



UNIVERSITY OF CALCUTTA

FACULTY ACADEMIC PROFILE / CV

1. **Full name of the faculty member :** Pradip Majhi
2. **Designation :** Assistant Professor
3. **Specialization :** Differential Geometry
4. **Passport size photograph :**



5. **Contact information :**

Department of Pure Mathematics, University of Calcutta,
35, Ballygunge Circular Road, Kolkata - 700019.

E-mail: mpradipmajhi@gmail.com

pmpm@caluniv.ac.in

Mobile no. - 0980416045

6. **Academic qualifications :**

College/University from which the degree was obtained	Abbreviation of the degree
K. N. College (under KU)	B. Sc.
IIT Kanpur	M. Sc.
University of Calcutta	Ph. D.

7. Positions held/holding :

- (i) Assistant Professor in Mathematics in North Bengal University from November, 2012 to August, 2016.
- (ii) Assistant Professor in Pure Mathematics in Calcutta University from August, 2016 to till date.

8. Research interests :

Differential Geometry of contact and complex manifolds

9. Research guidance :

- Number of researchers pursuing M.Phil/Ph.D. : 04

10. Select list of publications :

a) Journals :

1. Dey, D. and Majhi, P., On a class of almost Kenmotsu manifolds admitting an Einstein like structure, Published in *Sao Paulo Journal of Mathematical Sciences*, 15, 335-343 (2021). (DOI: <https://doi.org/10.1007/s40863-021-00228-1>)
2. Dey, D. and Majhi, P., Sasakian 3-manifolds satisfying some curvature conditions associated with Z-tensor, Published in *J. Korean Soc., Math. Edu. Series B*, 28(2021) (2), 143-153.

3. Dey, D. and Majhi, P., Sasakian 3-metric as a generalized Ricci-Yamabe soliton, Published in *Quaestiones Mathematicae*, 2021. (DOI: <https://doi.org/10.2989/16073606.2021.1882604>)
4. Dey, D. and Majhi, P., Almost Kenmotsu Manifolds Admitting Certain Vector Fields, *Khayyam J. Math.* (2021) (Accepted).
5. Dey, D. and Majhi, P., A classification of α -almost Kenmotsu manifolds admitting Cotton tensor, *Commun. Fac. Sci. Univ. Ank. Ser. A1. Math. Stat.* 70(2021), No. 1, 52-63.
6. Kar, D. and Majhi, P., Contact metric manifolds satisfying Fischer-Marsden equation, *Electro. J. Math. Anal. Appl.*, 9(2) (2021), 143-150.
7. Kar, D. and Majhi, P., Certain vector fields on 3-dimensional $N(k)$ -contact metric manifolds, *Differential Geometry-Dynamical System*, 23 (2021), 66-72.
8. Kar, D. and Majhi, P., Cotton tensor on Sasakian 3-manifolds admitting α -Ricci solitons, accepted for publication in *Commun. Fac. Sci. Univ. Ank. Ser. A1 Math. Stat*, 2021.
9. Dey, D. and Majhi, P., α -Ricci tensor on almost Kenmotsu 3-manifolds, Published in *Int. J. Geom. Methods Mod. Phys.*, 2020. (Doi.org/10.1142/S0219887820501960)
10. Majhi, P. and Kar, D., Yamabe solitons on generalized Sasakian-space-forms, *The Mathematics Student*, Vol. 89, Nos. 1-2 (2020), 91-101.
11. Majhi, P. and Kar, D., Almost conformal Ricci solitons on almost co-kahler manifolds, accepted for publication in *Acta Univ. Apulensis Math. Inform.*, 2020.
12. Dey, D. and Majhi, P., α -Critical point equation on a class of almost Kenmotsu manifolds, *Journal of Geometry*. 111:16 (2020).
13. Majhi, P. and Biswas, A., Some special curves in three dimensional f -Kenmotsu manifolds, *J. Korean Soc, Math. Edu.*, 27(2020), 83-96.
14. Majhi, P. and Biswas, A., Certain curves associated with f -Kenmotsu manifolds, *Journal of Dynamical Systems and Geometric Theories*, 18(1)(2020), 39-51.
15. Dey, D. and Majhi, P., α -Ricci solitons and α -gradient Ricci solitons on 3-dimensional trans-Sasakian manifolds, *Commun. Korean Math. Soc.* 35(2020), No. 2, 625-637.

