Faculty Profile



1. Name : **Dr. VIJAY GULABRAO METE**

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Amravati-444606

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4. E-mail address : vmete5622@gmail.com , ati_vijaymete@yahoo.co.in

5. Designation : Professor & Head

6. Department : Mathematics

7. Date of birth : 13th January, 1965

8. Academic qualification

Examination passed	Board/University	Subject/ Specialization	Year of of passing	Percentage of marks	Division/ Grade / Merit
B.Sc.	S.G.B.A.U. Amravati	Maths., Physics, Chemistry	1987	58.48 %	II
M.Sc.	S.G.B.A.U. Amravati	Mathematics	1989	56 %	II
P.G.D.C.S.	S.G.B.A.U. Amravati	Computer programming languages	1990	60%	I
M. Phil.	S.G.B.A.U. Amravati	Mathematics	1997	59 %	II
Ph.D.	S.G.B.A.U. Amravati	Mathematics	2003	N.A.	N.A.

9. Teaching Experience: 32 Years

Courses Taught	Name of the University/ College/	Duration
	Institution	
U.G.	1. College of Engineering, Badnera	1.12.1990 to 30.04.1991
U.G.	2. R.D.I.K & K.D. College, Badnera	16.03.1992 – till today
P.G.	1. S.G.B.A.U., Amravati	1997 - 1999
P.G.	2. R.D.I.K & K.D. College, Badnera	01.09.2014 – till today

10. Research Experience: 20 Years

A. M. Phil. (Completed/Ongoing)

Sr. No.	Number Enrolled	Dissertation Submitted	Degree awarded
01	06	06	06

B. Ph. D (Awarded/Thesis Submitted/Registered)

Sr.	Name of the research	Subject	Topic of the research
No.	student Awarded		
01	Ku. Vandana M. Umarkar	Mathematics	Study of Two Fluid Cosmological Models In Higher Dimensions
02	Mr.Vijay .D. Elkar	Mathematics	Cosmological Models of Universe with Time Dependent ^ Term in Theories of Gravitation
03	Mr. Vasant S. Bawane	Mathematics	Study of Cosmological Models of Universe With Variable Deceleration Parameter
04	Ku. Pratiksha B. Murade	Mathematics	Study of Quintessence Cosmological models in Theories of Gravitation
05	Mr. Kailas R.Mule	Mathematics	Study of Cosmological Models of Universe with Charged Fluid in Theories of Gravitation
	Registered		
01	Mr.V.M.Ingle (UGC, SRF)	Mathematics	Dynamics of Anisotropic Universe in Modified Theories of Gravitation
02	Ku.V.N.Asatkar	Mathematics	Study of Some Physical Parameters for Holographic Dark Energy Models in the Various Alternative Theories of Gravitation
03	Ku.M.T.Sarode	Mathematics	Study of Some Cosmological Models in $f(Q,T)$ Theory of Gravity
04	Ku.V.S.Deshmukh	Mathematics	Higher Dimensional Study of Topological Defects in Theories of Gravitation
05	Mr.P.S.Dudhe	Mathematics	Studies of cosmological Models in Dark Energy Scenario in Theories of Gravitation

C. Research Paper published in Journals (with citation index and impact factor)

S. No	Title with page Nos.	Journal	ISSN/ISBN No.	Whether peer reviewed Impact Factor, if any
1	Non-existence of plane- Symmetric Cosmological Models in Bimetric Theory of Relativity. Vol.21E (No.2), P.531-534,	Bulletin of Pure and Applied Science.	ISSN: 0970-6577	Peer reviewed
2	Plane Wave Solutions in Bimetric Relativity for N Dimensional Space-time. 10(2), P.139-143	Far East J.App.Math.	ISSN: 0972-0960	Peer reviewed
3	Bianchi Type-III Cosmological Model in Four and Five Dimensional Bimetric Theory of Relativity. Vol.295 pp.331-337	Astrophysics and Space Science, Netherlands,	ISSN: 0004-640X 1572-946X	Peer reviewed I.F.: 2.06
4	Non-existence of Six and n- Dimensional Cosmological Models in Bimetric Theory of Relativity. ICR-2005 P.183-195	Proceeding of International Conference on Relativity, Amravati		Peer reviewed
5	Bianchi Type-I Mesonic String Cosmological Model in Bimetric Theory of Relativity. ICR-2005 P.207-213	Proceeding of International Conference on Relativity, Amravati		Peer reviewed
6	Bianchi Type-IX Magnetized String Cosmological Model In General Relativity. Vol.II No.2 P.21-27	Vidarbha Journal of Science, GVISH.	ISSN: 973-8932	Peer reviewed
7	Some Bianchi Type Cosmological Models In Scale- Covariant Theory of Gravitation. Vol. II No.2 P.43-53	Vidarbha Journal of Science, GVISH.	ISSN: 973-8932	Peer reviewed

