

RKDF University, Bhopal
Faculty Profile



Basic Information				
Name	DR. BRAJENDRA TIWARI			
DateofBirth	16/12/1973			
Designation	PROFESSOR			
Department	Science			
Experience	24 YEAR AND 08 MONTHS			
EmailID	BRAJENDRA16.TIWARI@GMAIL.COM			
ContactNo	9425363587			
EducationalQualifications				
Description	Year	%	Institute/University	
(UG) -B. Sc. (MATHS & STATISTICS)	1996	68%	UNIVERSITY OF ALLAHABAD (U.P.)	
(PG) -M. Sc. (MATHEMATICS)	1998	63%	UNIVERSITY OF ALLAHABAD (U.P.)	
M. Phil.	NA			
(Ph. D.) - APPLIED MATHEMATICS	2012	Awarded	RGPV, BHOPAL, (M.P.)	
PostDoctorate	NA	-	-	
NET Qualified/GATE	NA	-	-	
Experience Detail				
Experience (Teaching/Research)	Designation	Duration		Name of Institute/University
		From	To	
Teaching	Assistant Professor	10-07- 2000	20-07- 2003	SSC, COLLEGE, REWA (M.P.)
Teaching	Lecturer (Contact)	21-07- 2003	31-08- 2006	REC, REWA (M.P.)
Teaching	Assistant Professor	01-09- 2006	29-02- 2008	RGPM, BHOPAL (M.P.)

Teaching	Associate Professor	01-03- 2008	12-01- 2013	RIRT, BHOPAL (M.P)
Teaching	Professor	13-01- 2013	09-03- 2014	AITR, BHOPAL (M.P.)
Teaching and Research	Professor	10.03.201 4	Till Date	RKDF, UNIVERSITY, BHOPAL (M.P.)
Publications				
No.ofPapersPublished(Attach Annexure of 29 papers published in peer-reviewed or refereed journals)				
No. of Books Published		NO		
Books/Chapters Published		NO		
No. of Patents Published/Grant		NO		
Ph. D/M. Phil Project supervised				
ResearchProgram	Award	Under Supervisi on	Nameof University	
Ph.D (Provide detail i.e. name, title etc)	05	04	RKDF, UNIVERSITY	
<p>1. Krishan Kumar Nigam (2016) :- Title "Study of spline functions in certain area"</p> <p>2. Mrs. Tarini Ashish Kotamkar (2018):- Title "Analysis of Curvature condition on Reimannian Manifold".</p> <p>3. Sanjay Kumar Bisen (2019):- Title "Application of Graph theory in Transportation".</p> <p>4. Ashwani Kumar Garg (2021):-Title "Comparative study of Projective, Injective and Flat Module".</p> <p>5. Arti Baurasia (2024):- Title "Solving Transportation Problems using object oriented programming".</p>				
M.Phil	NA			
PG Thesis/Dissertation	01	RKDF, UNIVERSITY, BHOPAL		
AreaofExpertise(100 words)				
DIFFERENTIAL GEOMETRY, OPERATION RESEARCH, GRAPH THEORY, DIFFERENTIAL CALCULUS & EQUATIONS, SPECIAL FUNCTIONS				

Award and Achievement		
Name of Award	Description (With certified copy award)	
National	NA	
International	NA	
Conference/Seminar/Workshops/FDP		
Description	No.	
Conference/Seminar paper presentation	04	
Conference/Seminar attended/ organized	10	
Workshop attended/organized	03	
FDP Attended/organized	03	
Research Project		
Name of Project	Funding Agencies	Amount

