

FACULTY MEMBER ACADEMIC PROFILE

1. **Name of the Faculty member:** Dr. SUJIT GHOSH
2. **Designation:** Assistant Professor in Mathematics (W.B.E.S.)
3. **Qualification:** M.Sc. (University of Kalyani);
B.Ed. (NSOU); Ph.D. (CU)
4. **Specialization:** Differential Geometry
5. **E-mail address:** math.sujit6@gmail.com
6. **Date of Joining in W.B.E.S.:** 25.02.2015
7. **Date of Joining in this College:** 25.02.2015
8. **Total Teaching experience in College level:** 8 years
9. **Research interests:** Differential Geometry
10. **Title of thesis (Ph.D.) with year:** “Certain Investigations on Contact Metric Manifolds” (2013)
11. **Research guidance:** Nil
12. **Research Projects (Completed):** 01



Year	Name of PI	Title of Project	Amount (in Rs.)	Duration	Funding Agency with date
2017-2019	Dr. Sujit Ghosh	Certain investigations on (k, μ) -contact metric manifolds	2,30,000/-	2 years	UGC No. F. PSW-166/15-16 (ERO) Dated 02.01.2017

13. **List of publications:**

Published papers in Peer reviewed Journals:

1. “On a class of K-contact manifolds”, U.C. De and S. Ghosh, *SUT J. Math.*, **2010**, 45, 103-118 [ISSN 0916-5746, **IF: 0.26**].
2. “On a class of (k, μ) -contact manifolds”, S. Ghosh, *Bull. Cal. Math. Soc.*, **2010**, 102, 219-226 [ISSN 0970-8596].
3. “Conharmonic curvature tensor on K-contact manifolds”, S. Ghosh, *J. Nat. Acad. Math.*, **2010**, 24, 31-30 [ISSN 0970-5228].
4. “On a class of generalized (k, μ) -contact metric manifolds” S. Ghosh and U.C. De, *Proc. Janjeon Math. Soc.*, **2010**, 13, 337-347 [ISSN 1598-7264; **IF: 0.60**].
5. “On ϕ -quasi-conformally symmetric (k, μ) -contact manifolds”, S. Ghosh and U.C. De, *Lobachevskii J. Math.*, **2010**, 31, 367-375 [ISSN 1995-0802; **IF: 0.60**].
6. “Conharmonic Curvature Tensor on N(k)-Contact Metric Manifolds”, S. Ghosh, U.C. De and A. Taleshian, *ISRN Geom.*, **2011**, Vol. 2011, Article ID 423798, 11 pages [ISSN 2090-6307].

7. "On a Class of (k, μ) -Contact Metric Manifolds", **S. Ghosh** and U.C. De, *Analele Universitatii Oradea Fasc. Matematica*, **2012**, Tom XIX, 231-242 [ISSN 1221-1265].
8. "D-Homothetic Deformation of Normal Almost Contact Metric Manifolds", U.C. De and **S. Ghosh**, *Ukrainian Math. J.*, **2012**, 64, 1331-1346 [ISSN 0041-5995; **IF: 0.189**].
9. "A Classification of Three Dimensional $N(k)$ -Contact Metric Manifolds", U.C. De and **S. Ghosh**, *Acta Universitatis Apulensis*, **2014**, 39, 1-16 [ISSN 1582-5329].
10. "On a Class of $N(k)$ -contact Metric Manifolds", U.C. De, A. Yildiz and **S. Ghosh**, *Math Reports*, **2014**, 16(66), 207-217 [ISSN 2285-3898; **IF: 0.30**].
11. "E-Bochner curvature tensor on $N(k)$ -contact metric manifolds", U.C. De and **S. Ghosh**, *Haceteppe J. Math. And Stat.*, **2014**, 43(3), 365-374 [ISSN 1303-5010; **IF: 0.277**].
12. "On C-Bochner Curvature Tensor of (k, μ) -Contact Metric Manifolds", U.C. De and **S. Ghosh**, *Novi Sad J. Math.*, **2014**, 44, 41-51 [ISSN 1450-5444].
13. "On ϕ -Ricci Symmetric (k, μ) -Contact Metric Manifolds", **S. Ghosh** and U.C. De, *Acta Math. Univ. Comenianae*, October, **2017**, Vol. LXXXVI, 2, 205-213 [ISSN 0862-9544; **IF: 0.59**].
14. " η -Ricci Solitons on Quasi-Sasakian Manifolds", *Analele Univ. De Vest Timisoara Seria Math. Infom.*, **2018**, Vol-LVI, 73-85 [ISSN 1841-3307].
15. "Almost Ricci Soliton and Gradient Almost Ricci Soliton On 3-Dimensional Normal Almost Contact Metric Manifolds", *Novi Sad J. Math*, **2019**, Vol. 49, 1-11 [ISSN 1450-5444].
16. "Isometric Immersion of 3-Dimensional Normal Almost Contact Metric Manifolds", **S. Ghosh**, *Palestine Journal of Mathematics*, **2020**, Vol. 9, 411-419 [ISSN 2219-5688].
17. "A note on almost almost quasi Yamabe soliton and gradient almost quasi Yamabe soliton" **S. Ghosh**, U. C. de and A. Yildiz, *Hacet. J. Math. Stat.*, **2021**, Vol. 50, 770-777. [ISSN 2651-477X, **IF: 0.975**].
18. "Almost quasi Yamabe soliton and gradient almost quasi Yamabe soliton in f-Kenmotsu manifolds" **S. Ghosh** and U. C. De, *Int. J. Geom. Methods. Mod. Phys.*, July, **2021**, Vol. 18. [ISSN 0219-8878, **IF: 1.874**].
19. "A note on Yamabe soliton and gradient Yamabe soliton", K. De and **S. Ghosh**, *Kyungpook Math. J.*, Jan, **2022**, Vol. 62, 179-191. [ISSN 1225-6951, **IF: 0.73**].
20. "Some Results on Normal Almost Contact Metric Manifolds of Dimension Three", **2020**, Accepted for publication in Southeast Asean Bull. Math. [ISSN 0129-2021]