8	Kantowski-Sachs Cosmological Model In General Theory of Relativity. Vol.47, No.9 p2314-2318.	International Journal of Theoretical Physics, Netherlands	ISSN: 0020-7748	Peer reviewed I.F.: 1.09
9	Higher Dimensional Plane Symmetric Cosmological Models In Bimetric Theory of Relativity" Vol.4, No.3-4 , pp 52-59	Vidarbha Journal of Science. GVISH.	ISSN: 973- 8932	Peer reviewed
10	Axially Symmetric Bianchi Type-I Model with Massless Scalar Field and Cosmic Strings in Barber's Self-Creation Cosmology. Vol.49, No.5, pp.1127-1132	International Journal of Theoretical Physics	ISSN: 0020-7748	Peer reviewed I.F.: 1.09
11	Stiff-fluid Bianchi type-VI _h universe in creation field cosmology . Vol.125 B, N.4 pp 407-416	Fundamental Physics IL NUOVO CIMENTO Italiana di Fisica (ITALY)	ISSN 00296341	Peer reviewed I.F.: 0.463
12	Einstein-Rosen Universe with Wet Dark in General Relativity Vol.50, pp.164-170	International Journal of Theoretical Physics	ISSN: 0020-7748	Peer reviewed I.F.: 1.09
13	Einstein-Rosen Domain Walls In Saez-Ballester Theory Of Gravitation Vol.5, No.4 pp27-34	Journal of Vectorial Relativity,	1856-6847	Peer reviewed
14	A Higher Dimensional Bianchi Type-I Inflationary Universe In General Relativity. Vol.78 No.1 2012 pp.101-107	Pramana Journal of Physics	03044289	Peer reviewed I.F.: 0.562
15	Two Fluid Bianchi Type-V Space-time in Higher Dimensions. Vol.3 Issue.2 pp.170-177	Prespacetime Journal (U.S.A.)	2153-8301	Peer reviewed
16	Bianchi Type-III and Kantowski-Sachs Dark Energy Models In a Scale Covariant Theory of Gravitation.	Proceedings of International Conference on "Benchmark in Engineering science and Technology (IC-BEST)		Peer reviewed

17	Two Fluid Plane Symmetric Cosmological Models In General Theory of Relativity. Vol.3 Issue.2 pp 497-502	SRCC Journal (U.S.A.)	ISSN 2277-2669	Peer reviewed
18	Kasner Cosmological Models With Two-Fluid Source in General Relativity. Vol.52 pp.2446–2454	International Journal of Theoretical Physics	ISSN: 0020-7748	Peer reviewed I.F.: 1.09
19	Anisotropic Cosmological Models With Perfect Fluid and Dark Energy Vol.4 (8) pp.92-101	International Journal of Mathematical Archive	ISSN: 2229 – 5046	Peer reviewed
20	Higher Dimensional Bianchi Type-III Cosmological Models With Perfect Fluid And Dark Energy. Volume 4, Issue 7, pp. 714-724	Prespacetime Journal	ISSN: 2153-8301	Peer reviewed
21	Higher Dimensional Plane Symmetric Cosmological Models With Two-Fluid Source In General Relativity Vol.52 No.12 pp.4439-4444	International Journal of Theoretical Physics	ISSN 0020-7748	Peer reviewed I.F.: 1.09
22	Bulk Viscous Kantowski-Sachs Cosmological Model with Time Dependant ∧ − Term in General Theory of Relativity Vol.III, Issue VIII pp. 34-39	Multilogic in Science	2277-7601	Peer reviewed I.F.: 0.462
23	Two Fluid Cosmological Model in a Kantowski-Sachs Space- Time in General Relativity , pp.1332-1336	International Journal of Science and Research	2319-7064 Volume 3 Issue 12,	Peer reviewed I.F.: 3.358
24	Bianchi Type-II Cosmological Model In Presence of Bulk Stress With Varying- Λ in General Relativity. pp.800-804	International Journal of science and Research	2319-7064 Vol.4, Issue 1,	Peer reviewed 4.438
25	Synthesis and Characterization of Lead Oxide Nanoparticles. pp.83-88	International Journal of Chemical and Physical Sciences,	2319-6602 Special issue Vol.4 (NCSC- Jan 2015)	Peer reviewed

