

## BIO-DATA

Name : Dr. Dipti Thakur  
Date of Birth : 15-01- 1986  
Nationality : Indian  
Present Position : Associate Professor in Mathematics  
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Award : Rajiv Gandhi National Fellowship (JRF and SRF)

### Academic Qualification

S.No	Degree	Subject	University/Institution	Year
1.	B.Sc.	Mathematics, Physics, Chemistry	Pt. Ravishankar Shukla University, Raipur	2007
2.	M.Sc.	Mathematics	Pt. Ravishankar Shukla University, Raipur	2009
3.	M.Phil.	Mathematics	Pt. Ravishankar Shukla University, Raipur	2010
4.	Ph.D.	Mathematics	Pt. Ravishankar Shukla University, Raipur	2016

### Membership of Professional Bodies:

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| 1. Indian Mathematical Society                             | Life Member |
| 2. The Indian Science Congress Association                 | Life Member |
| 3. Indian Society of Mathematics and Mathematical Sciences | Life Member |
| 4. Indian Society of Industrial and Applied Mathematics    | Life Member |
| 5. Ramanujan Mathematical Society                          | Life Member |

## List of Publications:

1. D. Thakur, R. Bhagat , Approximation of common best proximity points for proximally mean nonexpansive mappings in Banach spaces, The Journal of Analysis, 32 (2024), 2579-2608. **(Web of Science)**
2. S. Karthik M. Clement Joe Anand, A. P. Pushpalatha , Shweta S. Salunkhe , **Dipti Thakur** , Amir Barhoi, Environmental Impact Assessment of Agricultural Practices and Biological Scaling Using Fuzzy Logic and Mathematical Modeling, African journal of biological science, 6(2024), no. 13, 1802-1815. **(Web of Science)**
3. D.Thakur, Picard-Mann hybrid iteration process for nonexpansive semigroup in CAT(0) spaces, International Journal of Applied Mathematics and Statistics, 61(2022) no. 1, 32-41. **(Web of Science)**
4. B.S.Thakur, D.Thakur, R.P.Agarwal,Convergence theorems for total asymptotically nonexpansive mappings in CAT(0) spaces. Journal of Nonlinear and Convex Analysis, 18 (2017) no. 11, 2059-2078. (ISSN1880-5221) **(UGC Approved & SCI Journal IF 0.691)**
5. B.S.Thakur, D.Thakur, M.Postolache, A new iteration scheme for approximating fixed points of nonexpansive mapping. Filomat ,30 (2016), no. 10, 2711-2720. (ISSN 2406-0933) **(UGC Approved & SCI Journal IF 0.365)**
6. B.S.Thakur, D.Thakur, M.Postolache, A new iterative scheme for numerical reckoning fixed points of Suzuki's generalized nonexpansive mappings. Applied Mathematics and Computation, 275 (2016), 147-155. (ISSN 0096-3003) **(UGC Approved & SCI Journal IF 1.345).**
7. B.S.Thakur, D.Thakur, M.Postolache, Modified Picard-Mann hybrid iteration process for total asymptotically nonexpansive mappings. Fixed Point Theory and Applications, 2015 (2015), 2015:140. (ISSN 1687-1812) **(UGC Approved & SCI Journal IF 2.486).**
8. D.Thakur, B.S.Thakur, M.Postolache, Convergence theorems for generalized nonexpansive mappings in uniformly convex Banach spaces. Fixed Point Theory and Applications, 2015 (2015), 2015:144. (ISSN1687-1812) **(UGC Approved & SCI Journal IF 2.486).**
9. B.S.Thakur, M.S.Khan, Dipti Thakur, Fixed point theorems for nonself asymptotically nonexpansive type mappings in CAT(0) spaces. Journal of Nonlinear Analysis and Application, 2015(2) (2015), 87-94. (ISSN 2193-3472). **(UGC Approved Journal IF 1.12).**
10. D.Thakur, B.S.Thakur, M.Postolache, New iteration scheme for numerical reckoning fixed points of nonexpansive mappings. Journal of Inequalities and Applications, 2014 (2014), 2014:328. (ISSN 1029-242X) **(UGC Approved & SCI Journal IF 0.773).**

11. M.Abbas, B.S.Thakur, D.Thakur, Fixed points of asymptotically nonexpansive mappings in the intermediate sense in CAT(0) spaces. Communications of the Korean Math. Soc., 28(1) (2013), 107-121. ( ISSN 2234-3024) (UGC Approved Journal IF 0.506).

