RESUME

Dr. O. P. Tripathi
EWS - 244, Bharhut Nagar, Satna (MP)

Email: omkar8415@gmail.com
Contact No.: +91 9303628907

Career Objective :

To inspire and educate students in the field of Physical Sciences, providing them with innovative and challenging insights into our surroundings. My goal is to contribute significantly to the academic community while advancing research in space physics.

Academic Qualification :

Examination	College	University	Year	% Marks
Ph.D. (Space Physics)	Govt. P.G.College, Satna	APS University, Rewa	2014	---
M.Sc. (Physics)	Govt. P.G.College, Satna	APS University, Rewa	2006	75.08
B.Sc. (Math, Physics, Computer)	Rajiv Gandhi College, Satna	APS University, Rewa	2004	64.5
Higher Secondary (PCM)	Saraswati Higher Secondary School, Satna	M.P. Board, Bhopal	2001	63.5
High School	Saraswati Higher Secondary School, Satna	M.P. Board, Bhopal	1999	70.2

Professional Qualification :

- GNIIT (Software Engineering) from South Extension New Delhi.
- One year Diploma from New Capital Computer Satna (M.P.).

Teaching Experience : 16 Years

Designation	Institute	University	Duration

Asst. Professor	AKS University, Satna	AKS University, Satna	9th Feb 2015- continue
Asst. Professor	Millennium Institute of Technology Bhopal	R.G.P.V. Bhopal	1st Oct 2011-8th Feb 2015
Lecturer	V.I.T.S. Satna & Raipur	R.G.P.V. Bhopal C.S.V.T.U. Bhilai	26th Oct 2009-30th September 2011

Extra Curricular Activities :

- Member of International Conference on Space and Plasma Science (ICSPS-2015).
- Member of Editorial Board in Asian Journal of Science and Innovative Research (AJSIR).
- Member of scientific and technical committee & Editorial review Board on physical and mathematical sciences in world academy of science, engineering and technology (WASET).
- Class representative during M.Sc. Degree (2005-2006).
- Member of NSS during M.Sc. Degree (2005-2006).

Research Work :

Ph.D. Awarded: 01
Research Article/Paper/ Book Chapter: 17
Conference/Seminar/Webinar/Workshop: 15

Research Interests :

My research interests focus on Space Physics, with a particular emphasis on understanding Geomagnetic Storms and the dynamics of Solar Wind Plasma. I am also deeply interested in studying Coronal Mass Ejections and their interaction with the Earth's Magnetic Field, as well as exploring how Solar Activity influences these phenomena.

Strength :

My strengths include honesty, punctuality, and adaptability, which enable me to effectively contribute in any environment.

Personal Information :

Name:	Dr. Omkar Prasad Tripathi
Father's Name:	Shri Mudrika Prasad Tripathi
Mother' Name:	Smt. Shakuntala Tripathi
Date of Birth:	15th Aug. 1984
Marital Status:	Married
Language Known:	Hindi & English
Nationality:	Indian
Permanent Address:	EWS - 244, Bharhut Nagar, Satna (MP) 485001

Hobbies: Watching video lectures, Reading books

Declaration:

I hereby declare that all the statements made in this resume are true and complete to the best of my knowledge.

Date: 10/01/2025
Place: Satna

(Dr. O. P. Tripathi)