26	Kantowski -Sachs Inflationary Cosmological Model with Bulk Viscosity and Varying Cosmological Constant in General Relativity pp. 2288-2290	International Journal of science and Research	2319-7064 Vol.4, Issue 3,	Peer reviewed 4.438
27	Strange Quark Matter Attached To The String Cloud In The Axially Symmetric Space Time With Λ-Term. pp. 287-294	Prespacetime Journal	2153-8301 Vol.6, Issue 4,	Peer reviewed
28	Ruban's Cosmological Model with Bulk Stress in General Theory of Relativity pp.25-33	IOSR: Journal of Mathematics	2278-5728 Vol.II Issue.4	Peer reviewed 1.759
29	Inhomogeneous Wet Dark Fluid Cosmological Model with Time Dependent Λ-Term pp.575-585	Advanced studies in Theoretical physics	1313-1311 Vol.9, No.12	Peer reviewed 1.37
30	Bianchi Type IX Cosmological model For Viscous Fluid with Electromagnetic Field And Time Dependent Λ- Term pp.1157-1164	Prespacetime Journal	2153-8301 Vol.6, Issue 11	Peer reviewed
31	Plane Symmetric Cosmological Model for Domain Wall with Decaying Λ-Term. pp.45-51	Amravati University Research Journal	Special Issue (ICGR-2015) 25 Nov., 2015	Peer reviewed
32	Ruban's String Cosmological Model in General Theory of Relativity. pp.95-99	International Journal of Mathematical Archive	2229-5046 Vo. 6 (12)	Peer reviewed
33	Axially Symmetric Cosmological Model with Bulk Stress in Saez-Ballester Theory of Gravitation pp.412-420	International Journal of Theoretical Physics	0020-7748 Vol.55(1)	Peer reviewed 1.19
34	Einstein Rosen Mesonic Perfect Fluid Cosmological Model with Time Dependent Λ-Term, pp.99-104	International Journal of Astronomy and Astrophysics	Vol.6	Peer reviewed 0.86
35	Higher Dimensional Plane Symmetric Space-Time with Time-Dependent Cosmological Constant in Seaz-Ballester Theory of Gravitation pp.1503-1510	Prespacetime Journal	2153-8301 Vo.7(12)	Peer reviewed

36	Cylindrically symmetric cosmological model in the presence of bulk stress with varying Λ , pp.47	Pramana Journal of Physics	0304-4289 (print) 973-7111 (online) Vol.87 (4)	Peer reviewed 0.692
37	Bianchi type-V magnetized cosmological model with wet dark fluid in general relativity pp.41464-41468,	International Journal of Current Research	ISSN: 0975-833X Vol. 8, Issue, 11,	Peer reviewed SJIF: 6.229
38	Plane Symmetric Bulk Viscous Cosmological Model with Time Dependent Λ-Term in General Theory of Relativity, <i>pp.176-183</i>	Prespacetime Journal	ISSN: 2153-8301 Vol. 8 , Issue 2	Peer reviewed
39	Bianchi Type IX Magnetized Bulk Viscous String Cosmological Model in General Relativity, <i>pp.14-19</i>	Theoretical Physics	2519-9633 (Online) 2519-9625 (Print)	Peer reviewed
40	Bianchi Type-VIh Universe Filed with Interacting Cold Dark Matter and Holographic Dark Energy	International Journal of Recent Scientific Research	ISSN: 0976-3031 Vol. 8, Issue, 7,	Peer reviewed I.F.6.86
41	Bianchi Type VIo Magnetized Cosmological Model in f (R, T) Theory of Gravitation. pp.1149-1156	International Journal of Researches in Biosciences, Agriculture and Technology	Special Issue (2), Vol-V, ISSN No. 2347-517X (Online)	Peer reviewed
42	Zel'dovich Cosmological Model in Lyra Manifold	Advances in Astrophysics	2415-6469 (Online) 2415-6450 (Print)	Peer reviewed
43	Holographic Dark Energy Cosmological Model in Scalar Tensor Theory of Gravitation. Pp.49-55	New Horizons in Mathematical Physics	ISSN: 2521-7410 Vol. 1, No. 2,	Peer reviewed
44	Magnetized Axially Symmetric Cosmological Model in (<i>R</i> , <i>T</i>) Theory Of Gravitation. Special Issue No.25,Pp.51-54	International Conference on Recent Trends in Science and Technology, 2018, Aayushi Int. Interdisciplinary Research Journal UGC Sr. No. 64259	ISSN: 2349-638X	Peer reviewed I.F. 4.574
45	Plane Symmetric Universe with Interacting Dark Matter and holographic dark Energy. Special Issue No.25 pp.109-115	International Conference on Recent Trends in Science and Technology, 2018, Aayushi Int. Interdisciplinary Research Journal UGC Sr. No. 64259	ISSN: 2349-638X	Peer reviewed I.F.4.574

