

Curriculum Vitae

Full Name	Dr. Shankar Lal			
Designation	Assistant Professor			
Department	Mathematics			
Campus	SRT Campus, Badshahithaul, Tehri			
Address	Department of mathematics, H.N.B. Garhwal University, Campus Badshahithaul, Tehri Garhwal			
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Email	shankar_alm@yahoo.com			
Education Qualification	M.Sc. Maths, I.T., Ph.D., Kumaun University Nainital			
Teaching Experience	15 Years	Research Experience	17 Years	
Research Interest and Fields of Specialization				
<ol style="list-style-type: none"> 1. Geometry/Global Geometry(Manifolds) 2. Bio-mathematics 				
Orientation and Refresher course attended:				
<ol style="list-style-type: none"> 1. Participate the 4-week orientation programme from UGC Academic Staff College, Nainital. 2. Participate the 3-week Refresher course in I.T. Application from UGC-ASC, Kumaun University, SSJ Campus, Almora. 3. Participate the 3-week Refresher course in I.T. Application from UGC-ASC, Kumaun University, SSJ Campus, Almora. 4. Two short term course 				
Honours & Awards				
<ol style="list-style-type: none"> 1. Young Scientist Award, at Allahabad University. 2. Advanced training in Mathematics at KU Campus, Almora. (12 days) 				
Extracurricular activity:				
<ol style="list-style-type: none"> 1. Member of cultural Judgment committee in 2009-10 and 20010-11. 2. Organized by me the National conference of the tensor society on development of differential geometry, October 2-3, 2009 at Rishikesh as Joint Secretary. 3. Judgment of selection committee of cultural programmed in the session 2009-10. 4. Participated in the other extra-curricular activity in the Campus as admission committee, examination duties and evolution of exam copy. 				
Membership of Organization				
<ol style="list-style-type: none"> 1. Life member of the tensor society, University of Lucknow. 2. Life member of National Academy of Physical sciences, University of Gorakhpur. 3. Life member of the International Journal of Physical Sciences, University of Allahabad. 4. Member of Science Framework. 				
Research Supervision (No of Ph.D. Degree Awarded)- Submitted				
Research Projects- NA				

Administrative Experience

1. Assistant Proctor academic sessions 2010-11 and 2011-12 and 2013-2014, 2015-16 and 2018-19.
2. Ant-Ragging Cell
3. Anti-Ragging squared

Scientific Visits Abroad- NA

Conference/Symposium/Workshop

International/National(Presented Paper)

1. Cartesian product of r-gf structure manifolds, 7th conference of the International Academy of physical sciences, organized by Allahabad university, **December, 21-22, 2004.**
2. On Quasi umbilical submanifold of co-dimension-2 of KH-structure manifold, 8th conference of the International Academy of physical sciences, organized by CCS University, Meerut, **Dec., 29-31, 2005.**
3. Cartesian product of r-hyperbolic Hermite manifolds XXXIII annual conference of the Mathematical society, BHU, **Dec., 29-30, 2007.**
4. Research Paper under the discipline Mathematics, statistics and computer science organized by IIT Roorkee and U-cost, **10-11 nov., 2008.**
5. GF-structure equipped with Nijenhuis tensor, National conference of the tensor society on development of differential Geometry, **Oct. 2-3 2009.**
6. Mathematical modeling flow of blood through a vessel, U-cost, 10-12, **Nov., 2010** organized by Doon University.
7. GF-structure motivate the mathematical space, National seminar on interface between statistics, mathematics and allied sciences, 22-23 **Nov., 2010**, organized by Kumaun University, S.S.J. campus, Almora.
8. Workshop on AIDS Awareness, Organized by NSS and Red Ribbon Club on 12th **March 2010**, at HNB Garhwal Univ. Campus Badshahi Thaul.
9. Mathematical modelling flow of blood through a vessel, organized UCOST Dehradun **10-11 November, 2010.**
10. GF-Structure motivate the mathematical space organized by KU, Almora, **20-22 November, 2010.**
11. Workshop on AIDS Awareness, Organized by NSS and Red Ribbon Club on 12 March, **2010**, at HNB Garhwal Univ. Campus Badshahi Thaul.
12. Workshop on AIDS Awareness, Organized by NSS and Red Ribbon Club on **December 01, 2011**, at HNB Garhwal Univ. Campus Badshahi Thaul.
13. On GF-structure manifold (Nijenhuis Teensor) organized by PG college Karanprayag(Chamoli), **21-22 Octoer, 2011.**
14. Workshop on AIDS Awareness, Organized by NSS and Red Ribbon Club on 01 December, **2012**, at HNB Garhwal Univ. Campus Badshahi Thaul.
15. Quasi umbilical sumanifold of KH-structure manifold organized by PG college Jaihrikhal, **21-22 March 2013.**
16. Workshop on AIDS Awareness, Organized by NSS and Red Ribbon Club on 01 December, **2013**, at HNB Garhwal Univ. Campus Badshahi Thaul.
17. Mathematical Matter of Manifold in Space organized by HNB Garhwal University Campus Badshahi Thaul, **12-14 March, 2014.**
18. Attended the conference in Geo-Hazards and Neo-techniques organized by HNB Garhwal University Campus Badshahi Thaul, **28-30 October, 2014.**
19. Sustainable development in Fractal Geometry of manifold, National conference on Sustainable development of india: Challenges & remedies organized by HNB

Garhwal University Campus Badshahi Thaul, **22-23 March, 2014.**

20. Geometry of Special metric Solution, National conference on Recent advances in statistical and mathematical sciences and their applications organized by KU SSJ campus, Almora, **04-06 October, 2014.**

21. Sustainable development of fractal image coding on self-similarity, National conference on role of mathematics in sustainable development organized by PG college Karanprayag(Chamoli), **17-18 October, 2014.**

Conference Organized

1. Joint Secretary, Organized by me the National conference of the tensor society on development of differential geometry, at Rishikesh.