Enclosure: **List of publication**

List of publication

Published Papers in Journals

1. Geomagnetic Field Disturbances with Solar Features and Solar Wind Plasma Parameters During The Period of 2009-2012,(Omkar Prasad Tripathi and P.L.Verma), Pages:47-49, IJAR, Volume:3|Issue:5|May 2013|ISSN:2249-555X.
2. Solar Features and Solar Wind Plasma Parameters with Geomagnetic Storms During The Period of 2002-2006, (Omkar Prasad Tripathi and P.L.Verma), Pages: 50-53, IJAR, Volume:3|Issue:5|May 2013|ISSN:2249-555X.
3. Statistical Influences of Sun Spot Numbers and Solar Radio Fluxes on Geomagnetic Field during the period 1986-2008, (Omkar Prasad Tripathi and P.L.Verma), Pages: 412-416, IJSR, Volume: 2|Issue:7|July 2013| ISSN: 2319-7064(online).
4. Geomagnetic Field Disturbances With CMEs and Average IMF During Solar Cycle 23, (Omkar Prasad Tripathi, P.L.Verma And Kalpana Singh), Pages: 204-210, AARA, Volume:1|Issue:16|December 2013|ISSN:2319-2801(online).
5. Symmetric Cosmic Ray Intensity Decreases In Relation With Coronal Mass Ejections And Disturbances In Solar Wind Plasma Parameters, (P.L.Verma, Omkar Tripathi, Ashok Kumar Vishwkarma) Journal of Physics: Conference Series 511 012058, IOP Publishing 2014, ISSN:1742-6596.
6. Association of Geomagnetic Storms with Coronal Mass Ejections during 1986-2012, (O.P.Tripathi, P.L.Verma), Pages: 194-198, Vindhya Research Journal, Volume: 1|Issue:2|2015| ISSN:2395-3993.
7. Statistical Relation Of Geomagnetic Activity Parameters With Solar Activity Parameters, (P.L.Verma and O. P. Tripathi), Pages: 115-120, International Journal of Innovative Research & Growth (IJIRG), Volume: 2|Issue:5|March-2016| ISSN:2455-1848.

8. Co-Relational Analysis of SWP Parameters with Geomagnetic Field Disturbances during Growing Stage of Solar Cycle 24, (Omkar Prasad Tripathi, Varinder Pandey and P.L.Verma), Pages:26-28, IJAR, Volume:9|Issue:6|June 2019|ISSN:2249-555X.
9. The Role of Solar Wind on Earth's Magnetic Field and Geomagnetic Field Variations of Morphology, (Rashmi Sharma, Omkar Prasad Tripathi, Brijesh Singh Chauhan and Satyaprakash Shukla), Pages:330-338, IJCRT, Volume:10|Issue:6|June 2022|ISSN:2320-2882.
10. The Solar Activities in Climate Change and Major Solar Geomagnetic Activities during Solar Cycle 24, (Rashmi Sharma, Omkar Prasad Tripathi, Brijesh Singh Chauhan and Satyaprakash Shukla), Pages:334-338, IJRES, Volume:10|Issue:6|June 2022|ISSN:2320-9364
11. Relationship between the extensive geomagnetic storms and occurrence of interplanetary irregularities during the period of the 23rd and 24th solar cycle, (Saket Kumar , O.P Tripathi , Rashmi Sharma and P.L. Verma), Pages:495-511, GIS Science Journal, Volume:10|Issue:1|2023|ISSN:1869-9391.
12. Statistical Analysis of the Most Prominent Geo-effective Coronal Mass Ejections Associated with Intense Geomagnetic Storms during Solar Cycle 24, (Saket Kumar, O. P. Tripathi, Rashmi Sharma and P. L. Verma), Pages:65-70, IAARJ, Volume:5|Issue:1|May 2023.
13. Association of Sunspot Number, Solar Radio Flux and Geomagnetic Storms during the Period of 2009-2019, (Rashmi Sharma, Omkar Prasad Tripathi, Ashish Dwivedi and Saket Kumar), page: 3188-3191, International Journal of Recent Scientific Research (IJRSR), Volume: 14|Issue:06(x)| June-2023| ISSN: 0976-3031.
14. Effect of strong geomagnetic storms and their association with solar wind plasma temperature and IMF during solar cycles 23 and 24, (Saket Kumar, O. P. Tripathi, Rashmi Sharma and P. L. Verma), Pages: 01-10, Journal of Physics: Conference Series. 2576 012015, doi:10.1088/1742-6596/2576/1/012015
15. Solar Plasma Structures and Solar Wind Plasma Turbulences in Relation with Geomagnetic Disturbances during Decline Phase of Solar Cycle 24 and Rising Phase of Solar Cycle 25, (Saket Kumar, Rashmi Sharma, O. P. Tripathi, and P. L. Verma), Pages:107-114, JSR, Volume:16|Issue:1|Jan 2024| ISSN: 2070-0245.
16. Behavior of Flare Related Geomagnetic Storms with Coronal Mass Ejections and Solar Wind Parameters During the period of 2014-2018; P.L. Verma, Shubha Singh Parihar, Anshu Gupta, Saket Kumar and O. P. Tripathi; IC-ASTSDGs during 11-12 march, 2024 Held At: AKS University, Satna (M.P.) India