46	Bianchi Type-I Strange Quark Matter Attached to String Cloud in Bimetric Theory. Special Issue No.25 Pp.21-25	Int. Conference on Recent Trends in Science and Technology, 2018, Aayushi Int. Interdisciplinary Research Journal UGC Sr. No. 64259	ISSN: 2349-638X	Peer reviewed I.F.4.574
47	LRS Bianchi Type-I Universe filed with Interacting Cold Dark Matter and Holographic Dark Energy.pp.125-129	African Review of Physics, Ghana H-index 5	ISSN: 2223-6589 Vol.12 (2017)	Peer reviewed I.F. 0.11
48	Interacting Dark Fluid in Bianchi Type -I Universe with Variable Deceleration Parameter.pp.13609-13613	International Journal of Current Advanced Research	ISSN: 2319- 6475 UGC Sr.No.43892 Vol.7, Issue 6(H) (2018)	Peer reviewed I.F. 6.614
49	Interacting Dark Fluids in LRS Bianchi Type-V Universe, Vol.7(12)	Review of Research	ISSN: 2249- 894X UGC Approved J.No. 48514	Peer reviewed I.F. 5.7631 (Uif)
50	Kaluza- Klein Space Time with Cosmological Constant in Scalar Tensor Theory	Review of Research, Vol.7(12)	ISSN: 2249- 894X UGC Approved J.No. 48514	Peer reviewed I.F. 5.7631 (Uif)
51	Interacting Dark Fluids in LRS Bianchi Type-II Universe, Volume 5, e4900	Open Access Library Journal	ISSN Online: 2333-9721 UGC Approved	Peer reviewed I.F. 0.28 H5-index , 9
52	Bianchi Type - III Charged Fluid Universe in Brans-Dicke Theory of Gravitation . Vol.6, Issue 5, pp.57-61	International Journal of Scientific Research in Physics and Applied Sciences	E-ISSN: 2348-3423 UGC Approved	Peer reviewed I.F. 1.320
53	Magnetized Plane Symmetric Cosmological Model with Wet Dark Fluid in Scalar Tensor Theory of Gravitation, pp.279-289	Far East Journal of Applied Mathematics	ISSN: 0972-0960 UGC Approved	Peer reviewed I.F. 0.63
54	Statistical Interpretation For Physical Education and Sports	Aayushi International Interdisciplinary Research Journal	ISSN: 2349-638x UGC Approved J.No.64259	Peer reviewed I.F. 4.574
55	Two-Fluid Cosmological Model in Einstein-Rosen Inflationary Universe	Research Journey- International E-Research Journal	2348-7143 UGC approved	Peer reviewed I.F. 3.452 (CIF)
56	Kantowski-Sachs Two-Fluid Cosmological Model with Negative Constant Deceleration Parameter in Lyra's Geometry	Research Journey- International E-Research Journal	2348-7143 UGC approved	Peer reviewed I.F. 3.452 (CIF)

