**BIO DATA**

1. **Name -** Mrs. Hemlata Dharmashaktu
2. **Father’s Name –** Sri Dayan Singh
3. **Educational Qualification-** M.Sc. (Physics), CSIR NET/JRF
4. **Title of the Thesis (pursuing) –** TO STUDY THE GEOEFFECTIVENESS OF CORONAL MASS EJECTIONS (CMEs) AND RELATED SOLAR FEATURES ON

SPACE WEATHER

1. **Present Designation-** Assistant Professor
2. **Address of the college –** Indira Priyadarshini Govt.Girls Post Graduate College of

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4. **Teaching Experience –**

* UG - 21 year
* PG - 11 year

1. **Research Experience-** 5 year
2. **Research Area-** Astro Physics
3. **Conference/Seminars/ Training Programmes and Workshops:**

* Paper entitled ‘Future cities: Concepts of renewable energy resources’ presented in National Seminar on ‘Smart cities: Astried to improve citizen’s quality of life Smart cities’ (8 Sep. 2017) organized by V.R.A.L. Rajkiya Mahila Mahavidyalaya, Bareilley (UP).
* Paper entitled ‘Impact of coronal mass ejection on space weather’ presented in National Seminar on ‘Advances in mathematics and its applications’ (17-18 March 2018) organized by Department of Mathematics, MB Govt. P.G. College, Haldwani.
* Paper entitled ‘The shape of environmental health in urban human territory in context of compulsive adoption of globalization’ presented in National Seminar on ‘Socio- economic and environmental dimensions of globalization: issues, opportunities and challenges’ (30-31 March 2019) organized by G.P.G.C. Ramnagar, Nainital.
* Participation in Short Term Course on ‘Climate Change’ (29Aug-4 Sep 2019) organized by UGC-HRDC Kumaun University Nainital.
* Paper entitled ‘Effect of solar activity on earth’s climate change’ presented in National Seminar on ‘Environmental sensitivity (with special reference to Uttarakhand)’ (2 Sep 2019) organized by UPSA and UGC, HRDC Kumaun University Nainital.
* Paper entitled ‘E-waste: Challenges to our ecosystem of Himalayan region in special reference to Uttarakhand’ presented in National Seminar on ‘Challenges to ecosystem and environment towards sustainable development’(22 Sep 2019) organized by G.P.G.C. Bilaspur, Rampur.
* Paper entitled ‘Role of ICT in higher education in contemporary era’ presented in National Seminar on ‘Progression and innovation in higher education’ (16 Nov. 2019) organized by MB Govt. P.G. College, Haldwani, Nainital.
* Paper entitled ‘Gandhi’s scientific approach towards the sustainable development of society’ presented in National Seminar on ‘Relevance of Mahatma Gandhi in present global perspective’ (17-18 Nov 2019) organized by L.S.M. G.P.G.C. Pithoragarh.
* Paper entitled ‘Statistical Analysis of solar activities during Solar cycle 23 and 24’ presented in International E-conference on ‘Recent advances in physics: A promise to society’ (24-25 June 2020) organized by Department of Physics, G.P.G.C. Bajpur.
* Participation in Online Short-Term Course on ‘E Content Development’ (11-17 June 2020) organized by UGC-HRDC Gujrat University, Ahmedabad.
* Participation in ‘Remote sensing and GIS technology and applications for university teachers and government officials’ (13 Jun-1Jul 2020) organized by ‘Indian institute of remote sensing (IIRS), ISRO Dehradun’.
* Participation in One Week Pedagogical Training for ‘Teachers on Tools for Online Teaching Learning and Evaluation’ (1-6 July 2020) organized by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded.
* Participation in One week FDP on (Nano science and Nano Technology: Current Perspective) (27Jul-1Aug 2020) organized by Department of Physics & Department of Mechanical Engineering G. H. Raisoni College of Engineering, Nagpur.
* Participation in Refresher Course on ‘ICT/MOOCs’ (15-28 Feb 2021) organized by UGC-HRDC Savitribai Phule, Pune University.
* Poster entitled ‘Statistical Analysis of solar activities during descending phase of Solar cycle 23 and 24’ International conference on ‘Recent Advances in Material Science’ (15-17 May 2021) organized by USERC Dehradun, H.N.B.Garhwal University, Srinagar and G.D.C.Maldevta, Raipur.

1. **Research Publication:**

* H. Dharmashaktu, N.K. Lohani **‘**The Statistical Analysis of Characteristics of Coronal Mass Ejection During the Descending Phase of Solar Cycle 23 and 24’, ‘JOURNAL OF MOUNTAIN RESEARCH’ (61-69) P-ISSN: 0974-3030, E-ISSN:2582-5011.