16. Dey, D. and Majhi, P., Some critical metrics on 3-dimensional trans-Sasakian manifolds, *Palest. J. Math.* 9(2)(2020)., 824-831.
17. Kar, D. and Majhi, P., Three dimensional Sasakian manifolds admitting η -Ricci solitons, *Bulletin of the Transilvania University of Braşov* • Vol 12(61), No. 2 - 2019, Series III: Mathematics, Informatics, Physics, 319-332.
18. Majhi, P. and Kar, D., Eta-Ricci solitons on LP-Sasakian manifolds, *Revista De La Union Matematica Argentina*, Vol. 60, No. 2, (2019), 391-405.
19. Majhi, P. and Kar, D., Beta-almost Ricci solitons on Sasakian 3-manifolds, *CUBO A Mathematical Journal*, Vol. 21(03)(2019), 63-74.
20. Dey, D. and Majhi, P., η -Critical point equation on $N(k)$ -contact manifolds, *Bulletin of the Transilvania University of Brasov* • Vol 12(61), No. 2 - 2019, Series III: Mathematics, Informatics, Physics, 275-282.
21. Kar, D. and Majhi, P., Beta-almost Ricci solitons on almost co-Kähler manifolds. *Korean J. Math.* 27 (2019), no. 3, 691-705.
22. Dey, D. and Majhi, P., Almost Kenmotsu metric as a conformal Ricci soliton. *Conform. Geom. Dyn.* 23 (2019), 105-116.
23. Kar, D. and Majhi, P., Almost co-Kähler manifolds satisfying Miao-Tam equation. *Journal of Geometry*, 110 (2019), no. 1, Art. 4, 10 pp.
24. Majhi, P. and Ghosh, G., Certain results on generalized (k, μ) - contact manifolds. *Bol. Soc. Parana. Mat.* (3) 37 (2019), no. 3, 131-142.
25. De, U. C. and Majhi, P., On the Q curvature tensor of a generalized Sasakian-space-form. *Kragujevac J. Math.* 43 (2019), no. 3, 333-349.
26. De, U. C., Majhi, P. and Suh, Y. J., Semisymmetric properties of almost co-Kähler 3-manifolds. *Bull. Korean Math. Soc.* 56 (2019), no. 1, 219- 228.
27. Tang, W., Majhi, P., Zhao, P. and De, U. C., Legendre curves on 3-dimensional Kenmotsu manifolds admitting semi-symmetric metric connection. *Filomat* 32 (2018), no. 10, 3651-3656.
28. Suh, Y. J., Majhi, P., and De, U. C., On mixed quasi- Einstein spacetimes, *Filomat* 32 (2018), no. 8, 2707-2719.