	Kantowski-Sachs Modified	Research Journey-	2249 7142	
57	Holographic Ricci Dark Energy	International	2348-7143 UGC	Peer reviewed
31		E-Research Journal	approved	I.F.3.452 (CIF)
	Model in Lyra Geometry Interacting Dark Fluid in Kaluza-		пррготоц	
58	Interacting Dark Fluid in Kaluza- Klein Universe With Variable	Research Journey-	2348-7143	Peer reviewed
36	Deceleration Parameter in	International	UGC	I.F. 3.452 (CIF)
	General Relativity	E-Research Journal	approved	1.1°. 3.432 (CIF)
	Plane Symmetric Universe Filled	Int. Multidisciplinary	2277-5730	Door marriages d
59	with Electromagnetic Filed in	Quarterly Research	UGC J.No.	Peer reviewed
	F(R) theory of gravity	Journal	40776	I.F. 5.5 (SJIF)
	Interacting Holographic Dark	Open Access Library	2333-9721	
60	Energy in Bianchi Type-V	Journal	UGC .	Peer reviewed
	Universe with Variable	**** 1 40	approved	I.F. 0.37
	Deceleration Parameter,	H5-index :12		
	Vol.6, e5498 Bianchi Type-VIII Universe			
	with Scalar and	Aayushi		
61	Electromagnetic Field in Theory	International	ISSN	Peer Reviewed
	of Gravity with Deceleration	Interdisciplinary	2349-638x	I.F. 6.293
	Parameter, Special Issue No.66	Research Journal		0.2/0
	pp.133-141.			
	Plane Symmetric Space Time			
	with Cosmological Constant	Aayushi	ISSN	Peer Reviewed
62	Λ - Term In Saez-Ballester	International Interdisciplinary Research Journal	2349-638x	
	Theory of Gravitation,			I.F. 6.293
	Special Issue No.66, pp.177-182	Kesearch Journal		
	Plane Symmetric Space Time			
	in Scalar-Tensor Theory with	Aayushi	10071 22 10	
63	Wet Dark Fluid and	International	ISSN 2349- 638x	Peer Reviewed
	Cosmological Constant,	Interdisciplinary	0304	I.F. 6.293
	Special Issue No.70, pp.378-383.	Research Journal		
	Homogeneous Bianchi Type-III	T , , , 1		
	Bulk Viscous Model in Presence	International	ISSN:	D D 1
64	of G and Λ in Scalar Tensor	Research Journal of	2322-0015	Peer Reviewed
	Theory of Gravitation,	Science &	2322-0013	SJIF: 6.68
	Special issue A7, pp.189-196.	Engineering		
	Bianchi Types Cosmological			
	Models with Cold Dark Matter	AEGAEUM		D D
65	and Anisotropic Dark Energy in	JOURNAL,	ISSN No:	Peer Reviewed
0.5	Saez-Ballester Theory of	Indexed in SCOPUS	0776-3808	PIF: 6.1
	Gravitation, Vol. 8, Issue 3,	UGC approved		I.F.:0.92
	pp.992-1005.(2020)	- 30 app. 0.00		
	Accelerating Anisotropic	International		
	Bianchi Type-V Model with	Journal of	2221	
	Barotropic Matter and Viscous		2231 –	Peer Reviewed
66	Dark Energy in Lyra Geometry,	Mathematics	5373	I.F. 2.53
	Vol. 66 Issue 11, pp. 117-127	Trends and		
	doi:10.14445/22315373/IJMTT-V66I11P510	Technology		

67	Cosmic Acceleration of Universe in Teleparallel Gravity, Vol. 12, Issue 3, pp. 276-282	Prespacetime Journal	ISSN: 2153- 8301	Peer Reviewed
68	Five-Dimensional Plane Symmetric String Cosmological Model with Bulk Viscosity in General Relativity, Vol.10, Issue 2 pp.249-256	International Journal of Creative Research Thoughts (IJCRT)	ISSN: 2320-2882	Peer Reviewed

Communicated Research Papers:

Sr. No.	Title	Name of Journal	Date of communication
1	Role of Relativistic Charged Perfect Fluid in Bianchi type-III Space-time in Brans- Dicke theory of gravitation	African Review of Physics, Ghana H-index 5,	10th July 2022
2	Five Dimensional Cosmological Model with One Dimensional Cosmic String Coupled with Zero Mass Scalar Field in Lyra Manifold	Journal of Scientific Research, Bangladesh,	19th Aug.,2022
3	Thick Domain Wall Coupled with Bulk Viscous Fluid in (n+2) Dimensional Flat FRW Universe	Prespacetime Journal,	17th Sept.,2022
4	Bianchi type-I cosmological model with perfect fluid in modified f(T)gravity	Journal of scientific Research, Bangladesh,	13th Oct.,2022
5	Bianchi type-VI0 cosmological model with cloud sting in $f(T)$ gravity	New Astronomy	11th Jan.,2023

