

Name: Sabyasachi

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Introduce yourself in a brief paragraph:

I am working in the field of radio astronomy and astronomy and astrophysics in general.

I am involved in different very interesting projects some of which are listed below:

1. Search for transient radio sources: I am searching for fast and slow transient radio sources using GMRT (India) and VLA (USA). Radio transients are believed to form a new class of sources and I am (along with my collaborators) already succeeded to discover some of the transient sources with unique properties. We are also preparing to extend the project with upcoming radio telescope like ASKAP, MWA and SKA.
2. Galactic plane survey: I am one of the PI to make an ongoing survey of our Galactic plane using GMRT in 335 MHz. This survey, when completed, will give us much more information about our own galaxies.
3. Multi-wavelength observation of Galactic black-hole candidates: I am observing different galactic black hole candidates using different ground-based and space based instruments. We are trying to understand what is going on close to different black holes.
4. Deep field observation in very low frequency: We are making a survey using GMRT to search for high redshift galaxies.