Any other Achievement

Research Publications: Total-28,

1. **Brajendra Tiwari**, KP Pandey, Anil Goyal, “On Generalized Metric Structure Manifold Admitting a Semi-symmetric Non-Metric Connection”, Octagon Mathematical Magazine, Vol.18(1), 2010 , 84-93.
2. **Brajendra Tiwari**, KP Pandey, Anil Goyal, “On Indefinite Almost Paracontact Metric Manifold”, International Mathematical Forum, Vol. 6(22), 2011, 1071-1078.
3. **Brajendra Tiwari**, KP Pandey, Anil Goyal, “On Indefinite Almost Paracontact Metric Manifold”, Int. Journal of Math.Analysis, Vol. 5(32), 2011, 1595 - 1605.
4. **Brajendra Tiwari**, KP Pandey, Anil Goyal, “On a Type of (ε) -Para Sasakian Manifold”, Int. Journal of Ultra Scientist of Physical Sciences, Vol.23 (2), 2011, 517-522.
5. **Brajendra Tiwari**, KP Pandey, Anil Goyal, “A study of (ε) - Almost Paracontact Metric Manifold-I” Int. Journal of Ultra Scientist of Physical Sciences, Vol.24 (1), 2012.
6. Krishna Kumar Nigam **Brajendra Tiwari**, “Interpolation by Quadratic spline” IJSTM, Vol(3) Issue 12, 2014.
7. Krishna Kumar Nigam **Brajendra Tiwari**, “Prediction of discrete Quadratic spline Interpolation uniform” IJMT, Vol (24) Aug 2015.
8. Tarni Kotamkar, **Brajendra Tiwari**, “Properties Of M-Projective Recurrent Riemannian Manifold”, (IJRAE) Vol. 1, Issue 7, July-2015
9. Tarni Kotamkar, **Brajendra Tiwari**, “Certain Curvature Conditions Satisfied By N(K)-Quasi Einstein Manifolds”, (IJRAE), Vol. 1, Issue 9, September-2015,
10. Tarni Kotamkar, **Brajendra Tiwari**, “On N(k) -Quasi Einstein Manifold”,(IJSART) , Vol(1) Issue 6 –JUNE 2015.
11. Tarni Kotamkar, **Brajendra Tiwari**, “An introduction to curvature and Riemannian curvatures and some discrete generalizations”, (IJIRSE), Vol(3). Issue 4, April-2017.
12. Sanjay Kumar Bisen, **Brajendra Tiwari** “Application of graph theory in Matrix Representation” (IJARIIT), Vol.3, Issue3, 2017.
13. Sanjay Kumar Bisen, **Brajendra Tiwari** “Application of graph theory in Transportation Networks” (VIDYAWARTA), Vol. 15, Issue-20, Dec-2017.
14. Sanjay Kumar Bisen, **Brajendra Tiwari** “Application of graph theory in data communication” (PAIRJ), Vol.2, Issue-37, Jan-2018.
15. Sanjay Kumar Bisen, **Brajendra Tiwari** “Application of graph theory in Transport Problem” (PAIRJ), Vol.2, Issue-38, Feb-2018.
16. Sanjay Kumar Bisen, **Brajendra Tiwari** “Application of graph theory in Transportation” (PAIRJ), Vol.4, Issue-48, Apr.-2018.
17. Sanjay Kumar Bisen, **Brajendra Tiwari** “Application of graph theory in computer science using data structure” (SHODH GANGA) Vol, 10, Issu 5, Aug. 2018.
18. **Brajendra Tiwari**, N.S. Rajpute. “Common Fixed Point Theorems for Four Self Maps on A Menger Space, Satisfying Common E. A. Property” (MTM), Vol. 8, Issue-2, 2018.

19. **Brajendra Tiwari**, Aarti Borasi, "North-west corner method for solving transportation problem", (IIRJ), Vol-06, Issue-37, 2018.
20. Ashwani Kumar Garg, **Brajendra Tiwari**, "A study on some characteristics of M_i -projective and M_i -injective", (SAMBODHI), Vol. 43, Issue-04(VII), 2020.
21. Ashwani Kumar Garg, **Brajendra Tiwari**, "An analysis and generalization of some properties of strangely U-projective module and strangely U-injective module", Journal of Maharaja Sayajirao University of Baroda, Vol. 55. Issue-1(VI), 2021.
22. Ashwani Kumar Garg, **Brajendra Tiwari**, "A study and generalization of some characteristics of quasi-weakly projective and quasi-weakly injective modules". (SAMBODHI), Vol. 44, Issue-01(VI), 2021.
23. Ashwani Kumar Garg, **Brajendra Tiwari**, "An analytical approach to understand projective, injective and flat modules", (IJET), Vol.16, Issue-04, 2021.
24. Aarti Borasi, **Brajendra Tiwari**, "Use of linear programming for solving transportation problems" (SRFMJMR), Vol.-10, Issue-03, 2023.
25. **Brajendra Tiwari** , Aarti Borasi, "Solving Transportation Problems using object oriented programming", (UIJMSR), Vol.-04, Issue-12, 2023.
26. Yashi Saxena, **Brajendra Tiwari**, "Statistical Relationship Between Tangential Discontinuities and Magnetic Reconnection in 2-D MHD Turbulence Simulations, (EUSRM), Vol.-15, Issue- 12, 2023.
27. Yashi Saxena, **Brajendra Tiwari**, "Statistical Properties of Magnetic Discontinuities in Solar Wind: Insights from Measurements and MHD Simulations", (IJESM), Vol.-05, Issue- 4, 2024.
28. Yashi Saxena, **Brajendra Tiwari**, "A numerical simulation approach to modeling strong discontinuities in the interplanetary medium", IJSRA, Vol.-03, Issue-14, 2025.

