



Michael Madhusudan Dutta College

Sabroom, South Tripura
Tripura – 799 145

Name: ARUP PATARI

Designation: Assistant Professor

Educational Qualification: MSc, NET (AIR-05), MPhil., BEd.

Experience: 12 years as Assistant Professor in Physics.

Research Interest: Atmospheric and Space Sciences
(Ionospheric and Solar Physics).



Research Project:

Supervised a short research project titled as “A Comparative Ecological Study Between Rubber Plantation and Natural Vegetation” (Environmental Studies) which was presented in state level competition organized by Tripura State Council for Science & Technology, Govt. of Tripura.

Research Publication:

1. Patari, A., De, B.K., Guha, A., Paul, B., (2019): Conjugate hemispheric response of Earth's ionosphere due to geomagnetic storms occurred during two equinox periods. Journal of Physics., IOP, Conf. Ser. 1330, 012004 (2019a)
2. Paul, B., Patari, A., De, B.K., Guha, A., (2019): Response of the Earth's equatorial ionosphere during the severe G4-class geomagnetic storm of 8th September 2017, Journal of Physics., IOP, Conf. Ser. 1330, 012005 (2019b)
3. Patari, A., Guha, A., (2021): Statistics of GPS TEC at the northern EIA crest region of the Indian subcontinent during the solar cycle 24 (2013-2018): comparison with IRI-2016 and IRI-2012 models, Astrophys. Space Sci., 366:46 <https://doi.org/10.1007/s10509-021-03950-6>.
4. Patari, A., Guha, A., (2022): Influence of The Remote Celestial Event Like Gamma Ray Bursts GRB 190114C and GRB 110918A on The Total Electron Content of The Earth's Ionosphere: A Case Study, International Journal of Engineering Research & Technology.(IJERT), ISSN: 2278-0181 Published by, www.ijert.org PANE – 2021, Conf. Proc.
5. Patari, A., Guha, A., (2023): Comparative study on the effects of CME and CIR-induced geomagnetic storms on the ionosphere of northern and southern hemispheric regions during the different phases of solar cycle 24, Advances in Space Research, <https://doi.org/10.1016/j.asr.2023.02.010>

Invited Lecture:

Acted as invited lecturer in different awareness programs in some local Institutes and social organisations/NGOs,.

State/National/International level Conference/Seminar/Training organized:

1. Coordinator, Webinar cum awareness program on Intellectual Property Rights (IPRs), organized by Michael Madhusudan Dutta College, Sabroon in collaboration with the Patent Office, Kolkata under NIPAM -2.0, dated 03/02/2023.

State/National/International level Conference/Seminar/Training attended:

1. Presented a paper in the Xi Biennial National Conference, 2018 Titled As “Conjugate hemispheric response of Earth’s Ionosphere due to geomagnetic storms occurred during two equinox periods” organised by Physics Academy of North East (PANE)
2. Presented a paper in the 20th National Space Science Symposium, 2019 titled as “Anomalous Nighttime Ionospheric Scintillation of March 2014: A study of a northern EIA crest region of the Indian Subcontinent” Organised by Savitribai Phule Pune University (SPPU) Inter-University Centre for Astronomy and Astrophysics (IUCAA) National Centre for Radio Astrophysics (NCRA) Pune
3. Presented a paper in the 15th quadrennial solar terrestrial physics symposium (stp-15) titled as "Modulation of cosmic ray and the effect on the earth’s ionosphere during the disturbed solar atmosphere of August 2018 - A case study." in the Organised by Indian Institute of Geomagnetism, Mumbai.
4. Presented a paper in the XI BIENNIAL NATIONAL CONFERENCE, 2021 titled as “Influence of The Remote Celestial Event Like Gamma Ray Bursts GRB 190114C and GRB 110918A on The Total Electron Content of The Earth’s Ionosphere: A Case Study” Organised by PHYSICS ACADEMY OF NORTH EAST (PANE)
5. Attended Orientation Programme organised by Jadavpur University and UGC, 2015
6. Attended Refresher Programme in Physics organised by Tripura University and Indian National Science Academy, 2017
7. Attended Faculty Development Programme in Physics organised by Tripura University and AICTE Training And Learning (ATAL) Academy , 2022

Others: