Curriculum Vitae

Name	Tarak Mandal
Designation	Assistant Professor
Department	Department of Mathematics
Institution	Jangipur College
Mobile	9093777394
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Academic Qualification

Examination	College/University	Year of Passing
B.Sc	**Chakdaha College, University of Kalyani**	**2006**
M.Sc	**University of Kalyani**	**2008**
NET	**CSIR**	**2012**
Ph.D	**University of Kalyani**	**Pursuing**

Teaching Experience

Organization / Institution	Designation	Duration
Majhergram High School, Nadia	Assistant Teacher	**23.09.2009-06.03.2017**
Jangipur College	Assistant Professor	**07.03.2017-till date**

Area of Specialization: Differential Geometry, Topology, PDE, Real Analysis.

Publications (*Top Ten*):

1. **T. Mandal**, On D-homothetically deformed N(k)-contact metric manifolds, Bulletin of the Transilvania University of Brasov. Seris III: Mathematics and Computer Science, 71-88 (2021). (SCOPUS)

2. **T. Mandal**, Ricci-Yamabe solitons on (κ, μ)-almost coKähler manifolds, Afrika Matematika, 33 (2) (2022), 1-10. (SCOPUS)

3. **T. Mandal**, Miao-Tam equation on almost coKähler manifolds, Commun. Korean Math. Soc, 37 (3) (2022), 881-891. (SCOPUS)

4. **T. Mandal** and A. Sarkar, N(κ)-contact Riemann solitons with certain potential vector fields, Filomat, 37 (30) (2023), 10369-10381. (SCIE)

5. **T. Mandal**, U. Biswas and A. Sarkar, Generalized Ricci solitons on N(κ)-contact metric manifolds, Kyungpook Mathematical Journal, 63 (2) (2023), 313-324. (SCOPUS)

6. **T. Mandal** and A. Sarkar, $*$-conformal Ricci solitons on almost coKähler manifolds, Commun. Korean Math. Soc., 38(3) (2023), 865-880. (SCOPUS)

7. U.C. De, **T. Mandal** and A. Sarkar, Miao-Tam equation and Ricci solitons on three-dimensional trans-Sasakian generalized Sasakian space-forms, Universal Journal of Mathematics and applications, 7 (1) (2024), 1-11. (SCOPUS)

8. G. Mitra, **T. Mandal** and A. Sarkar, Nearly vacuum static equations on K-contact manifolds and its applications in spacetimes, The European Physical Journal Plus, 139 (2) (2024), 1-10. (SCI)

9. **T. Mandal**, A. Sarkar and U.C. De, On nearly vacuum static equations in almost coKähler manifolds with applications to spacetimes, Analysis and Mathematical Physics, 14 (3), 66, 2024. (SCIE)

10. **T. Mandal**, U.C. De, M. A. Khan and M. N. I. Khan, A study on contact metric manifolds admitting a type of solitons, Journal of Mathematics. (Accepted) (SCIE)

Paper Presented/Attended/Resource Person in Seminar/Conference/Workshops/FDP's (*Top Ten*):

1. Presented a paper entitled **Conformal Ricci solitons on LP-Sasakian manifolds admitting Zamkovoy connection** in the **International Conference on Recent Developments in Mathematical Sciences (ICRDMMS 2021)**organized by Calcutta Mathematical Society, 9^{th}-11^{th} December, 2021**.**

2. Presenteda paper entitled **Ricci-Yamabe solitons on (κ, μ)-almost coKähler manifolds** in the **National Webinar on Recent Advances in Mathematics and its Applications (RAMA-2022)** organized byDepartment of Pure Mathematics, University of Calcutta**,** 10^{th} -11^{th} March, 2022**.**

3. Presented a paper entitled **Miao-Tam equation on almost coKähler manifolds** in the **International Conference on Mathematical Analysis and Applications (ICOMAA-2022)** organized by the Department of Mathematics, University of Kalyani, 28^{th}-29^{th} June, 2022.

4. Presented a paper entitled **$\star$-conformal Ricci solitons on almost coKähler manifolds** in the **International Webinar on Recent Trends in Mathematical Theory and Applications** organized by the Department of Mathematics, West Bengal State University, 14^{th} -15^{th} December, 2022.

5. Presented a paper entitled **Certain results on three-dimensional f-Kenmotsu manifolds with conformal Ricci solitons** in the **International Webinar on Advances in Mathematical Sciences** organized by the Department of Mathematics, West Bengal State University, 30^{th} -31th March, 2023.

6. Participated in **Online workshop on curricular modifications of Undergraduate courses in Mathematics Under CBCS pattern**, Undergraduate Board of studies, Department of Mathematics, University of Kalyani, 11^{th} July, 2021.

Other details(if any):