

## Academic Qualifications

Ph.D from Lucknow University, Lucknow (U. P) in 2001.

Post Graduation (Mathematics) from Gorakhpur University, Gorakhpur (U. P) in 1997 with I Division.

Graduation from Gorakhpur University, Gorakhpur (U. P) in 1994 with II Division.

Intermediate from U.P. Board, Allahabad in 1991 with I Division.

High School from U.P. Board, Allahabad in 1988 with I Division.

## Areas of Specialization

Differential Geometry

## Current Area of Research

Differentiable Manifold: Structures and Connections

## Ph.D. Work

Worked over three years for Ph. D under the supervision of Prof. Ram Nivas, Department of Mathematics and Astronomy, Lucknow University, Lucknow.

## Thesis Title:

Certain structures, connection in a differentiable manifold and structures induced in its Tangent, cotangent bundles.

## Ph. D Guided (Co- Supervisor)

Sr. No.	Name of student	Year of Enrollment	Year of Completion	Title of Thesis	Organization/ University
1.	Janardan Prasad Ojha	2009	2014	A Study of Certain Structures and Connections induced on CR- Submanifolds	Integral University
2.	Bhupendra Nath Pathak	2009	2014	Study of Certain Structures induced on Slant Submanifolds	Integral University

## Academic Membership

Life members of

- i) Bharat Gnita Parishad, Department of Mathematics & Astronomy Lucknow University, Lucknow
- ii) Tensor Society of India, Lucknow
- iii) National Academy of Mathematics, Department of Mathematics and Statistics, University of Gorakhpur, Gorakhpur.

## Teaching Experience

Duration	Institution/ University	Post/ Nature of the job
July 1999 to June 2001	Lucknow University Lucknow University	Lecturer Temporary
Jan. 2000 to Aug 2001	Mumtaz Degree College, Lucknow Lucknow University	Lecturer Adhock
July 2000 to Aug 2001	Institute of Engineering and Technology (IET), Lucknow UP Technical University	Lecturer Temporary
Sept 2001 to till date	Shri Ramswaroop Memorial Group of Professional Colleges, Lucknow (SRMGPC/SRMCEM/SRMCM) UP Technical University/ Lucknow University	Professor/Associate Director/ Principal Permanent

## Conferences/Schools/Seminars Attended

- i) Oral presentation of the paper, "On submanifolds immersed in a differentiable manifold with quarter symmetric connection", in Golden Jubilee International Conference organised by Bharat Ganit Parishad and Department of Mathematics and Astronomy, Lucknow University, Lucknow, from 31<sup>st</sup> Dec.1999-3<sup>rd</sup> Jan. 2000.
- ii) International Conference on Special Functions and Their Applications, Feb. 2-4 2001, Lucknow.
- iii) Conference on Mathematics-2001 held on Nov. 24-25, 2001 at the Department of Mathematics and Astronomy, Lucknow University, Lucknow.
- iv) Conference on Mathematics-2002 held on Nov. 23-24, 2002 at the Department of Mathematics and Astronomy, Lucknow University, Lucknow.
- v) Conference on Mathematics-2003 at the Department of Mathematics and Astronomy, Lucknow University, Lucknow.
- vi) Oral presentation of the paper, "Study of prolongation of tensor field and G- structure to the tangent bundle", in Conference on recent trends of mathematics organised by Department of Mathematics, Government P. G. College, Dhamtari, Chattisgarh in Oct. 2004.
- vii) Oral presentation of the paper, "Study of submanifolds immersed in a manifold", in Conference on Mathematics organised by Bharat Ganit Parishad and Department of Mathematics and Astronomy, Lucknow University, Lucknow, in Nov. 13- 14, 2005.