Citation Index

Citation indices	All	Since 2018
Citations	233	79
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i10-index	4	2

11. A. Seminars/ Conferences/ Symposia/ Workshop attended

Sr. No.	Name of the Seminar/ Conference/Symposia/ Workshop etc.	Level	Place and Name of the Sponsoring Agency	Date	Paper Presented/ Published
1	National Seminar on "Recent Advances in Applied Mathematics- 2004"	National	Dept. of Mathematics, Andhra University, Vishakhapattanam. U.G.C	30.06.04 & 01.07.04	Presented
2	International Symposium on "Recent Advances in Mathematics and Its Applications	International	Calcutta Mathematical Society, Kolkata . (W.B.), U.G.C	20 -21, Dec, 2004	Presented
3	International Conference On Relativity-2005	International	Deptt. of Mathematics, S.G.B, Amravati University, Amravati, U.G.C	11-14, Jan,05	Presented
4	One day University level workshop on "Syllabus of Mathematics prescribed by Amravati University"	University Level	Deptt. of Mathematics, Bharatiya Mahavidyalata, Amravati	24.07.05	Participated
5	Workshop on "Protection of Intellectual Property Emerging Scenario"	State Level	Prof. Ram Meghe Institute of Technology and Research, Badnera . U.G.C	25.03.06	Attended
6	Attended workshop on "LATEX"	National	Deptt. of Mathematics RTM Nagpur University, Nagpur , U.G.C	5-7, Mar 2007	Attended
7	National Conference on "Emerging Trends in Engg. & Technology- FRONTIER-2007"	National	B.N. College of Engineering, Pusad , U.G.C	17-18, Dec, 2007	Presented
8	National Conference Innervative-2008	National	J.B. Science College, Wardha ,U.G.C	27.12.08	Presented
9	One day workshop	University Level	P.G.T.D. (Mathematics) S.G.B Amravati University Amravati.	01.01.09	Attended
10	Seminar on Recent Trends In Mathematics and Their Applications	State Level	Sardar Patel Mahavidyalaya , Chandrapur. U.G.C.	21.03.09	Presented

11	Workshop on "Total Solar Eclipse"	National	P.G.T.D. (Mathematics) S.G.B Amravati University Amravati.	13-14, Jun 2009	Attended
12	National Conference on "Recent Trends In Mathematics"	National	Govt. Vidarbha Institute of Social Sciences and Humanities, Amt.	18-19 Sept, 2009	Presented
13	State level Seminar on "Recent Developments In Relativity"	State Level	Mahatma Fuley Science College, Warud , U.G.C	18.12.09	Presented
14	Conference on "Gravitation Theories and Astronomy"- A Celebration On The Eve of Iternational Year of Astronomy	National	Nilkantharao Shinde Science College, Bhadrawati.	28-30 Dec, 2009	Presented
15	Workshop on "Accreditation: systematic Approach Towards Report Writing Under New Methodology	State Level	Shri.Shivaji Sience College, Amravati.	2-3 Jan 2010	Attended
16	Seminar on "Expanding Wings of Mathematics in The Field of Science & Social Sciences"	State Level	R. L. T. College of Science, Akola U.G.C	4.01.10	Presented
17	Conference on "Recent Trends in Mathematics and its Applications in Astronomy"	National	Mungsaji Maharaj Mahavidyalaya, Darwha	27 - 28, Feb, 2010	Presented
18	Workshop on "Semester Pattern & New Syllabi"	University Level	S.G.B Amravati University Amravati.	Jun, 2010	Attended
19	Conference on "Developing Frontiers of Physics, Astronomy & Space Sciences"	National	R. L. T. College of Science, Akola U.G.C	24-25, Sept, 2010	Presented
20	13th International Conference on "Emerging Interfaces of Physical Sciences and Technology"	International	University of Petroleum and Energy Studies, Dehradun ,U.G.C.	14-16 Jun, 2011.	Presented
21	Workshop on "Performance Based Appraisal system"	University Level	S.G.B.A.U. Amravati	26 th June 2011	Presented