**Papers presented in Conferences, Seminars, Workshops, Symposia**

S.No	Seminar/ Conference/ Workshop	Organized by	Presented/ Participated	Title
1	A National Conference on "Establishing Kinship between Mathematical Sciences & Society" 30-31 October 2009	Govt. V.Y.T.PG. Autonomous College Durg (C.G)	Presented	Common fixed point theorems for contraction mappings in metric space
2	National Conference on Analysis and its Applications -Feb. 28-29,2012	P.G. College of Mathematics, Govt. Madhav Science P.G. College Ujjain (M.P.)	Presented	Fixed point theorems for nonexpansive nonself mappings in CAT(0) space.
3	National Workshop on Applications of Mathematics in Different Fields of Science- October, 12-14, 2012	Govt. Nagarjuna P.G. College of Science, Raipur (C.G.)	Participated	
4	National Seminar on the Rich Heritage of Mathematics in India- October, 26-27,2012	Department of Mathematics, Govt. V.Y.T.P.G. Autonomous College, Durg(C.G.)	Participated	-
5	National Workshop on Recent Development in Mathematics and its Application in Various Field-	St.Thomas College , bhilai (C.G.)	Participated	

	January, 21-22, 2013			
6	National Conference on Education and Research Scenario of Mathematical and Computer Sciences- January, 29-30 ,2013.	Seth Phoolchand Agarwal Smrit Mahavidhyalaya Nawapara Nagar , Raipur (C.G.)	Presented	Strong Convergence theorems for modified Halpern iteration schemes for nonexpansive mappings in CAT(0) space
7	Advanced Training Programmer on Nonlinear Functional Analysis and its Application- March, 4-10, 2013	DST-Center for Interdisciplinary Mathematical Sciences and Department of Mathematics , Banaras Hindu University , Varanasi	Participated	
8	National Seminar on Advanced in Nonlinear Analysis and Optimization- Feb., 15-17, 2014	SoS in Mathematics , Pt. Ravishankar Shukla University Raipur (C.G.)	Presented	A New Iterative Schemes for Approximation of Fixed Points
9	12 <sup>th</sup> Chhattisgarh young Scientists Congress 2014- Feb., 17-19, 2014	Pt. Ravishankar Shukla University Raipur (C.G.)	Presented	A New Iteration Algorithm for Approximation of Fixed Points
10	National Seminar on Recent Algorithmic Approach in Computer Science and Mathematics Feb-21-22, 2014	Swami Shri Swaroopanand Saraswati Mahavidyalaya bhilai (C.G.)	Presented	Modified halpern iteration schemes for nonexpansive mappings in CAT(0) spaces
11	National Seminar on Value and Importance of Mathematical Physics, December, 5, 2015,	Govt. Rajeev Lochan College Rajim, Distt. Gariaband (C.G.).	Presented	A Modified S*-iteration process for asymptotically nonexpansive mappings in a Banach spaces,
12	The 9th International IMBIC Conference	Institute for Mathematics, Bioinformatics,	Presented	Convergence theorems for new three step iteration

	MSAST 2015, December, 21-23, 2015,	Information Technology and Computer Science (IMBIC), Kolkata, India.		Scheme of nonexpansive mappings,
13	International Conference on Recent Advanced in pure and applied Mathematics & 28 <sup>th</sup> Annual Conference of Rajasthan Ganita Parishad , 13-14 feb 2017	Department of Mathematics and Statistics, University College of Science, Mohanlal Sukhadia University, Udaipur Rajasthan. India	Presented	Approximation of fixed points of asymptotically nonexpansive mappings.