

Personal Profile: Dr Haradhan Kundu

Present Address: Department of Mathematics
Bankura Zilla Saradamani Mahila Mahavidyapith,
Nutanchati, Bankura,
Pin – 722101, West Bengal, India

Educational Qualifications :

EXAMINATION	Year	UNIVERSITY
B. Sc. (MATH. HON'S)	2008	THE UNIVERSITY OF BURDWAN
M. Sc. (PURE MATHEMATICS)	2010	THE UNIVERSITY OF BURDWAN
Ph. D. (Differential Geometry)	2018	THE UNIVERSITY OF BURDWAN

Specialization in M. Sc.:

BRANCH : PURE MATHEMATICS

SPECIAL PAPERS : (1) DIFFERENTIAL GEOMETRY OF MANIFOLDS
(2) OPERATOR THEORY AND ITS APPLICATIONS

OTHER RELEVANT INFORMATION

QUALIFIED **CSIR-NET** DECEMBER, 2009 (RANK: **CSIR-57**)

Awards:

1. CSIR research fellowship, File no.: 09/025(0194)/2010-EMR-I.
2. Third position in Model Competition in the Bengal Science Celebration held at Burdwan University during 14th -15th March, 2015.

Research Information:

RESEARCH AREA	: DIFFERENTIAL GEOMETRY, MATHEMATICAL PHYSICS	
THESIS INFORMATION	TITLE OF THE THESIS:	INVESTIGATIONS ON SOME CLASSES OF WARPED PRODUCT MANIFOLDS
	DATE OF AWARD:	27.02.2018

Research Experience:

JRF(CSIR)	: From 08.10.2010 to 31.10.2012
SRF(CSIR)	: From 01.11.2012 to 07.03.2017

Current Position: ASSISTANT PROFESSOR IN MATHEMATICS

Technical Skill:

PROGRAMMING LANGUAGE	: MATHEMATICA, C, FORTRAN
DOCUMENT PROCESSING	: MICROSOFT OFFICE, LaTeX

Publications in International Journals:
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SL. NO.	AUTHORS	TITLE	JOURNAL	VOLUME	IMAPCT FACTOR
1.	A.A. Shaikh, H. Kundu	On weakly symmetric and weakly Ricci symmetric warped product manifolds	Publ. Math. Debrecen	81 (3-4), (2012), 487-505	SCI-Exp (0.52)
2.	R. Deszcz, M. Hotłoś, J. Jełowicki, H. Kundu, A.A. Shaikh	Curvature properties of Gödel metric	Int. J. Geom. Methods Mod. Phys.	11 (03), (2014), 1450025	SCI-Exp (0.62)
3.	A.A. Shaikh, H. Kundu	On equivalency of various geometric structures	Journal of Geometry	105 (1), (2014), 139-165	--
4.	A.A. Shaikh, R. Deszcz, M. Hotłoś, J. Jełowicki, H. Kundu	On pseudosymmetric manifolds	Publ. Math. Debrecen	86/3-4, (2015), 433-456	SCI-Exp (0.52)
5.	A.A. Shaikh, H. Kundu	On warped product generalized Roter type manifolds	Balkan J. Geom. App.	21(2), (2016), 82-95	SCI-Exp (0.684)
6.	A.A. Shaikh, Indranil Roy, H. Kundu	On some generalized recurrent manifolds	Bull. Iranian Math. Soc.	43(5), (2017), 1209-1225	SCI-Exp (0.270)

