

## Short cv



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**Education:** Ph. D. from Saha Institute of Nuclear Physics, Calcutta  
**Publication:** RG score 32.57, h-index 9, i10-index 8; Journal Publication >100,  
citations 530,

### Research interest

#### **Tokamak:**

Radio frequency heating and current drive, disruption control and mitigation experiment, runaway electron extraction experiment, high power electron Bernstein wave heating experiment, ECRH preionization and heating experiment, LH coupling study on ADITYA tokamak, ICRH coupling study on ADITYA tokamak.

#### **Experiments on linear plasma devices:**

Helicon plasma, dusty plasma, nonneutral plasma, linear magnetized plasma for nonlinear wave study (parametric instability, wave breaking and phase mixing), plasma thruster, plasma antenna, magnetic reconnection and glow discharge plasma (chaos study).

#### **Plasma diagnostics:**

Various kind of electrical and magnetic probes, microwave diagnostics, visible spectroscopy, PIV, LIF, CdZTe and surface barrier diode detectors, etc.

### Professional Experiences

- Leader, Aditya Tokamak (2006-2012)
- Head, Basic Plasma Experiment Group (2012 onward)
- President of Plasma Science Society of India (2016 onward)
- Member of Plasma & Fusion Research Committee (PFRC) of Board of Research in Nuclear Science (BRNS), Various dissertation committees, Referee of various journals