Publications /Journals

1. On generalized almost contact metric structure manifold, Lal, S., ultra scientist of physical sciences, vol. 17(1)M pp. 55-62, **2005.** ISSN: **0970-9150.**
2. On H-Projectively flat KH-structure submanifold, Lal, S., Journal of the tensor society, vol. 1, pp. 41-49, **2007.**
3. Cartesian product of r-gf structure manifolds, Lal, S., J. Of Int. Acad. Of physical sciences, vol. 13 no. 3 pp. 293-298, **2009.** ISSN: **0974-9373.**
4. Almost Hyperbolic Hermite manifolds, of physical sciences, vol. 13(3)M pp. 954-956, **2009.** ISSN: **0970-9150.**
5. On a ϕ -connexion in a almost contact p-Sasakian manifolds, Lal, S., J. Nat. Acad. Math. Vol. 24, pp. 47-52, **2010.** ISSN: **0970-5228.**
6. Cartesian product of r-Hyperbolic Hermite manifolds, Lal, S., J. mountain res. Vol-25 pp. 89-94, (Dec., **2010.**) ISSN: **0974-3030.**
7. GF-structure motivate the mathematical space, Lal, S., International Journal of current research, vol. 3, pp. 235-240, **April, 2011.** ISSN: **0975-833X.**
8. On GF-structure manifold (Nijenhuis tensor), Lal, S., Indian Research Journal of Social Sciences, vol. 20 No. 2 , **June, 2011.** ISSN: **0974-0694.**
9. Kenmotsu Hyperbolic Sasakian manifolds, Lal, S., Indian Research Journal of Social Sciences, vol. 20 No. 2 , **June, 2011.** ISSN: **0974-0694.**
10. Quasi umbilical submanifold of KH-structure manifold, Lal, S. Journal of experimental sciences, vol. 3(1): pp. 27-30, **2012.** ISSN: **2218-1768.**
11. Torsioning curvature and Ricci tensor in a trans-Sasakian manifold, Lal, S. The mathematical education, vol. XLVII, no. 3, **September, 2013.** ISSN: **0047-6269.**
12. Geometry of special metric solution, Lal, S., International Journal of Engineering science and Innovation Technology, vol. 4, pp. 201-207, **2015.** ISSN: **2319-5967.**
13. Mathematical modelling flow of blood through a vessel, Lal, S. Applied mathematics **2014** pp. 86-98 , Yking publication Jaipur India.
14. H-projective recurrent with almost product and decomposable manifolds, Lal, S., Int. J. of Eng., sci and computing, 2016 vol. 6 (10) pp. 2661-2664. ISSN: **2321-3361.**
15. Mathematical modelling of India's population growth. Lal, S., AJMI, 2016 vol.8(2), pp. 47-56. ISSN: **0975-7139.**
16. Almost product and decomposable ricc and curvature recurrent manifolds, Lal, S., AJMI, 2017 vol.9(2), pp. 223-228. ISSN: **0975-7139.**
17. Analysis of some metric solution with geometric form, Lal, S., AJMI, 2017 vol.9(2), pp. 43-52. ISSN: **0975-7139.**
18. Stability analysis of logistic growth model with immigration effect, Lal, S. Indian J. sci. Res. Vol 16 (1), 2017, pp. 112-119. ISSN: 0976-2876.
19. Almost contact hyperbolic of a unified structure manifold, Lal, S., Int. Res J. of Nat. And appl. Sci., 2017, vol. 4 (8), pp. 46-53 ISSN: 2349-4077.

20. Quasi umbilical manifold of almost hyperbolic hermite and KH-structure manifold, Lal, S. Int. J. of eng. sci, and math. 2017, vol. 6(8): pp. 126-132, **2012. ISSN: 2330-0294.**
21. Cartesian product of Hyperbolic (F, g, r, η, ξ) structure, Lal, S., Int. J. of math. Trend and Technology. 2017, Vol-46 pp. 264-271. ISSN: 2231-5373.
22. Mathematical model of population dynamics and growth in India. Lal, S., AJMI, 2018 vol.10(1), pp. 199-208. **ISSN: 0975-7139.**
23. Analysis and application of time delay model in human population dynamics, J. of com. And math. Sci, 2019, vol. 10 (4) pp. 686-694. ISSN: 0976-5727.
24. Age structured model with migration flow in human population dynamics, JASC, vol. VI (III), 2019, pp. 2870-2878. ISSN: 1076-5131.

Proceedings

1. Sustainable Development of Fractal Image Coding on Self-similarity , Lal, S., National conference on Sustainable Development of India:Challenges & Remedies, **22nd -23rd March, 2014** Anamika Publication, New Delhi.

Total Number of Research Publications- 24.