29. De, U. C., Suh, Y. J. and Majhi, P., Ricci solitons, on η -Einstein contact manifolds, *Filomat* 32 (2018), no. 13, 4679–4687.
30. Dey, D. and Majhi, P., On the quasi-conformal curvature tensor of an almost Kenmotsu manifold with nullity distributions. *Facta Univ. Ser. Math. Inform.* 33 (2018), no. 2, 255–268.
31. Majhi, P., De, U. C. and Suh, Y. J., \ast -Ricci solitons and Sasakian 3-manifolds. *Publ. Math. Debrecen* 93 (2018), no. 1-2, 241–252.
32. De, U. C., Ghosh G., Jun, J. B. and Majhi, P., Some results on paraSasakian manifolds. *Bull. Transilv. Univ. Braşov Ser. III* 11(60) (2018), no. 1, 49–63.
33. Kar, D., Majhi, P. and De, U. C., η -Ricci solitons on 3-dimensional $N(K)$ - contact metric manifolds. *Acta Univ. Apulensis Math. Inform.* No. 54 (2018), 71–88.
34. Barman, A., De, U. C. and Majhi, P., On Kenmotsu manifolds admitting a special type of semi-symmetric non-metric ϕ -connection. *Novi Sad J. Math.* 48 (2018), no. 1, 47–60.
35. Ljubica, V., Majhi, P. and De, U. C., Almost pseudo- Q -symmetric semi-Riemannian manifolds. *Int. J. Geom. Methods Mod. Phys.* 15 (2018), no. 7, 1850117, 21 pp.
36. De, U. C., Majhi, P. and Mallick, S., Pseudo projective Ricci symmetric spacetimes. *Commun. Korean Math. Soc.* 33 (2018), no. 2, 571– 580.
37. Majhi, P. and Ghosh, G., Conircular vectors field in (k,μ) - contact metric manifolds. *Int. Electron. J. Geom.* 11 (2018), no. 1, 52–56.
38. Ghosh, G., Majhi, P. and De, U. C., On a classification of almost Kenmotsu manifolds with generalized (k,μ) '-nullity distribution. *Kyungpook Math. J.* 58 (2018), no. 1, 137–148.
39. De, U. C. and Majhi, P., On pseudo semi-projective symmetric manifolds, *Journal Korean Math. Soc.*, 55(2)(2018), 391-413.
40. Majhi, P., De, U. C. and Yildiz, A., On a class of generalized Sasakian-space-forms. *Acta Math. Univ. Comenian. (N.S.)* 87 (2018), no. 1, 97–106.

41. Ghosh, G. and Majhi, P., Certain results on almost Kenmotsu manifolds with conformal Reeb foliation. *Commun. Korean Math. Soc.* 33 (2018), no. 1, 261–272.
42. De, A. and Majhi, P., Weakly Ricci symmetric spacetimes. *Int. J. Geom. Methods Mod. Phys.* 15 (2018), no. 1, 1850007, 10 pp.
43. Majhi, P. and Ghosh, G., On a classification of para-Sasakian manifolds. *Facta Univ. Ser. Math. Inform.* 32 (2017), no. 5, 781–788.
44. Majhi, P., De, U. C. and Kar, D., η -Ricci solitons on Sasakian 3-manifolds. *An. Univ. Vest Timiș. Ser. Mat.-Inform.* 55 (2017), no. 2, 143–156.
45. Majhi, P. and De, U. C., On three dimensional generalized Sasakian-space-forms. *J. Geom.* 108 (2017), no. 3, 1039–1053.
46. Majhi, P., Classifications of K-contact manifolds satisfying certain curvature conditions, *Bulletin of the Transilvania University of Brașov* • Vol 10(59), No. 1 - 2017, Series III: Mathematics, Informatics, Physics, 103-114.
47. Majhi, P., Almost Ricci soliton and gradient Ricci soliton on 3-dimensional f-Kenmotsu manifolds, *Kyungpook Math. Journal*, 57(2017), 309-318.
48. Majhi, P. and De, U. C., Classification of Ricci semisymmetric contact metric manifolds, *Filomat*, 31(8)(2017), 2527-2535.
49. Majhi, P., A note on α -Para Kenmotsu manifolds, *Facta Universitatis (Nis), Ser. Math. Inform*, 31(1) (2016), 227-236.
50. De, U. C. and Majhi, P., ϕ -symmetric Generalized Sasakian space forms, *Arab Journal of Mathematical Sciences, Elsevier*, 21(2015), 170-178.
51. Majhi, P., WeylsemisymmetricSubmanifolds satisfying Chen's equality, *Afr. Mat.*, 26(2015), 523-528.
52. De, U. C. and Majhi, P., On invariant submanifolds of Kenmotsu manifolds, *Journal of Geometry*, 106(2015), 109-122.
53. Majhi, P., and De, U. C., Classifications of N(k)-contact metric manifolds satisfying certain curvature conditions, *Acta Math. Univ. Commenianae*, LXXXIV (1)(2015),167-178.