14. Membership of Learned Societies/ Editorial Boards, etc.:

1. Life Member of Calcutta Mathematical Society
2. Life Member of Nadia Mathematical Society

15. Patents: Nil

16. Awards: Nil

17. Other notable activities: Nil

18. A) Participation in Seminars/Symposia/Conferences/Workshops:

1. **Presented paper** entitled "Certain results on 3-dimensional normal almost contact metric manifolds" in the **18th National Conference** on 'Recent Trends in Physical Sciences', organized by Faculty of Science, University of Allahabad on **22nd -24th December, 2015**.

2. **Presented paper** entitled “Conharmonic curvature tensor on K-contact manifolds” in the **National Seminar** on ‘*Recent Developments in Mathematics and its Applications*’, organized by Department of Mathematics, University of Kalyani on **21st -22nd January, 2016**.
3. **Presented paper** entitled “On a class of normal almost contact metric manifolds” in the **National Seminar** on ‘*Recent Advances in Mathematics and its Applications*’, organized by Department of Pure Mathematics, University of Kalyani on **24th -25th February, 2016**.
4. **Presented paper** entitled “Some results on normal almost contact metric manifolds of dimension three” in **22nd International Conference of International Academy of Physical Sciences**, organized by Dr. Ram Manohar Lohia Avadh University, Faizabad, Uttar Pradesh on **13th- 15th April, 2018**.
5. **Presented paper** entitled “Almost Ricci soliton on 3-dimensional normal almost contact metric manifolds” in **International webinar on Recent Advances on Pure and Applied Mathematics 2020** organised by Kurseong College, Kurseong, West Bengal on **24th-25th August, 2020**.
6. **Presented paper** entitled “Normal almost contact metric manifolds admitting almost Ricci soliton” in **Mathematical Modelling and Its Applications** organised by Department of Mathematics, Govt. General Degree College, Muragaccha on **18th September, 2020**.
7. **Attended Virtual Workshop on Pure Mathematics** organized by Department of Pure Mathematics, University of Calcutta, on **21-25th September, 2020**.

B) Participation in OP/RC:

1. Participated in an **Orientation Program**, sponsored by Ministry of Youth Affairs and Sports, Govt. of India, organized by Training Orientation & Research Center, Ramkrishna Mission Ashrama, Narendrapur during **29th November to 05th December, 2015**.
2. Participated in UGC sponsored **Orientation Programme** organized by UGC-HRDC, University of Calcutta, from **17th July to 12th August, 2017**.
3. Participated in UGC sponsored Refresher Course in Mathematics and Statistics organized by UGC-HRDC, Gauhati University, from **19th December, 2018 to 08th January, 2019**.
4. Participated in UGC sponsored Refresher Course in Mathematics and Statistics organized by UGC-HRDC, Gauhati University, from **24th January, 2022 to 07th February, 2022**.