17. Interplanetary Dynamics and Major Geomagnetic Storms: Unraveling the Climate Connection through Solar Wind Plasma and IMF Analysis (1996-2018); O. P. Tripathi, Saket Kumar, C.M. Tiwari and P.L. Verma; IC-ASTSDGs during 11-12 march, 2024 Held At: AKS University, Satna (M.P.) India

Seminar/Workshop/Conferences/Symposium

1. Symmetric Cosmic Ray Intensity Decreases In Relation With Coronal Mass Ejections And Disturbances In Solar Wind Plasma Parameters, (P.L.Verma, Omkar Tripathi, Ashok Kumar Vishwkarma) Page-237, 8-13 August 2010, Held At: Santiago Chile (Latin America).
2. Coronal Mass Ejections and Disturbances in Solar Wind Plasma Parameters Relation with Geomagnetic Disturbances, (P.L.Verma, J.D. Prajapati, Mateswari Prajapati, Omkar Tripathi and Preetam Singh) Page-127, National Seminar: 9-10 Oct. 2010, Held At: Satna (M.P.).
3. Correlative Study of Weak Geomagnetic Storms and Their Relation with Interplanetary Magnetic Field, (O.P.Tripathi, P.L.Verma, A.K.Tripathi) Page-2, National Seminar: 9-10 Feb. 2013, Held At: Rewa (M.P.).
4. Correlative Study Of Geomagnetic Storms With Magnitude Of Interplanetary Magnetic Field And Magnitude Of Solar Wind Plasma Parameters, (O.P.Tripathi, P.L.Verma, A.K.Tripathi) Page- 24, National Seminar: 9-10 Feb. 2013, Held At: Rewa (M.P.).
5. Diagnostic Study of SSN for 24th Solar Cycle, (Himanshu Chaurasia, Omkar Tripathi and Neelam Chaurasia) Page-49, National Seminar: 9-10 Feb. 2013, Held At: Rewa (M.P.)
6. Correlative Study of Weak Geomagnetic Storms And Their Relation With Solar Wind Plasma Parameters, (O.P.Tripathi, P.L.Verma, A.K.Tripathi) Page-17, National Seminar: 9-10 Feb. 2013, Held At: Rewa (M.P.)
7. Study of Weak Geomagnetic Storms Related With Maximum Jump in IMF (Bz) And Solar Wind Plasma Parameters, (O.P.Tripathi, P.L.Verma, A.K.Tripathi) Page- 34, National Seminar: 9-10 Feb. 2013, Held At: Rewa (M.P.)
8. Comparative Study of SSN during 22nd & 23rd Solar Cycle, (Omkar Prasad Tripathi, Neelam Chaurasia and Himanshu Chaurasia) Page-103, National Seminar: October 30-31, 2012, Held At: Bhopal (M.P.)
9. Statistical Influences of Sun Spot Numbers And Solar Radio Flux on Geomagnetic Field during Solar Cycle 23, (Omkar Prasad Tripathi, P.L.Verma, A.K.Tripathi, Ganesh Agrawal) Page-30, Poster Presentation, National Conference: 25-26 September 2013, Held At: Sehore (M.P.)
10. Geomagnetic Field Disturbances With Maximum Jump In SWP Parameters During Rising Phase Of Solar Cycle 23, (O.P.Tripathi, P.L.Verma, A.K.Tripathi) Page- 69, National Seminar: 8-9 Feb. 2014, Held At: Rewa (M.P.)