Conference/Seminars Activities:

1. Presented a research paper in UGC sponsored National Seminar on History of Mathematical Sciences organized by Department of Mathematics, Swami Vivekanand Govt. P.G. College, Nimach, (M.P.) during February 26-27,2010.
2. Attended a refresher course on "Application of Mathematics in Engineering and Sciences" in the Department of Applied Mathematics, University Institute of Technology, organized by Academic Staff College, RGPV, Bhopal, during 27 Dec., 2010- 1 Jan., 2011.
3. Participated in UGC, CRO sponsored National Workshop on Special Functions and Application" organized by Department of Mathematics, Pt. S.N. S. Govt. P.G. College (Autonomous), Shahdol (M.P.) during February 05-06, 2011.
4. Attended a refresher course on "Application of Mathematics in Engineering and Sciences" in the Department of Applied Mathematics, University Institute of Technology, organized by Academic Staff College, RGPV, Bhopal, during 31 January - 4 February 4, 2012.
5. Participated an International Workshop on Occasion of National Mathematics year 2012 entitled "Popularization of Mathematics Through Applications of Mathematics in

- Various Disciplines" organized by Department of Mathematics, Chandra Shekhar Azad Govt. P. G. Nodal College, Sehore (M.P.) on 25 January, 2012.
6. Presented a research paper in UGC and M.P. Council of Science and Technology, (Bhopal), sponsored National Conference on Analysis and its Applications" (NCAA-2012) organized by Department of Mathematics, Govt. Madhav Science P.G. College, Ujjain (M.P.) during February 28-29, 2012.
 7. Participated in AICTE, New Delhi sponsored a Staff Development Program on "Application of Numerical Method and Software's in Science and Engineering" in the Department of Applied Mathematics, University Institute of Technology, RGPV, Bhopal, during Dec.10 to Dec.22, 2012.
 8. Participated in M.P. Council of Science and Technology, Bhopal sponsored a National Workshop on Occasion of National Mathematics year 2012 entitled "Getting Started with MATLAB" organized by Department of Mathematics, Chandra Shekhar Azad Govt. P. G. Nodal College, Sehore (M.P.) on 30 Dec.,2012.
 9. Participated in M.P. Council of Science and Technology, Bhopal sponsored a National seminar on "Mathematics for All" organized by Department of Mathematics, Govt. Science and Commerce College, Benazeer, Bhopal (M.P.) on 23 Feb., 2013.
 10. Participated in M.P. Council of Science and Technology, Bhopal sponsored a National seminar "Relevance of Mathematics in Science" organized by IPR Cell Barkatullah University, Bhopal on 4-5 March, 2013.
 11. Participated in MPCST sponsored national seminar on Roll of Mathematics in science and engineering, Organized by department of Mathematics, UIT RGPV Bhopal, on 26 march 2013.
 12. Presented a research paper in International Conference on Recent Advance Mathematical Sciences and Applications organized by Department of Applied Mathematics, UIT RGPV, Bhopal (M.P.) On 24-26 Dec 2013.
 13. Presented a research paper in National Seminar on Engineering Mathematics in present Scenario organized by Department of Engineering Mathematics, Laksmi Narain College of Technology, Bhopal (M.P.) On 17 august, 2013.
 14. Participated in UGC sponsored National Seminar on Different Dimensions of Mathematics organized by Department of Mathematics, Inst. For Excellence in higher education, Bhopal, on 7-8 Feb 2014.
 15. Attended a refresher course on "Mathematical Modeling and its Application in science and Engineering" in the Department of Applied Mathematics, University Institute of Technology, organized by Academic Staff College, RGPV, Bhopal, during 2-6 Feb., 2015.
 16. Attended a national seminar on "Quality assurance in higher education institutions: issues, Challenges and remedies-1" organized by department of mathematics and internal quality Assurance cell. Chandra Shekhar Azad Govt. P. G. Nodal College, Sehore on 29 Jan.,2018.
 17. Attended a Training Program on "Training of Teachers (TOT) for Deeksharambh-Student Induction Program (SIP)". Organized by UGC, Central Regional Office, Bhopal, 21-23 Aug., 2019.

18. Attended a 2nd International conference on “Contemporary Technological Solutions Towards Fulfillment of Social Needs” at RKDF University, Bhopal (Sponsored by: MPUVNL & ECPO, Bhopal), on 28-29 Sep., 2019.
19. Attended an online Assessment/ Academic program “Mathematics and its Applications” Organized by department of mathematics, AITR, Indore , held as quality initiative, on 22 May, 2022.
20. Attended an online /offline FDP program “Empowering Research and Innovation through IPR, ICT and RM for Academic Excellence” Organized by Department of Applied Science, SIRTE, Bhopal, on 17-21 Feb., 2025.