

RESEARCH PROJECTS:

1. *Monitoring of Geochemical precursory signals for seismic events w e f August -2005. DST Govt. of India.*

This Project was funded by DST, Govt. of India in year 2005 for three years. In year 2008 the project was extended for two more years i.e. for years 2009, 2010. Later the project was sanctioned once again by Ministry of Earth sciences Govt. of India from Dec. -2010 for next three years. **Dr Waseem Bari and Dr Naseer Iqbal** from Department of Physics were both the Co-Investigators of the project. Prof. Bikash Sinha of SINP Kolkata was the main Principal Investigator of the project. Prof Prasenta Sen of SINP Kolkata is one of the Co-Principal Investigator. The total funding of the project was about **1.07 crores** out of which about 25% of the amount was utilized in completing the project.

2. *Archaeoastronomy in Indian context w e f December 2007. Jamsheetji Tata Trust Mumbai funding agency.*

This was also a collaborative project between Department of Astronomy and Astrophysics TIFR Mumbai and the Department of Physics University of Kashmir Srinagar. **Dr Naseer Iqbal** was the Coordinator of this project. The project got sanctioned by Jeamsheetji Tata Trust Mumbai in year 2007 and got extended in year 2010. The total cost of the project is about **(30) thirty lakhs**. The project got completed in year 2012.

3. *Study of correlated Ultra-violet and X-ray emission from X-ray Binaries. Indian Space Research organization (ISRO) funding agency India.*

This project was sanctioned to me by Indian Space Research Organization (ISRO) for three years on June 14, 2011 and was then extended by one year more. The total funding in the project was Rs/ 24 lakhs (Twenty four lakhs only). Project got completed in Year 2016 with good research findings.

4. *Effect of Very High Energy Emission (VHE) in Universe. Indian Space Research organization (ISRO) funding agency India.*

This project has been sanctioned to me by Indian Space Research Organization (ISRO) for three years in September 2014. The total funding in the project is Rs/ 14.62 lakhs (Fourteen lakhs, and sixty two thousand only). This Project got completed in year 2017 with good research findings.

5. *Entropy and Phase Diagram of Universe. Research Sector Kuwait University.*

This project was sanctioned by the Research Sector, Kuwait last year in April, 2015 for an year which was then extended for next six months. The total funding in the project was 2500 KD. Dr Naseer Iqbal of Kashmir University and Dr Nasser Demir of Kuwait University are the two Investigators of the project. This project has also got completed in year 2017.

6. *Multi-wavelength studies of Rich and Poor galaxy clusters.*

This project has been sanctioned by ISRO RESPOND, Department of Space, Govt. of India in March, 2018. The total funding is around Rs/ 16 lakhs and will be completed by March, 2021.

My Field of Research:

1. Large Scale Structure of Universe
2. X Ray Astronomy
3. High Energy Astrophysics (Blazars / AGN's)
4. Archaeo-astronomy (History of Astronomy)