

## Bio-Data

**Name –** Dr. Sundar Kumar Arya  
**Father's Name -** Sri Kheem Ram Arya  
**Mother's Name -** Smt. Godawari Devi  
**DOB -** 12/12/1988  
**Gender -** Male  
**Nationality -** Indian  
**Languages known-** Hindi and English  
**Email ID -** [kumarsundar88@gmail.com](mailto:kumarsundar88@gmail.com)  
**Mobile No. -** 9411309749  
**Present position-** Assistant Professor (Mathematics)  
**Joining Date-** 29/07/2019



**Place of Posting -** Department of Mathematics, M. B. Govt. P G College  
Haldwani (Uttarakhand)

**Permanent Address –**Village : Gadera, P.O: Gadera, Tahsil: Kapkote, Distt:  
Bageshwar, Uttarakhand

**Current Address-** North Mandalsera ward Bageshwar, Uttarakhand

**Hobbies -** Study, Playing Cricket, Trekking, Photography,

**Areas of interest-** Differential Geometry.

### Educational Qualifications-

- **High School-** Science, Mathematics, Hindi, English, Social Studies and Agriculture, (Uttarakhand Board of school education (2002) With 63 %.)
- **Intermediate-** Physics, Mathematics, Chemistry, Hindi and English (Uttarakhand Board of school education ( 2004) with 67.2%.)
- **B.Sc.-** Physics, Mathematics and Chemistry (G. P. G. C. Bageshwar, Kumaun University Nainital, (2007) with 71.55%.)
- **M.Sc.-** Mathematics, (G. P. G. C. Bageshwar, Kumaun University Nainital, (2009) with 78.11%.)
- **Ph. D.-** Mathematics – Study of different connections on various structures, differential manifolds and their sub manifolds, (S. S. J. Campus, Almora (2017), )



## **Job Experience-**

- **2 Years and 3 months experience as an Assistant Statistical Officer (Permanent) in Uttarakhand Forest Department.**
- **4 years and 6 months experience as a Lecture Mathematics (Permanent) in Uttarakhand Technical Education.**
- **More than 6 years experience as an assistant professor (Permanent) in Uttarakhand Higher Education.**

## **Conferences/ Seminars / Workshop attended-**

### **(a) Workshops:**

- National Workshop on "Abstract Algebra" (17 march- 18 March2023) at L. S. M. Campus Pithoragarh, SSJ Campus, Almora.
- National Workshop on "Real Analysis" (28 march- 02 April 2022) at S. S. J. Campus Almora, SSJ Campus, Almora.
- मन की बात, जल की बात, दो दिवसीय कार्यशाला, दिनांक 11-12 अगस्त 2019, रा0 स्ना0 महा0 द्वाराहाट।
- महिला शिक्षा, सुरक्षा और सम्मान, एक दिवसीय क्षेत्रीय कार्यशाला, 08 मार्च 2021, रा0 स्ना0 महा0 पितौरागढ़।
- Workshop on "Algebra & Number Theory" (22-24 March (2012) at Kumaun University, SSJ Campus, Almora.
- Workshop on "Remote sensing" Dec 2008 at G. P. G. C. Bageshwar.

### **(b) Seminars / Conferences:**

- Present a research paper in International conference of differential geometry and relativity Organized by S. S.J. campus Almora (18-20 may. 2023).
- Present a research paper in Internation conference on " Relevance of Mahatma Gandhi in Present Global Prespective", Organized by L. S. M. G. P. G. C. Pithoragarh, (17-18 Nov. 2019).
- Participated in the "faculty development program" organized by , B. T. Kumaon Institute of Technology Dwarahat. (16 – 20 Sept. 2019).
- Presented a research paper in the National Conference on "Recent Advances in Statistical and Mathematical Sciences and their

Applications" (RASMSA-2014) at Kumaun University, S. S. J. Campus, Almora. (04-06 Oct. 2014).

- Participated in the "Almora Mathematical Survey" supported by National Board for Higher Mathematics & Uttarakhand Science and Engineering Council at Centre for Excellence in Mathematical Sciences, Kumaun University, Almora. (03-06 Oct. 2012).
- Participated in the "6th Uttarakhand State Science And technology Congress" supported by Uttarakhand State Council For Science And Technology (UCOST), Kumaun University, Almora. (14-16 Nov. 2011).
- Participated in the "International Colloquium on History of Mathematical Sciences and Symposium on Non-Linear Analysis" at Kumaun University, S. S. J. Campus, Almora. (16-19 May 2011).
- Participated in the "6th Uttarakhand State Science And technology Congress" supported by Uttarakhand State Council For Science And Technology (UCOST), Kumaun University, Almora. (14-16 Nov. 2011).
- Participated in the "First state science and technology Youth festival" supported by Uttarakhand State Council For Science And Technology (UCOST), (28 feb – 02 march 2008).

