DR. AJIT BARMAN

Residential address:
Dr. Ajit Barman
S/O: Late Hem Ch. Barman
Vill: Choudhyri Mill
P.O.: Arundhuti Nagar,
Milan Sangha, Bardowali,
Agartala, Tripura (West)
Pin-799003

Address for correspondence:
Dr. Ajit Barman
Assistant Professor
Dept. of Mathematics
Ramthakur College
Badharghat, Agartala
Tripura (West)
Pin 799003

Contact Information:

Mobile: +91-9436181713
E-mail: ajitbarmanaw@ yahoo.in

Personal Information:

Sex :- Male.
Parents :- Late Hem Chandra Barman and Late Dwayamanti Barman.
Date of birth :- 06th March, 1980.
Place of birth :- Melaghar Rajghat, Dist.:- Sepahijala Tripura, India.
Nationality :- Indian by birth.
Marital Status :- Married.

Research Interest :-

Area of study : **Differentiable manifolds admitting certain type of connections, Riemannian Manifolds and semi-Riemannian Manifolds.**

Ph.D in February, 2015. Awarded by Calcutta University, West Bengal, India.

Research work done at Department of Pure Mathematics, University of Calcutta, 35, Ballygaungen Circular Road, Kolkata 700019, West Bengal, India.

Thesis Title :- Investigations on Differentiable manifolds admitting certain type of connections.

Thesis Supervisor :- **Professor (Dr.) Uday Chand De (U C De)**
                          Department of Pure Mathematics,
                          University of Calcutta, 35, Ballygaungen Circular Road,
                          Kolkata 700019, West Bengal, India.

*One of my work is accepted for publication in ASIAN JOURNAL OF MATHEMATICS AND PHYSICS (Title:- A Class of Almost Contact Metric Manifolds, Volume -04 Issue-01, Year-2020, page -01 to 06), there I have suggested a new type of manifold and the editor has agreed to refer it as **Barman Manifold**.

Teaching Experience: More than 11 years

Assistant Professor, Department of Mathematics, Belonia College, Belonia, Tripura (South), India (21.04.2008-04.11.2008)

Assistant Professor, Department of Mathematics, Kabi Nazrul Mahavidyalaya, Sonamura, Tripura (Sepahijala), India (05.11.2008-31.12.2016)

Assistant Professor, Department of Mathematics, Ramthakur College, Agartala, Tripura (West), India (02.01.2017-till date)

Membership of Learned Societies

- Life member of Calcutta Mathematical Society.

Faculty Development Programme:

- ➢ Orientation Programme (14th February – 14th March, 2011) conducted by UGC-Academic staff college Jadavpur University, Jadavpur University .

- ➢ Pedagogical Training for Mathematics Teachers (01st – 14th December - 2014) conducted byTripura University (A Central University) and funded by NBHM AND Tripura University.

- ➢ The Technical Writing using LATEX held during July 28 to 30, 2016 at TIT, Narsingarh, Tripura west.

- ➢ The Discrete mathematics and its application in Engineering held during October 28 to 30, 2016 at TIT, Narsingarh, Tripura west.

Present Position:-

Assistant Professor, Department of Mathematics, Ramthakur College, Agartala, West Tripura, India (02.01.2017-Till date)

Publications:

1. **Barman A**., On a type of quarter-symmetric non-metric ϕ-connection on a Kenmotsu manifold, Bull. of Math. Analysis and Applications, 4(2012), 1-11. http://www.bmathaa.org , IF-1.0434.

2. **Barman A**., On a special type of Riemannian manifold admitting a type of semi-symmetric metric connection, Novi Sad J. Math., 42(2012), 81-88. Index-5H.

3. **Barman A. and De U. C**., Projective curvature tensor of a semi-symmetric metric connection in a Kenmotsu manifold, IEJG, 6(2013), 159- 169. IF-0.50.

4. **Barman A.,** Semi-symmetric non-metric connection in a P-Sasakian manifold, Novi Sad J. Math., 43(2013), 117-124. Index-5H.

5. **Barman A.,** On Para-Sasakian manifolds admitting semi-symmetric metric connection, Publi. de L'inst. Math., 95(2014), 239-247. Index-11 H, IF-0.63.

6. **Barman A.,** A type of semi-symmetric non-metric connection on non-degenerate hypersurfaces of semi-Riemannian manifolds, Facta Univer. (NIS), 29(2014), 13-23. Index-5H, IF-1.871.

7. **Barman A.,** On Lorentzian α-Sasakian manifolds admitting a type of semi-symmetric metric connection, Novi Sad J. Math., 44(2014), 77- 88.Index-5H, IF-0.48.

8. **Barman A. and De U. C.,** Semi-symmetric non-metric connections on Kenmotsu manifolds, Romanian J. Math. and Comp. Sci., 5(2014), 13-24

9. **Barman A.,** Concircular curvature tensor of a semi-symmetric metric connection in a Kenmotsu manifold, Thai J. of Math., 13(2015), 245-257. http://thaijmath.in.cmu.ac.th , Index-11 H, IF-0.50.

10. **Barman A.,** On a type of semi-symmetric non-metric connection on Riemannian manifolds, Kyungpook Math. J. 55(2015), 731-739. http://dx.doi.org/10.5666/KMJ.2015.55.3.731 , Index-13 H, IF-0.76.

11. **De U. C. and Barman A**., On a type of semi-symmetric metric connection on a Riemannian manifold, Publications de L'institut Matheatique, 98(112)(2015),211-218. Index-11 H, IF-0.94.

12. **Barman A.,** Weakly symmetric and weakly-Ricci symmetric LP-Sasakian manifolds admitting a quarter-symmetric metric connection, Novi Sad J. Math., 45(2015),143-153.Index-5H, IF-0.23.

13. **Barman A**., Non-degenerate hypersurfaces of a semi-Riemannian manifold with a quarter-symmetric non-metric connection, Acta Mathematica Academiae Paedagogicae Nyiregyhaziensis, 32(2016), 141-148. Index- 5H, IF-0.48.

14. **Barman A.,** On N(k)-contact metric manifolds admitting a type of semi-symmetric non-metric connection, Acta Mathematica Universitatis Comenianae, 86(2017),81-90. Index-14 H, IF-0.59.

15. **Barman A. and Ghosh, G.,** Concircular Curvature Tensor of a Semi- symmetric Non-metric Connection on P -Sasakian Manifolds, Analele Universitatii de Vest, Timisoara Seria Matematica Informatica, 56(2016), 47-58.

16. **Barman A.,** Concircular curvature tensor on a P-Sasakian manifold admitting a quarter-symmetric metric Connection, Kragujevac Journal of Mathematics, 42(2)(2018), 273-283. Index-10 H, IF-1.05.

17. **Barman A.,** On LP-Sasakian manifolds admitting a semi-symmetric non-metric connection, Kyungpook Math. J., 58(2018), 105-116. https://doi.org/10.5666/KMJ.2018.58.1.105, Index-13 H, IF-0.76.

18. **Barman A., Majhi P. and De U.C.,** On Kenmotsu mabifolds admitting a special type of semi-symmetric non-metric ϕ -connection, Novi Sad J. Math., 48(1,)(2018), 47-60. https://doi.org/10.30755/NSJOM.06311, Index-5H, IF-0.23.

19. **Barman A.,** A special type of quarter-symmetric non-metric connection on P-Sasakian manifolds, Bull. of the Transilvania University of Brasov Series III: Math., Inform., Physics, 11(60)(1) (2018), 11-22. Index-5H, IF-0.31.

20. **Barman A.,** Conharmonic curvature tensor of a quarter-symmetric metric connection in a Kenmotsu manifold, Facta Universitatis (NIS)Ser. Math. Inform., 33(2018), 561-575. https://doi.org/10.22190/FUMI1804561B, Index-5H, IF-1.871.

21. **Barman A.,** A remark on the Lorentzian almost contact metric manifolds, Asian Journal of Mathematics and Application, 2019,Pages-09. http://scienceasia.asia/index.php/ama/article/view/494 , IF-2.53.

22. **Barman A.,** On Para-Sasakian manifolds admitting a special type of semi-symmetric non-metric η -connection, Palestine Journal of Mathematics, 8(2)(2019), 266-274.

23. . **Barman A.,** A Class of Almost Contact Metric Manifolds, Asian Journal of Mathematics and Physics, 04(01)(2020), 01-06.

Other Relevant Information:-

Reviewer of (i) Navi Sad Journal of Mathematics, (ii) Facta journal of Mathematics, (iii) Mathematica Moravica, (iv) Honam mathematical journal, (v) Acta et commentationes Universitatis Tartuensis de Mathematica, (vi) Universal Journal of Mathematics and Applications (Dergi Park).