



College: Mahatma Gandhi Post Graduate College, Gorakhpur

Designation: Assistant Professor

Department: Mathematics

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Joining date: 01 August 2022

Qualifications: B. Sc., M. Sc. (Maths.), Ph.D. (Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur, Chhattisgarh), JRF-NET (Maths)

Area of Interest/Specialization: Riemannian Manifolds, Complex Manifold, Contact Manifold, Cosmology

Experience:

- (1) Assistant Professor (Adhoc) (Deptt. of Maths., Vishwavidyalaya (A Central University), Bilaspur, Chhattisgarh) 09 July 2018 to 31 August 2020.
- (2) Teaching Assistant (Contractual) (Deptt. of Maths., SVNIT, Surat, Gujarat) 02 September 2020 to 24 July 2021.
- (3) Assistant Professor (Deptt. of Maths., Mahatma Gandhi Post Graduate College, Gorakhpur) 01 August 2022 to till date.

Awards and Honors

- (1) UGC-J.R.F.(NET) Fellowship
- (2) UGC-S.R.F. Fellowship
- (3) 14th Chhattisgarh Young Scientists Congress Award-2016.

Peer Reviewed Publication

- (1) B. B. Chaturvedi and **B. K. Gupta**, On Ricci Pseudo-Symmetric Mixed Generalized Quasi-Einstein Hermitian Manifolds, *Proceedings of the National Academy of Sciences, India Section A: Physical Sciences* 91(1) 2021.
(Springer)(SCIE indexing & Impact factor 0.68)
- (2) B. B. Chaturvedi and **B. K. Gupta**, On Bochner Ricci semi-symmetric Hermitian manifold, *Acta Math. Univ. Comeniana* 87(1) (2018), 25-34.
(Scopus indexing)
- (3) B. B. Chaturvedi and **B. K. Gupta**, On a hyperbolic Kaehlerian space, *Acta Mathematica Academiae Paedagogicae Nyiregyháziensis*, 33 (2017), 207-213
(Scopus indexing)
- (4) B. B. Chaturvedi and **B. K. Gupta**, Some investigation on cosmological model *Balkan Journal of Applied sciences*, **18(1), (2016), 18-29**
(Scopus indexing)
- (5) B. B. Chaturvedi and **B. K. Gupta**, Study on semi-symmetric metric spaces, *Novi Sad J.MATH.* 44 (2), (2014), **183-194** (Scopus indexing)
- (6) B. B. Chaturvedi and **B. K. Gupta**, C-Bochner curvature tensor on almost $C(\lambda)$ manifolds, *Palestine Journal of Mathematics*, Vol. 8(2)(2019) 258–265
(Scopus indexing)

- (7) B. B. Chaturvedi and **B. K. Gupta**, On an Anti-Kaehler Codazzi Manifold, *Palestine Journal of Mathematics* 9(2), (2020) 874-879.
(Scopus indexing)
- (8) B. B. Chaturvedi and **B. K. Gupta**, On Bochner curvature tensor on Kaehler-Norden manifolds, *South East Asian Journal of Mathematics and Mathematical Sciences*, 16(3), (2020) 339-346.
(Scopus indexing)
- (9) B. B. Chaturvedi and **B. K. Gupta**, On Bochner Ricci Pseudo-symmetric Hermitian manifolds, *Southeast Asian Bulletin of Mathematics* (2020) 44: 479–490
(UGC Care List)
- (10) B. B. Chaturvedi and **B. K. Gupta**, On Ricci Pseudo-Symmetric Super Quasi-Einstein Hermitian Manifolds, *Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics* 69(2020) 172-182,
(UGC Care List)
- (11) **B. K. Gupta**, B. B. Chaturvedi and M. A. Lone, ON RICCI SEMI-SYMMETRIC MIXED SUPER QUASI-EINSTEIN HERMITIAN MANIFOLD, *DIFFERENTIAL GEOMETRY-DYNAMICAL SYSTEMS*, 20 (2018), 72-82.
(UGC Care List)
- (12) B. B. Chaturvedi and **B. K. Gupta**, SIX-DIMENSIONAL BULK VISCOUS FLUID COSMOLOGICAL MODEL IN $F(R, T)$ GRAVITY THEORY, *BULG. J. PHYS.* 44 (3) (2017) 288–298
(UGC Care List)
- (13) B. B. Chaturvedi and **B. K. Gupta**, STUDY OF A HYPERBOLIC KAEHLERIAN MANIFOLDS EQUIPPED WITH A QUARTER- SYMMETRIC METRIC CONNECTION, *FACTA UNIVERSITATIS (NIS), SER. MATH. INFORM.* 30 (1), 2015, 115-127.
- (14) B. B. Chaturvedi and **B. K. Gupta**, Quasi-conformal Curvature Tensor of Generalized Sasakian-Space-Forms, *Facta Universitatis' Series Mathematics and Informatics* 35(1) 2020, 89-99.
- (15) B. B. Chaturvedi and **B. K. Gupta**, STUDY OF CONHARMONIC RECURRENT SYMMETRIC KAEHLER MANIFOLD WITH SEMI-SYMMETRIC METRIC CONNECTION, *J. INTERNAT ACAD. PHY. SCI.* 18 (1) (2014), 11-18.
- (16) B. B. Chaturvedi and **B. K. Gupta**, STUDY OF A SEMI-SYMMETRIC SPACE WITH A NON-RECURRENT TORSION TENSOR, *J. INTERNAT ACAD. PHY. SCI.* 20(3)(2016), 155-163.
- (17) **B. K. Gupta** and B. B. Chaturvedi, A New Type of Generalized Quasi-Einstein Manifold, *New Trends in Mathematical Sciences*, **6 (2), (2018), 159-165.**
- (18) B. B. Chaturvedi and **B. K. Gupta**, STUDY OF TIME DEPENDENT COSMOLOGICAL TERM Λ IN A SIX DIMENSIONAL COSMOLOGICAL MODEL, *GEN. MATH. NOTES*, 37(1), (2016), 32-41.
- (19) B. B. Chaturvedi and **B. K. Gupta**, E-Bochner curvature tensor on almost $C(\lambda)$ manifolds, *FACTA UNIVERSITATIS (NIS), SER. MATH. INFORM.*

