

Curriculum Vitae

Dr. Abhijit Mandal

Assistant Professor and Head of the Department,
Department of Mathematics,
Raiganj Surendranath Mahavidyalaya,
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Courses taught:

B.Sc. Mathematics (Honours and General):

Teaching interest:

Real Analysis, Geometry, Algebra, Topology, Discrete Mathematics.

Education:

Ph.D. in Mathematics,
Department of Mathematics, Raiganj University,
Title of Thesis: "A STUDY OF DIFFERENTIABLE MANIFOLDS ADMITTING ZAMKOVY
CONNECTION"

Research interest:

Differential Geometry.

Papers published in journals:

- 1) **Abhijit Mandal** and Ashoke Das, "*Projective curvature tensor with respect to Zamkovoy connection in Lorentzian para-Sasakian manifolds*", Journal of The Indonesian Mathematical Society, Vol. 26, No. 03, 369-379 (2020).
- 2) **Abhijit Mandal** and Ashoke Das, "*On M-projective curvature tensor of Sasakian manifolds admitting Zamkovoy connection*", Advances in Mathematics: Scientific Journal, Vol. 9, No. 10, 8929-8940 (2020).
- 3) Ashoke Das and **Abhijit Mandal**, "*Study of Ricci soliton on concircularly flat Sasakian manifolds admitting Zamkovoy connection*", The Aligarh Bulletin of Mathematics, Vol. 39, No. 02, 47-61 (2020).
- 4) **Abhijit Mandal** and Ashoke Das, "*LP-Sasakian manifolds equipped with Zamkovoy connection and conharmonic curvature tensor*", Journal of The Indonesian Mathematical Society, Vol. 27, No. 03, 137-149 (2021).
- 5) **Abhijit Mandal**, "*Zamkovoy connection on Lorentzian para-Sasakian manifolds*", Journal of Advance Mathematical Studies, Vol. 14, No. 3, 420-430 (2021).
- 6) **Abhijit Mandal** and Ashoke Das, "*On pseudo projective curvature tensor of Sasakian manifolds admitting Zamkovoy connection*" Journal of Hyperstructures, Vol. 10, No. 02, 52-67 (2021).
- 7) **Abhijit Mandal**, Gopan Saha, Ashoke Das, "*Some curvature properties and Ricci soliton on Sasakian manifold admitting a metric connection*", Journal of Advance Mathematical Studies, Vol. 15, No. 2, 223-234 (2022).
- 8) **Abhijit Mandal**, Ashoke Das, Afsar Hossain Sarkar "*Ricci soliton on Sasakian manifolds admitting Zamkovoy connection*", Italian Journal of Pure and Applied Mathematics, No. 47, 769-779 (2022).

- 9) **Abhijit Mandal**, Afsar Hossain Sarkar, Ashoke Das, "*Zamkovoy connection on Lorentzian para-Kenmotsu manifold*", Bulletin of the Calcutta Mathematical Society, Vol. 114, No. 03 (2022).
- 10) **Abhijit Mandal**, Afsar Hossain Sarkar, Ashis Biswas, Ashoke Das, "*Some Curvature Properties of para-Kenmotsu manifold with respect to Zamkovoy connection*", Journal of Hyperstructures (Accepted).

Attained Workshops / School/ FIP/ FDP:

- 1) UGC Sponsored Faculty Induction Programme, Organized by HRDC University of Mysore, Mysore, duration from 9th December, 2020 to 5th January, 2021.
- 2) NASI-TMC Summer School on Differential Geometry, Organized by the Department of Mathematics and Statistics, Central University of Punjab, Bhatinda during July, 05-24, 2021.
- 3) Faculty Development Programme on Mathematical Analysis, Conducted by HRDC, Punjab University, Chandigarh during 4th January, 2022 to 10th January, 2022.
- 4) National Workshop on Ancient Indian Mathematics, Organized by the Department of Mathematics and Statistics, Central University of Punjab, Bhatinda during March, 14-16, 2022.

Attained Seminar/ Webinar:

Sl. No	Title of the paper presented	Title of conference	Organizer	Duration	Whether National/ International
1.	On the conharmonic curvature tensor of Sasakian manifolds admitting Zamkovoy connection	International web conference on Complex Analysis and Differential Geometry	Department of Mathematics, Sidho Kanho Birsha University, in association with IQAC, SKBU.	29/06/2020 to 29/06/2020	International
2.	On the concircular curvature tensor of Sasakian manifolds admitting Zamkovoy connection	Recent Advances in Pure and Applied Mathematics 2020. (RAPAM-2020)	Narazole Raj College.	10/07/2020 to 11/07/2020	National
3.	On pseudo projective curvature tensor of Sasakian manifolds admitting Zamkovoy connection	Recent Advances in Pure and Applied Mathematics 2020. (RAPAM-2020)	Kurseong College.	24/08/2020 to 25/08/2020	International