


Curriculum Vitae

Full Name	Dr. Kailash Chandra Petwal		
Designation	Sr. Assistant Professor		
Department	Mathematics		
Campus	SRT Campus Badshahi Thaul, TG		
Telephone	01376-254079		
Mobile	+919411521475		
Email	kcpetwal@gmail.com		
Education Qualification	B. Sc. (1988), PCM, HNB Garhwal University		
	M. Sc.(1990), Mathematics, HNB Garhwal University		
	D. Phil.(1993), HNB Garhwal University		
Teaching Experience	UG-22 Years	Research Experience	23 Years
	PG-22 Years		
Areas of Interest/ Specialization			
1. Pure and Applied Differential Geometry			
Honours & Awards		Nil	
Member of Academic Institutions			
1. Member of Board of Study (BOS), HNB Garhwal University			
Membership of Scientific Organization			
1. Life member of Tensor Society of India			
2. Life member of International Academy of Physical Science (IAPS)			
Research Supervision (No. of Ph.D. Degree Awarded/ Registered)			
1. Awarded – 05 3. Submitted - 01			
2. Registered- 01			
Research Projects/ MoU undertaken			
1. One research project completed in 2010 entitled “ The study of submanifolds in conformal & Pseudo Conformal spaces , Uttarakhand State Council for Science & Technology (Dept. of sc. & Tech., Govt. of Uttarakhand), Total Cost- 3,25,000,			
Administrative Experience			
1. Programme officer NSS (6 years),			
2. Proctor (3 years),			
3. Hostel warden (3 Years)			
Scientific Visits Abroad/International Collaboration: Nil			

Conference/Symposium/Workshop recently attended

International

1. 24th International conference of International Academy of Physical Science on Innovations in Physical Science at CCS University Meerut, U.P. from August 09-11, 2019. Presented a paper entitled "Evolution of Weylian structures under Ricci Flow".
2. International conference on Climate change and Disaster Risk Reduction at HNBGU Campus Badshahi Thaul, Tehri Garhwal from October 26-28, 2018. Presented a paper entitled "Mathematical Modelling on Probabilistic Environmental Risk Assessment".
3. International conference on Differential Geometry, Functional Analysis and Applications at Department of Mathematics, JMI, New Delhi from September 8-10, 2012. Presented a paper entitled "Functioning of Divine Structure on Conformal Einstein Manifolds".
4. International Conference on Differential Geometry and Relativity at Department of Mathematics, AMU, Aligarh from November 20-22, 2012. Presented a paper entitled "Techniques for the decomposition of Cartan's Curvature tensor in complex Finsler Manifolds".
5. International Conference on Differential Geometry and Relativity (ICDGR-2013) at Department of Mathematics & Statistics, DDU Gorakhpur (UP) from November 09-11, 2013. Presented a paper entitled "Divine Structure on Conformal Einstein Manifolds".

National

1. National Seminar on Digitalization in India: The way to Knowledge Economy at Sahu Jain (PG) College, Najibabad (UP) from Dec. 21-22, 2018. Presented a paper entitled "Impacting Digital technologies on Mathematics Education".
2. National seminar on "Emerging Trends and Future Challenges in Science" at Dept. of Chemistry S.G.R.R. (PG) College, Dehradun (Uttarakhand) from Feb. 27-28, 2019. Presented a paper entitled "Trends of computing the geometric structures in Mathematical Science".
3. Presented a paper entitled "A note on applications of tensors in mathematics and medical science" in First National conference on Progressive sciences & Engineering (NCPSE-2016) at Institute of technology, Gopeshwar, Chamoli UK, from Oct. 24-25, 2016.
4. Presented a paper entitled "Mathematical models for radiation effects on human health" in First National conference on Radiation awareness and dection in natural environment (REDNET-I) at Dept. of Physics & Chemistry, HNBGU Campus Badshahi Thaul, from June 15-17, 2015.
5. Presented a paper entitled "Mathematical modelling on Geo-referencing of probabilistic Risk of Chemicals in rivers" in National seminar on Geo-Environmental Hazards and Neo-Tectonic Activities in Himalaya at H. N. B. Garhwal University, Badshahi Thaul Campus, from October 28-30, 2014.

Conference/Symposium/Workshop Organized

1. Organized a National Symposium on Mind, Matter and Mathematics: A Dialogue at HNBGU Campus Badshahi Thaul, from March 12-14, 2014. Position – Convener of Symposium.

Best Peer-Reviewed Publications

Journals

1. The study of pseudo-analytic vectors on pseudo-Hermitian, **Petwal K. C.; Kumar S. & Negi Vineeta**, *Bul. of Cal. Mathematical Society*, Vol. 102 (3) pp 281-288 (2010). **ICI**, UGC Listed J.
2. Analysis on recurrence properties of Weyl's curvature tensor and its Newtonian limit, **Kumar S. and Petwal K.C.**; *Differential Geometry-Dynamical System, Romania*, Vol. 12, pp 109-117 (2010). UGC Listed J
3. Spatial transformations of diffusion tensor magnetic resonance imaging using certain geometric operations, **Kumar S. and Petwal K.C.**; *International Journal of Physical Science*, Vol. 5(7), pp. 940-954 (2010). **SCOPUS**, UGC Listed J.
4. Spectral Decomposition of 4th –order Covariance Douglas tensor in *P-Finsler Manifolds, **Kumar S. and Petwal K.C.**; *Albanian Journal of Mathematics*, Vol. 5, No. 1, pp 53-65 (2011). UGC Listed J.
5. Evolution of Weyl's Gauge invariant geometry under Ricci flow, **Kumar S. and Petwal K.C.**; *Proyecciones Journal of Mathematics, UAC China*, Vol. 30, No 3, pp. 329-350, (2011). **SCOPUS** UGC Listed J.
6. Survey of Image Compression and Face Recognition, **Bhatt Vineet and Petwal K.C.**; *Inventi Rapid: Image & Video Processing*, Vol. 2013, Issue 2, pp 1-8 (2013).
7. Conformal Geometry of arc length Functional on space Curves and Space time, **Kulveer Singh Rana and K. C. Petwal**, *Int. J. of Math. Trends and Tecnology*, vol 47, No. 5, pp. 338-344 (2017). **UGC Listed Journal**
8. Characteristics of Riemannian manifolds and Pseudo-Riemannian Metric, **K. C. Petwal and Kulveer Singh Rana**, *Aryabhatta J. of Mathematics & Informatics*, Vol.10,No.1,pp. 179-190 (2018). UGC Listed J.
9. Isotropic Tensor Decomposition of Catan's Curvature Tensor In Complex Finsler Manifolds, **K. C. Petwal & Monika Sati**, *Int. J. of Research in Advent Technology*, Vol. 7, No. 4, pp. 595-599 (April2019).UGC Listed Journal

Proceedings: Nil

Books: Nil

Total Number of Research Publications: 44 (Forty Four)