- viii) Oral presentation of the paper, “Study of prolongations of tensor fields and G- structure in tangent bundles of second order”, in XXIX Indian Social Science Congress organised by Lucknow University, Lucknow, from 26<sup>th</sup> – 30<sup>th</sup> Dec. 2005.
- ix) National Seminar 2K-6 on India’s Role in Global I.T. Sector, 28- 29 Oct. 2006, SRMCEM, lucknow.
- x) Deliver a talk on ‘Historical Development of Differential Geometry’ in conference on Application of Tensors and Differential Geometry organized by The Tensor Society and SRMCEM at SRMCEM, Lucknow in July 5 – 6, 2008.
- xi) Conference on Mathematics-2008 held on Dec. 22 – 23, 2008 at the Department of Mathematics and Astronomy, Lucknow University, Lucknow.
- xii) National symposium on ‘Modern Trends in Differential Geometry and Mathematical Modeling in Bio- Sciences’ held on Dec. 24 – 25, 2008 under UGC SAP (DRS- 1) programme at the Department of Mathematics and Astronomy, Lucknow University, Lucknow.
- xiii) Delivered a talk and Chaired a Session in National Conference of The Tensor Society on Development of Differential Geometry organized by The Tensor Society held on October, 2 – 3, 2009 at Rishikesh, Uttarakhand.
- xiv) Delivered a talk in 2<sup>nd</sup> National symposium on ‘Modern Trends in Differential Geometry and Mathematical Modeling in Bio- Sciences’ held on Jan. 9 – 10, 2010 under UGC SAP (DRS- 1) programme at the Department of Mathematics and Astronomy, Lucknow University, Lucknow.
- xv) Delivered a talk and Chaired a Session in Annual Conference of The Tensor Society on Differential Geometry and its Applications jointly organized by The Tensor Society and Department of P. G Studies and Research in Mathematics, Kuvempu University held on May, 27 – 28, 2011 at Kuvempu University, Shimoga Dist., Karnataka.
- xvi) Presented a paper and Chaired a Session in an international Conference on Differential Geometry and Relativity jointly organized by The Tensor Society and Department of Mathematics, Aligarh Muslim University held on Nov, 3 – 5, 2012 at Aligarh.
- xvii) Presented a paper and Chaired a Session in an international Conference on Differential Geometry and Relativity jointly organized by The Tensor Society and Department Mathematics and Statistics, Gorakhpur University held on Nov, 9 – 11, 2013 at Gorakhpur.

## **Publications**

- i) On submanifolds immersed in a differential manifold with quarter symmetric connection, Rivista di Matematica Università Parma, Italy Volume 6(3), 2000, p. 11- 23.
- ii) On certain structures in the tangent bundle, Rivista di Matematica Università Parma, Italy, Volume 6(3), 2000, p. 205- 217.
- iii) On horizontal and complete lifts of (1,1) tensor field  $F$  satisfying the structure equation  $a_n F^n + a_{n-1} F^{n-1} + a_{n-2} F^{n-2} + \dots + a_1 F = 0$ , Demonstratio Mathematica, Warsaw Poland, Volume 35(1), 2002, p. 157- 165.

- iv) Submanifolds immersed in a generalized structure metric manifold, *JTSI*, Volume 20, 2002.
- v) Study of certain structures defined on the cotangent bundle of a differentiable manifold, *Mathematical Sciences Research Journal*, U.S.A, Volume 7(12), 2003, p. 477- 488.
- vi) On submanifold of a Riemannian manifold with quarter symmetric metric and non- metric connection, *Acta Ciencia Indica*, Volume 30 M (2), 2004, p. 285- 290.
- vii) Study of submanifolds immersed in a manifold, *Tensor N.S.*, Japan, Volume 65 (3), 2004, p. 250- 260.
- viii) On horizontal and complete lifts from a manifold with  $f_\lambda(9, 1)$ - structure to its cotangent bundle, *Acta Ciencia Indica*, India Volume 32 M (1), 2006, p. 1 – 6.
- ix) Notes on quarter symmetric connection, National Academy of Mathematics, India, Volume 16, 2002(received- 2006), p. 53 – 61.
- x) Study of prolongation of tensor fields and G- structures in tangent bundles, *Journal of National Academy of Mathematics*, India, Volume 23, 2009, p. 50 – 55.
- xi) Slant Submanifold of a Kenmotsu Manifold with Semi- Symmetric Non-Metric Connection, *VSRD-TNTJ*, Vol. 3 (3), 2012, p.116-123.
- xii) Study of prolongation of tensor fields and G- structures in tangent bundles of second order, *American Journal of Mathematical Science and Applications*. Volume 1 (1), 2013, p. 1 – 4.
- xiii) CR-submanifolds of a Lorentzian para-Sasakian manifold endowed with a semi-symmetric non-metric connection, *International Journal of Mathematical Analysis*, Volume 7(48), 2013, p. 2401- 2406, Bulgaria.