Murshidabad University

FACULTY ACADEMIC PROFILE/ CV

Full name of the faculty member: **DR. Krishnakali Basu(Roy)**

Designation: **Associate Professor**

Contact information:

Phone:**8768939666**

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Academic qualifications:

College/University from which the degree was obtained	Abbreviation of the degree
Krishnath College	B.Sc. (Cal. Univ.)
Rajabajar Science College(Cal. Univ.)	M.Sc.
Calcutta University	PhD

Positions held/ holding:

1. Former Co-ordinator of Physics Department at Murshidabad University.
2. Convenor of Syllabus Committee of Murshidabad University.
3. Former HOD of Physics Department at Krishnath College.
4. Former G.B member of Krishnath College

Research Interests:

Studies on Ionosphere by receiving signals from satellites.

Research guidance:

NIL

Projects:

1. Co-PI of a **major** project "Electrodynamical control over ionization processes near the northern crest of the equatorial ionization anomaly and beyond" funded by DST during (2010-2013).
2. Co-PI of a **major** project " Longitudinal and latitudinal variability of GNSS scintillations in the equatorial anomaly of the Indian zone" funded by DST during (2014-2017).

Select list of publications (Only number):

a) Journals: **5**
b) Books/ book chapters: **NIL**
c) Conference/ seminar volumes: **3**

Membership of Learned Societies: NIL

Invited lecture delivered: 1

Awards:

NIL

Other notable activities:

1. Acted as Judge in the District Level Science Exhibition.

2. Acted as Hon'ble Judge of District Student Science Seminer Murshidabad on the topic " CHANDRAYAN ; promises and concerns".

List of Journal Publication/ Conference Papers: (Last ten years)

1. Characteristics of equatorial ionization anomaly (EIA) in relation to transionospheric satellite links around the northern crest in Indian longitude sector; A.Das, K.S.Paul, S.Halder, **K.Basu** and A.Paul Ann. Geophys., 32, page:(91-97); 2014.

2. A study on the variability of equatorial scintillation around the anomaly crest of the Indian zone.(page-164); National Space Science Symposium proceeding ,pp164; 2012

3. Summertime amplitude scintillation around the equatorial anomaly crest. (page-165); National Space Science Symposium proceedings ,pp 165; 2012

4. Regional variabily of TEC and scintillation under the superstorm event of March,2015; National Space Science Symposium -2016,VSSC.