



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/>

