

Curriculum Vitae (CV)



Name: Anuj Kumar

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Academic Qualifications:

- MSc (Mathematics), Central University of Himachal Pradesh, Dharamshala, Himachal Pradesh, India.
- Graduation, Govt. College Shahpur, Himachal Pradesh University, Shimla.

PhD: Thesis submitted at the Central University of Himachal Pradesh, Dharamshala, Himachal Pradesh, India, dated: **02 June 2023**

NET/JRF/GATE/NBHM: CSIR-JRF

Research Interest: Differential Geometry, Geometric Group Theory

Subject Taught as a JRF & SRF: Linear Algebra, Real Analysis, Topology, Abstract Algebra, Vedic Mathematics and Indian Knowledge System

Hobbies: Reading Books, Playing Cricket

Research Publication/Communication:

- M. Dhiman, A. **Kumar**, and Srivastava, S. K. :PR-Semi Slant Warped Product Submanifold of Para-Kenmotsu Manifolds. *Results in Mathematics*. 77(4), 1-30 (2022) (I. F.-2.214).
- **Kumar, A.**, and Sharma, A.: Chen-type inequality for sequential warped product submanifolds of nearly Kähler manifolds. *Asian-European Journal of Mathematics*. 15(12), 2250223 (2022).
- Mofarreh, F., Srivastava, S. K., **Kumar, A.**, and Ali, A.: Geometric inequalities of PR-warped product submanifold in para-Kenmotsu manifold. *AIMS Mathematics*. 7(10), 19481-19509 (2022).
- Srivastava, S. K., Mofarreh, F., **Kumar, A.**, and Ali, A.: Characterizations of PR-Pseudo-Slant Warped Product Submanifold of Para-Kenmotsu Manifold with Slant Base. *Symmetry*. 14(5), 1001 (2022).

- Li, Y., Srivastava, S. K., Mofarreh, F., Kumar, A., and Ali, A.: Ricci Soliton of CR-Warped Product Manifolds and Their Classifications. *Symmetry*. **15**(5), 976 (2023).
- Srivastava, S. K., Sood, K. and **Kumar, A.**: ON T-hypersurfaces of a paraSasakian manifold, **Facta Universitatis (NIS)**, Ser. Math. Inform. **35**(4), 1003–1016 (2020).
- Srivastava, S. K., Dhiman, M., Sood, K., **Kumar, A.**, Mofarreh, F., and Ali, A. : A Note on Pointwise Semi-Slant Submanifold of Para-Cosymplectic Manifolds. *Filomat*, **36**(12), 4069-4086 (2022).
- **Kumar, A.**, and Sharma, A.: On generalized curvature equality and inequality for sequential warped product submanifolds. *Journal of Mathematical Sciences* <https://doi.org/10.1007/s10958-023-06510-1>.
- Sharma, A., **Kumar, A.**, Turki, N. B., and Shenawy, S.: Certain investigations of sequential warped product submanifolds on cosymplectic manifolds. *Journal of Inequalities and Applications*. **2023**, 125 (2023).
- **Kumar, A.**, and Sharma, A.: Warped product pointwise PR-semi-slant immersions in para-Kaehler manifolds (In communication).
- **Kumar, A.** and Srivastava, S. K.: Geometric inequalities of bi-warped product submanifold in generalized complex space form (In communication).
- **Kumar, A.** and Srivastava, S. K.: Geometric inequalities for sequential warped product submanifolds of complex space form (In communication).
- Srivastava, S. K. and **Kumar, A.**: Generalized geometric inequalities for warped product submanifolds in Kaehler manifold (In communication).
- **Kumar, A.** and Srivastava, S. K.: Pointwise bi-slant warped product immersions in Cosymplectic manifolds (In communication).

Conferences/ Workshops/ Webinar/Seminar:

- Attended the CIMPA School on Geometric structures on Surfaces, Moduli spaces, and Dynamics to be held at DST-Centre for Interdisciplinary Mathematical Sciences, Institute of Science, Banaras Hindu University, Varanasi-221005, INDIA during 12-12-2022 to 22-12-2022.
- Paper presented “PR-pseudo-slant warped product submanifold of para-Kenmotsu manifold” in the 27th International Conference organized by International Academy of Physical Sciences CONIAPS XXVII on “Recent Advances in Differential Geometry and Topology” at the Department of Mathematics and Statistics, Central University of Punjab, Bathinda, Punjab, INDIA during October 22 -28, 2021.
- Paper presented on “PR-semi-slant warped product submanifold of para-Kenmotsu manifold” in the International Conference IRCTM-2021 on “Recent Trends in Mathematics” organized by HIMS at the Department of Mathematics and Statistics, Himachal Pradesh University, Shimla, HP-171005, INDIA during September 14-15, 2021.

- Paper presented on “Transversal hypersurfaces in paraSasakian manifold” in the National Seminar NSAAD held at the Department of Mathematics, Central University of Himachal Pradesh, TAB Shahpur, HP-176206, INDIA during November 22-23 2019.
- Participated in the International Workshop on “Srinivasa Ramanujan:The Man Beyond Infinity” organized by Srinivasa Ramanujan Department of Mathematics, Central University of Himachal Pradesh, TAB Shahpur, HP-176206, INDIA during November 22 to December 22, 2020.
- Participated in International Workshop on “Geometry of Continued Fractions:Ramanujan and his Successors” organized by Srinivasa Ramanujan Department of Mathematics, Central University of Himachal Pradesh, TAB Shahpur, HP-176206, INDIA during September 14-15, 2020.
- Participated in International Webinar on “Modern Trends in Mathematics and its Applications” organized by Department of Mathematics, Krishnagar Government College, Krishnagar, Nadia, West Bengal741101, INDIA during August 21, 2020.
- Participated in International Workshop on “Indian Mathematics” organized by Srinivasa Ramanujan Department of Mathematics, Central University of Himachal Pradesh, TAB Shahpur, HP-176206, INDIA during September 14-15, 2019.
- Participated in the 22th International Conference organized by International Academy of Physical Sciences CONIAPS XXVII on “Emerging Trends in Physical Sciences” at the Faculty of Sciences, Dr. Ram Manohar Lohia Avadh University, Faizabad, UP-224001, INDIA during April 13-15, 2018.
- Participated in International Workshop on “Indian Mathematics” organized by Srinivasa Ramanujan Department of Mathematics, Central University of Himachal Pradesh, TAB Shahpur, HP-176206, INDIA during September 14-15, 2019
- Participated in National Workshop on “Analytical Aspects of Dynamics” organized by The Mathematical Society and Department of Mathematics, Department of Mathematics, Central University of Himachal Pradesh, TAB Shahpur, HP-176206, INDIA during September 14-15, 2014.

Faculty/Refresher Course:

- Attend a one Faculty Development Programme on “Open Source Tools for Research” organized by the Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching at Ramanujan College, University of Delhi, Kalkaji, New Delhi-110019, INDIA during June 8-14, 2020.