

## CURRICULUM VITAE



**NAME** : **Dr. Hema**  
**DESIGNATION** : **Assistant Professor**  
**DEPARTMENT** : **Physics**  
**SPECIALIZATION** : **Solar Physics**  
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**BLOOD GROUP** : **O+**

### **QUALIFICATION DETAILS**

S.NO.	QUALIFICATION	NAME OF UNIVERSITY	PASSING YEAR
1	PHD	Kumaun University, Nainital	2018
2	M.Sc. / M.A.	Kumaun University, Nainital	2013
3	B.Sc. / B.A.	Kumaun University, Nainital	2011

### **POSITIONS HELD**

S.NO.	EMPLOYER	DESIGNATION	DATE FROM	DATE TO
1	M.L.K.P.G. College, Balrampur, U.P.	Assistant Professor	16/08/2022	present
2	Indian Institute of Astrophysics, Bangalore	Post-Doctoral Fellow	21/01/2022	10/08/2022
3	Udaipur Solar Observatory, Physical Research Laboratory, Udaipur	Post-Doctoral Fellow	03/07/2019	27/08/2021
4.	M.B.G.P.G.College, Haldwani, Uttarakhand	Assistant Professor (Guest)	08/12/2017	22/06/2019

## ACADEMIC DETAILS

### Significant Publications and Articles

S.NO.	TITLE	JOURNAL	VOLUME / ISSUE	YEAR
1	A Transient Coronal Sigmoid in Active Region NOAA 11909: Build-up Phase, M-class Eruptive Flare, and Associated Fast Coronal Mass Ejection	Solar Physics	296	2021
2	Radio-loud and radio-quiet CMEs: solar cycle dependency, influence on cosmic ray intensity, and geo-effectiveness	Astrophysics and Space Science	366	2021
3	Association of solar flares with coronal mass ejections accompanied by Deca-Hectometric type II radio burst for two solar cycles 23 and 24	Astrophysics and Space Science	363	2018
4	Study of large solar energetic particle events with halo coronal mass ejections and their associated solar flares	New Astronomy	53	2017
5	Study of cosmic ray intensity and geomagnetic storms with solar wind parameters during the period 1998–2005	Astrophysics and Space Science	362	2017
6	Association Between the Solar Wind Speed, Interplanetary Magnetic Field and the Cosmic Ray Intensity for Solar Cycles 23 and 24	Journal of Astrophysics and Astronomy	65	2017
7	Study of Cosmic Ray Intensity in Relation to the Interplanetary Magnetic Field and Geomagnetic Storms for Solar Cycle 23	Solar Physics	291	2016

### Conferences, Seminars, Workshops & Talks

S.NO.	DETAILS	YEAR
1	Contributory Talk at VELC/Aditya-L1 Science Workshop held in the Kodaikanal Solar Observatory (KSO) of the Indian Institute of Astrophysics (IIA)	2022
2	Attended virtual Pencil Code User Meeting organized by Indian Institute of	2022

	Astrophysics	
3	Oral presentation in the International Conference on Space Science and Technology (ICSST-2021) organised by Space Education and Research Foundation (SERF), Ahmedabad, Gujrat	2021
4	Poster presentation in the international conference entitled “Advances in Observation and Modelling of Solar Magnetism and Variability” organised by Indian Institute of Astrophysics (IIA), Bangalore, India	2021
5	Poster presentation in the Astronomical Society of India (ASI) meeting, hosted jointly by ICTS-TIFR Bengaluru, IISER Mohali, IIT Indore and IUCAA Pune	2021
6	Poster presentation in the Interface Region Imaging Spectrograph (IRIS) meeting held at Bangalore	2019
7	Oral presentation in the symposium on Advances in Physics from small to large scales (APSL-2019), organised by Department of Physics, Kumaun University, Nainital	2019
8	Participated in the International Conference on Space and Plasma Science, held at Govt. Vivekanand P. G. College, Maihar (Satna), M. P. India	2015
9	Poster presentation in the National Seminar on Recent Development in Physics and Prosperity in Solar Physics-Space Science, held at M. B. Govt. P. G. College, Haldwani (Nainital), India	2014
10	Attended the National Programme on Technology Enhanced Learning (NPTEL) workshop, held at Amrapali institute, Haldwani	2014
11	Attended the workshop The Physics and Mathematics of the Universe, held at Gurukul Kangri Vishwavidyalaya, Haridwar	2013
12	Attended National conference on recent trends in interdisciplinary research and astrophysics and space science, held at M. B. Govt. P. G. College, Haldwani (Nainital), Uttarakhand	2012

### **Awards & Recognitions**

S.NO.	NAME OF AWARDS	YEAR
1	Awarded with second prize for oral presentation in ‘International Conference on Space Science and Technology (ICSST-2021)’ organised by Space Education and Research Foundation (SERF), Ahmedabad, Gujrat, India	2021
2	Qualified National eligibility test (NET, June–2017) conducted by Council of Scientific & Industrial Research (CSIR), India	2017
3	Qualified State Level Eligibility Test (SLET–2017) of Uttarakhand state for lectureship	2017
4	Qualified National Graduate Aptitude Test in Engineering (GATE– 2017) in Physics	2017

### **Academic / Administrative Services to the College / University**

S.NO.	DETAILS
1	Worked as a counsellor of students of Uttarakhand Open University (UOU), Haldwani, Nainital (2017-2019)
2	Worked as a project fellow in the Major research Project MRP No. F.42-825/2013(SR) of University Grant Commission (UGC), New Delhi (2015-2017).