11. Impact of Solar Features on Geomagnetic Field Disturbances during Solar Cycle-23, (Anil Shrivastva, O.P.Tripathi and P.L.Verma) Page- 46, International Conference: 22-24 Sep. 2015, Held At: Maihar (MP)
12. Impact of SSNs and F-10.7 Index with Geomagnetic Field Throughout Solar Cycle-22, (O. P. Tripathi, P.L.Verma, Manish Agrawal) Page- 46, International Conference: 22-24 Sep. 2015, Held At: Maihar (MP)
13. Influences of Solar Facial Appearance on Geomagnetic Storms During Rising Phase Of Solar Cycle 24, (O.P.Tripathi and P.L.Verma) Page- 48, International Conference: 22-24 Sep. 2015, Held At: Maihar (MP)
14. Association of Geomagnetic Storms with Coronal Mass Ejections during 1997-2012, (O. P. Tripathi, P.L.Verma), Page- Online, International Conference: 17-18 Aug. 2015, Held At: Barcelona (Spain)
15. Impact Of Solar Wind Plasma Parameters On Geomagnetic Field Disturbances During Rising Phase Of Solar Cycle 24, (O.P.Tripathi and P.L.Verma), Page-37, NSSS: 9-12 Feb 2016, Held At: Thiruvananthapuram (Kerala)
16. Study of Sunspot Number and Solar Radio Flux with Geomagnetic Storms during Solar Cycle 24, (Omkar Prasad Tripathi, Rashmi Sharma and Pooja Pandey) MPVS-2021 during 22-25 Dec 2021, Held At: IIT Indore (MP)
17. Association of Sunspot Number, Solar Radio flux and Geomagnetic Storm during the period of 2009-2019, (Omkar Prasad Tripathi, Rashmi Sharma, Ashish Dwivedi & Saket Kumar) NASSEMA-2023 during March 16th – 18th, 2023, Held At: Pt. Ravishankar Shukla University, Raipur (C.G.) India
18. Correlative Studies between the Strong geomagnetic Storms and the various interplanetary magnetic field parameters during the period of 2011 – 2021, (Saket Kumar, Shivank Singh, Jagriti Kushwaha and O.P. Tripathi), presented in International Conference on “Recent Trends in Science, Commerce & Management (ICRTSM-2022) during 13-14 May, 2022, Held At: Buddha Degree College, GIDA, Gorakhpur, (U.P.)
19. Behavior of Flare Related Geomagnetic Storms with Coronal Mass Ejections and Solar Wind Parameters During the period of 2014-2018; P.L. Verma, Shubha Singh Parihar, Anshu Gupta, Saket Kumar and O. P. Tripathi; IC-ASTSDGs during 11-12 march, 2024 Held At: AKS University, Satna (M.P.) India
20. Interplanetary Dynamics and Major Geomagnetic Storms: Unraveling the Climate Connection through Solar Wind Plasma and IMF Analysis (1996-2018); O. P. Tripathi, Saket Kumar, C.M. Tiwari and P.L. Verma; IC-ASTSDGs during 11-12 march, 2024 Held At: AKS University, Satna (M.P.) India

21. Low Frequency Solar Bursts and their correlation with solar cycle 24 dynamic: Unveiling association with coronal mass ejection and key solar parameters; Saket Kumar, O.P. Tripathi, Gauri Richharia and P.L.Verma; NHARS-2024 during 19-20 December 2024 Held at: APS University, Rewa (MP) India.
22. Analyzing long-term trends and variations in the sunspot cycle across Solar Cycles 1-24, and the rising phase of Solar Cycle 25; Saket Kumar, O.P. Tripathi, Swapnil Garg, and P.L.Verma; 31st International Conference (CONIAPS-XXXI) on Emerging Trends in Physical Sciences during 20-21 December 2024 held at Pt. Ravishankar Shukla University, Raipur (CG) India.