7.	A. A. Shaikh, H.Kundu, Md. Showkat Ali	On Warped Product Super Generalized Recurrent Manifolds	An. Științ. Univ. Al. I. Cuza Iași. Mat. (N.S.)	LXIV (f.1), (2018) 85-100	SCI-Exp (0.414)
8.	A.A. Shaikh, H. Kundu	On curvature properties of Som-Raychaudhuri spacetime	Journal of Geometry	108(2) (2017), 501-515	--
9.	A.A. Shaikh, Indranil Roy, H. Kundu	On the Existence of a Generalized Class of Recurrent Manifolds	An. Științ. Univ. Al. I. Cuza Iași. Mat. (N.S.)	LXIV (f.2), (2018) 233-252	SCI-Exp (0.414)
10.	A.A. Shaikh, H. Kundu	On warped product manifolds satisfying some pseudosymmetric type conditions	Diff. Geom.–Dyn. Syst.	19 (2017), 119-135	--
11.	Shaikh, A. A..Kundu, H.,	On some curvature restricted geometric structures for projective curvature tensor	Int. J. Geom. Methods Mod. Phys.	15 (2018), 1850157 (38 pages)	SCI-Exp (0.62)
11.	A. A. Shaikh, H. Kundu, A. H. Hasmani	Classification of semi-Riemannian spaces using algebraic computation with Mathematica	Tensor (N. S.)	76(2) (2017) Accepted [Date: 7 th July, 2017]	--
12.	A. A. Shaikh, H. Kundu	On generalized Roter type manifolds	Kragujevac J. Math.	43(3) (2019) 471-493.	--
13.	A. A. Shaikh, H.Kundu, M. Ali, Z. Ahsan	Curvature properties of a special type of pure radiation metrics	J. Geom. Phys.	136 (2019), 195- 206	SCI (0.712)
14.	A. A. Shaikh, T. Q.Binh, H.Kundu	Curvature properties of generalized pp-wave metric	Kragujevac J. Math.	45(2) (2021), 237– 258	--
15.	A. A. Shaikh, H.Kundu, J. Sen	Curvature properties of the Vaidya metric	Indian J. Math.	61 (1)	

List of Papers Presented in International Conferences:

TITLE OF THE PAPER	NAME OF THE CONFERENCES	ORGANIZER AND DATE
On warped product manifolds satisfying some pseudosymmetric type conditions	International Conference on Mathematics and its Applications (ICMA – 2018)	Department of Mathematics, Burdwan University, during February 15-17, 2018

Curvature properties of Som-Raychaudhuri spacetime	International Conference on Exploring Advances 2017 (ICEAMS-2017)	Department of Mathematics, University of GourBanga, during Mar. 23-24, 2017
On pseudosymmetric manifold	International Conference on Recent trends in Mathematical Sciences and Applications (ICRTMSA-2016)	Department of Mathematics, Burdwan University, during February 09-11, 2016
On equivalency of various geometric structures	International Conference on Revisiting Ancient Mathematics and Mathematical Sciences (ICRAMMS-2015)	Department of Mathematics, Burdwan University, during February 18-20, 2015

List of Conferences/Symposia and Seminars Attended/Participated:

INTERNATIONAL CONFERENCES	<ol style="list-style-type: none"> 1. ICFMA-2014, Organized by Dept. of Math., Burdwan University during Jan. 29-31, 2014. 2. ICRDMSA-2010, Organized by Calcutta Mathematical Society during Dec. 09-11, 2010.
NATIONAL CONFERENCES	<ol style="list-style-type: none"> 1. AMA-2013, Organized by Dept. of Math., Burdwan University during Mar. 06-07, 2013. 2. NSMA-2012, Organized by Dept. of Math., Burdwan University during Mar. 28-29, 2012.
SEMINARS	<ol style="list-style-type: none"> 1. Bengal Science Celebration – 2015, Held at Burdwan University during Mar. 14-15, 2015. 2. 21st West Bengal State Science and Technology Congress-2014, during Feb, 20-21, 2014. 3. Colloquium on the lives and works of Sri Asutosh Mookerjee and Acharya Brajendra Nath Seal: A Retrospective Endeavour, Organized by Dept. of Math., Burdwan University on Mar. 26th, 2014. 4. 10th Micro Seminar on Nonlinear Phenomena, Organized by Dept. of Math., Burdwan University on Jul. 27th, 2012. 5. Seminar on Applications of Mathematica, at Dept. of Math., Sardar Patel University, Gujarat during Oct. 18-24, 2010.

List of Workshops Participated:

SL. NO.	NAME OF THE WORKSHOPS
1.	TIMC-BU Regional UG-Teacher Enrichment Program , held at Depart of Mathematics, The University of Burdwan, Burdwan during January 13-19, 2016.
2.	ATM Workshop on Geometry and Topology , Held at Harish-Chandra Research Institute, Allahabad during November 2- 7, 2015.
3.	AFS-I , Held at CEMS, Almora during December 01-27, 2014.
4.	TEW (RMS-NCM) ,Held at Vivekananda Mahavidyalaya, Burdwan during December 27-31, 2013.