Paper Presented in the Conferences:

1. B. B. Chaturvedi and B. K. Gupta, STUDY ON SEMI-SYMMETRIC METRIC SPACES, *NATIONAL CONFERENCE ON DIFFERENTIAL GEOMETRY AND ITS APPLICATIONS*, DECEMBER 27-28, 2014, UNIVERSITY OF ALLAHABAD.
2. B. B. Chaturvedi and B. K. Gupta, SOME INVESTIGATION ON COSMOLOGICAL MODEL, *RECENT TRENDS IN MATHEMATICS*, JULY 10 -12, 2015, UNIVERSITY OF

ALLAHABAD.

3. B. B. Chaturvedi and B. K. Gupta, ON A SEMI-SYMMETRIC SPACE WITH A NON-RECURRENT TORSION TENSOR, *RECENT TRENDS IN PHYSICAL SCIENCES*, DECEMBER 22-24, 2015, UNIVERSITY OF ALLAHABAD.
4. B. B. Chaturvedi and B. K. Gupta, STUDY OF A HYPERBOLIC KAEHLERIAN MANIFOLDS EQUIPPED WITH A QUARTER- SYMMETRIC METRIC CONNECTION, *RECENT TRENDS IN MATHEMATICAL SCIENCES AND APPLICATIONS*, FEB 09-11, 2016, UNIVERSITY OF BURDWAN.
5. B. B. Chaturvedi and B. K. Gupta, ON SLANT SUBMANIFOLD OF A KAEHLER-NORDEN MANIFOLD, *RECENT TRENDS IN MATHEMATICS*, JULY 23-24, 2016, DDU GORAKHPUR, UNIVERSITY.
6. B. B. Chaturvedi and B. K. Gupta, C-BOCHNER CURVATURE TENSOR ON ALMOST $C(\Lambda)$ MANIFOLDS, *DIFFERENTIAL GEOMETRY, ALGEBRA AND ANALYSIS*, NOV 15-17, 2016, DEPARTMENT OF MATHEMATICS JAMIA MILLIA ISLAMIA, NEW DELHI.
7. B. B. Chaturvedi and B. K. Gupta, ON BOCHNER RICCI SEMISYMMETRIC HERMITIAN MANIFOLDS, *ICMSA*, FEB, 23-25, 2018, DEPARTMENT OF PURE & APPLIED MATHEMATICS, GURU GHASIDAS VISHWAVIDYALAYA (A CENTRAL UNIVERSITY)

Attended Training Programme/Workshop:

1. ATM workshop on Geometry and Topology, National Center for Mathematics (A joint centre of TIFR AND IIT Bombay), Nov 02-07, 2015, HRI Allahabad.

Reviewer of the Journals:

- (1) Novi Sad Journal Of Mathematics, Serbia
- (2) Southeast Asian Bulletin of Mathematics, Southeast Asia

Languages Known: Hindi, English.

Software Skills: Basic Knowledge of Computer, Latex, Matlab etc.

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