## **Research papers published**

### **Mathematics-**

1. A Semi-symmetric Recurrent Metric Connection in a Generalised Co-symplectic Manifold, Int. J. Contemp. Math. Sciences, Vol. 9, 2014, no. 8, 385 – 393, April 2014.
2. Some Properties of Recurrent metric Connection in a Generalised Co-symplectic Manifold, International Journal of Applied mathematical science ( JAMS)0973-0176, Volume 8, November 2015.
3. On a Hsu-unified Structure Manifold with a Recurrent Metric Connection Journal of Computer and Mathematical Sciences, Vol.8(8), 366-372 August 2017.
4. Semi-symmetric non-metric s-Connection on a type of Hsu-Unified structure, manifold International Journal of Scientific Research in

Engineering and Management (IJSREM), Volume: 05, Issue: 10, Oct – 2021,

5. Hsu-Unified Structure Manifold with Semi Symmetric Non Metric s-Connection, Journal of Computer and Mathematical Sciences, Vol.12(12), pp- 53-59, December 2021.
6. Structure connection in a generalized co-symplectic manifold, Education and society, Vol.II, pp- 443-449, Feb 2023.
7. Some properties of semi symmetric non metric connection on a type of Hsu-Unified Structure Manifold, Education and society, Vol.II, 450-454, Feb 2023.
8. Challenges in Mathematics Teaching with the Use of Artificial Intelligence in India, Interdisciplinary Journal of Contemporary Research, Vol. 12, No. 12.1, December, 2025, pp-95-98.
9. Contribution of Indian Mathematicians in the Development of Mathematics, Shodh Drishti, Vol. 17, No. 3.1, March 2026, pp-193-196.
10. Vedic Mathematics: An Ancient Indian System of Mathematical Techniques, Interdisciplinary Journal of Contemporary Research, Vol. 12, No. 4.1, April, 2025.
11. **वैदिक गदितः भारतीय गदितीय धरोहर का पुनरावलोकन**, Anukriti , Vol. 15, No. 1, January 2025.

### **Others-**

1. Rediscovery of butterflies *Arhopala bazalus* Hewitson, 1862 and *Catapaecilma major* Druce, 1895 from Uttarakhand, India, Journal of Entomology and Zoology Studies 2019; 7(2): 864-867.
2. RANGE EXTENSION OF PURPLE SWIFT *CALTORIS TULSI DE NICÉVILLE* (LEPIDOPTERA: HESPERIIDAE) TO THE WESTERN HIMALAYA. Bionotes, VOLUME 22, NO. 3 QUARTERLY JULY-SEPTEMBER, 2020
3. REDISCOVERY OF TIGER HOPPER *OCHUS SUBVITTATUS* (INSECTA: LEPIDOPTERA: HESPERIIDAE) FROM UTTARAKHAND, INDIA VOLUME 22, NO. 4 QUARTERLY OCTOBER-DECEMBER, 2020

4. A NEW RECORD OF FLOS CHINENSIS (INSECTA: LEPIDOPTERA: LYCAENIDAE) FROM WESTERN HIMALAYA, INDIA. VOLUME 22, NO. 4 QUARTERLY OCTOBER-DECEMBER, 2020.
5. हिजरत सत्याग्रह: उत्तराखण्ड में पलायन का एक आंशिक कारण, गॉंधी दर्शन के नैतिक विचार, साहित्य संचय, ISO 9001:2015 Vol. 1, 2020, pp. 100-105, ISBN: 978-93-89809-22-0.
6. History of the Villages Named “Laal Kurti” in Uttarakhand, Anukriti ,Vol. 16, No. 2, February 2026.
7. The Role of Sanskrit in the Development of Artificial Intelligence, Shodh Drishti , Vol. 16, No. 5.1, May 2025.

### **Achievements –**

- Successfully organized 03 days International conference of differential geometry and relativity as a local organizing secretary Organized by S. S.J. campus Almora (18-20 may. 2023).
- Successfully organized 02 days national workshop on “Abstract Algebra” as a Coordinator at L. S. M. Campus Pithoragarh (17 march- 18 march 2023).
- Successfully organized six days national workshop on “Real Analysis” as a Coordinator at S. S. J. Campus Almora (28 march- 02 April 2022).
- Member of syllabus expert committee of common minimum syllabus for all uttarakhand state universities and colleges for UG Mathematics according to New Education Policy.
- Member of syllabus Preparation committee of common minimum syllabus for all uttarakhand state universities and colleges for UG Mathematics according to New Education Policy.
- Participated in 5 days Mathematics teachers reconceptualization training program (16-20 Dec 2019) as a resource person.
- Participated in on site support/Education tour (11-26 Feb 2021) Of three district Bageshwar, Champawat and Pithoragarh as a subject specialist.