



**Jayashree Bulusu**

**INDIA**

**Affiliation:** Indian Institute of Geomagnetism, Navi Mumbai, India

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**Employment:**

06/2021 – present      Reader, Indian Institute of Geomagnetism, India  
02/2018 – 05/2021      Project Scientist as DST-Inspire Faculty, CSIR-NGRI, India  
04/2017 – 01/2018      Post-Doctoral Fellow in DST SERB, CSIR-NGRI, India  
04/2016 – 03/2017      Senior project Fellow, CSIR-NGRI, India

**Education:**

2017, Doctorate of Philosophy (Awarded): Studies of Temporal and Spatial Structures of Ultra-low-frequency (ULF) Waves in Earth's Magnetosphere. Supervisor: Dr. AK Sinha, Upper Atmospheric Sciences Division, Indian Institute of Geomagnetism, India  
2008, M.Sc. in Space Physics, Andhra University, India  
2005, B.Sc. in Physics, SSIHL, Deemed University, India.

**Research Interests:**

Ultra-Low-Frequency waves in the Earth's magnetosphere: Theoretical modelling and observation, Ionosphere-magnetosphere coupling studies.

Some salient features of her research are

- Theoretical modelling for ULF waves in Earth's magnetosphere
- Application of the developed model to probe different regions of magnetosphere
- Observation and modelling of geomagnetic pulsations associated with auroral substorms, EMIC waves in different geomagnetic conditions
- Coupling of Magnetosphere-ionosphere system in translation of energy

**Scientific Achievements:**

1. **Young scientist Award** at 2nd FIGA Triennial convention held at CSIR-NGRI during 13-16 October 2019
2. **Invited Presentation** at theme-based discussion on Venusian ionosphere, Solar wind interaction by SPL and ISRO HQ on 26 April 2023
3. Chair for **ULF Working Group of Division III**, IAGA
4. Selected as **Co-chair IAGA-ICEO** and **GIFT workshop** (Geosciences information for Teachers) at IAGA-IASPEI, 2021 at Hyderabad, India
5. Member of ISSI project
6. IUGG Early career Scientist award 2023

**Publications:**

15 refereed, SCI-indexed articles in scientific journals including JGR, Earth, Planet and Space, Natural Hazards, Advances in Space research, Journal of Atmospheric and solar terrestrial physics etc.

63 citations

**Early Career Scientist Award (2023)**

of the International Union of Geodesy and Geophysics (IUGG)

<http://iugg.org/>