54. Majhi, P., Matsuyama, Y., and De, U. C., On a class of K-contact manifolds, *Revista De La Academia Canaria De Ciencias*, XXVI (2014), 9-20.
55. De, U. C. and Majhi, P., Properties of the quasi-conformal curvature tensor of Kahler-Norden manifolds, *Mathematica Moravica*, 18(2014), 21-28.
56. Majhi, P., On some classes of nearly Kenmotsu manifolds, *J. Pure. Math.* 29/30(2013), 66-63.
57. Majhi, P., and De, U. C., On some classes of submanifolds satisfying Chen's equality in an Euclidean space, *Tamsui oxford Journal of Information and Mathematical Sciences*, 29(2013), 417-426.
58. Majhi, P., and De, U. C., Concircular curvature tensor on K-contact manifolds, *Acta Math. Acad. Paed. Nyir (AMAPN)*, 29(2013), 89-99.
59. Majhi, P., On some invariant submanifolds of Kenmotsu manifolds, *The Math. Student*, 82(2013), 217-231.
60. Majhi, P., and De, U. C., A note on anti-Kahler manifolds, *Indian J. of Mathematics*, 55(2013), 185-193.
61. Majhi, P., and De, U. C., On weak symmetries of Kahler-Norden manifolds, *Facta Universitatis (Nis)*, Ser. Math. Inform. , 28(2013), 97-106.
62. De, U. C. and Majhi, P., Certain curvature properties of Generalized Sasakian - space-forms, *Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci.* 83(2013), 137-141.
63. De, U. C., and Majhi, P., On a type of contact metric manifold, *Lobachevskii Journal of Mathematics*, 34(2013), 89-98.
64. Majhi, P., and De, U. C., The structure of a class of generalized Sasakian-space-forms, *Extracta Math.* 27(2012), 301-308.
65. De, U. C., and Majhi, P., Certain curvature properties of generalized Sasakian space forms, *FactaUniversitatis(Nis)*, Ser. Math. Inform. , 27(2012), 271-282.

b) Conference/seminar volumes :

- Majhi, P., On generalized Sasakian space-forms, Proceedings of nineteenth International workshop on Hermitian-Grassmannian Submanifolds and its Applications 19(2015), 205-233.

11. Membership of Learned Societies :

- Calcutta Mathematical Society (Life Member)
- Bharata Ganita Parisad (Life Member)

12. Invited lectures delivered :

- Invited speaker of "19th International Workshop on Differential Geometry and Related Fields" at NIMS, Daejeon, Korea during 26-28 October, 2015.
- Invited speaker of "Mini workshop on Pseudo-Projective Curvature tensor" at Kyungpook National University, Daegu, Korea during 3-5 November, 2016.
- Invited speaker on "NCMAA-2017" organized by Bharata Ganit Parisad, Department of Mathematics and Astronomy, University of Lucknow during 18-19, November, 2017.
- Invited speaker of "2018 KMJ conference for accreditation Strategies" at Kyungpook National University, Daegu, Korea during 8-10 January, 2018.
- Invited speaker of "Mini workshop on Riemannian Geometry and related fields" in RIMCM, Global Plaza #1001, at Kyungpook National University, Daegu, Korea on January 10, 2018.
- Invited speaker on "One day International Webinar on Recent Trends in Mathematics" organized by Department of Mathematics, Nagar College, Murshidabad, WB, India on 28th September, 2020.
- Invited speaker on "86th Annual conference of the Indian Mathematical Society- An Internal Meet (IMS-2020) " organized by Department of Mathematics,

School of Advanced Sciences, Vellore Institute of Technology, Vellore, India
and Indian Mathematical Society on December, 17-20, 2020.

13. Other activities:

- Reviewer of the Mathematical Reviews, USA.
- Have been acting as a reviewer of some reputed National and International Journals.
- Acted as paper setter, moderator and examiner in various examinations of different Universities.
- Organized few Seminars/Conferences/Workshops as a convenor at the Department of Pure Mathematics, University of Calcutta.