip Dam, Manabindu Das and Sabyasachi Roy
  Title: *Estimation of Shape Parameter of the Radial Distribution of Cosmic Ray Shower Particles.*
  Publisher: Advances in Intelligent Systems and Computing (Springer) 433 (2016).

National Conference Proceedings:

• Authors: Sandip Dam and Rajat K. Dey
  Title: *Cosmic Ray Mass Composition Estimated from the Geomagnetic Effect on EAS Muons.*
• Authors: Rajat K. Dey, Sandip Dam and Sabyasachi Ray
Title: Slope of the radial distribution of secondary muons and hadrons in EAS at PeV energy.

Publications not a part of this Thesis -
• Authors: Rajat K. Dey, Sabyasachi Ray and Sandip Dam
Title: Searching for PeV neutrinos from photomeson interactions in magnetars.

National Conference Proceedings:

• Authors: Sandip Dam and Rajat K Dey
Title: Emission of PeV neutrinos from magnetars.