22	One day activity workshop on "Vivekananda's Scientific Approach Through Einstein's Brain "	University Level	S.G.B.A.U. Amravati.	11 th Oct. 2011	Attended
23	International Interdisciplinary Conference on "Women Empowerment"	International	Ramkrushna Mahavidyalaya, Darapur	24 -26 Nov, 2011	Attended
24	Seminar on "Status of Biodiversity in India 2010-11"	National	Deptt. of Botany R.D.I.K & K.D. College, Badnera U.G.C.	10-11 Dec, 2011	Presented
25	One week short term course in workshop on ICT for Associate Professors & Professors.	University Level	Academic Staff College, S.G.B.A.U. Amravati U.G.C.	26-31 Mar, 2012	Attended
26	National seminar on "Presents Development and Future Trends"	National	Sindhu Mahavidyalaya , Nagpur ,	28-29 Jan, 2012	Presented
27	National Conference on "Role of Basic Sciences in Emerging Industrial Scenario"	National	Prof. Ram Meghe Institute of Technology & Research.	8 th April, 2012	Presented
28	International Conference on "Benchmark in Engineering Science and Technology	International	B.D. College of Engg. Sevagram U.G.C.	07-08 Sept, 2012	Presented
29	National Conference on Recent Trends In Physics	National	Mungsaji Maharaj Mahavidyalaya, Darwha , U.G.C.	26-27 Oct,, 2012	Presented
30	International Conference on Mathematical Sciences	International	Shri.Shivaji Science College, Nagpur U.G.C., D.S.T	28-31 Dec. 2012	Presented
31	University level research oriented workshop for mathematics Teachers & Research Students on Theory of Relativity.	University Level	S.G.B Amravati University Amravati	9-10,Feb 2013.	Presented

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32	National Conference on "Mathematical Sciences"	National	Dr.R.G.Rathod Arts,Science College, Murtizapur	18-19 Jan,2013	Presented
33	National Conference on "Frontier of Mathematics"	National	Kamla Nehru Mahavidyalaya, Nagpur	22 Mar., 2013	Presented
34	National Conference on "Recent Trends in Mathematics	National	G.S. Gawande College Umarkhed .	21 Sept., 2013	Presented
35	International Conference on "Recent Advances In Mathematics"	International	Mathematics R.T.M. Nagpur University, Nagpur.	20-23, Jan,2014	Presented
36	National Conference on "Sustainable Chemistry: Frontiers & Challenges"	National	Brijlal Biyani Science College, Amravati	30-31, Jan,2015	Presented
37	Research oriented workshop on "Mathematics"	University level	Shri. D.M. Burungale Science & Arts College, Shegaon	10-11 Jan, 2015	participated
38	National Conference on Recent Trends in Mathematics and It's Applications	National	Mungsaji Maharaj Mahavidyalay, Darwha	12-13, Sept., 2015	Presented
39	International conference on General Relativity	International	SGB.A.U., Amravati	28.11.15	Presented
40	Research oriented workshop for mathematics teachers / Research students	University level	P.G.T.D. (Mathematics) SGBAU, Amravati.	29.03.16	participated
41	National conference on Recent Advances in Mathematical Sciences	National	P.G.T.D. (Mathematics) SGBAU , Amravati.	17-18 June 2016	Presented
42	Workshop on Number Theory	State level	P.G.T.D. (Mathematics) SGBAU , Amravati	15 th Oct., 2016	attended
43	International conference on mathematical Analysis and Its Applications	International	Dayanand Science College, Latur	March, 5-9, 2017	Presented

44	International conference on "Recent Trends in Science and Technology"	International	SSSKR Innani Mahavidyalaya, Karanja Lad.	March , 22-23, 2018	Presented
45	Regional workshop on Research Based Pedagogical Tools	National	National Shri. Shivaji Science College, Amravati		participated
46	National Conference on Emerging Trends in Science	National	SSSKR Innani Mahavidyalaya, Karanja Lad.	Feb., 1-2,2019	Presented
47	National Conference on "Recent Advances in Theoretical and Computational Mathematics with its Applications in Science"	National	Late Rajkamalji Bharti Arts, Smt. S. R. Bharti Science College, Arni Dist. Yavatmal	22/02/19	Presented
48	State level workshop on "Soft Skills Training for Mathematical Sciences"	State	S.G.B. Amravati University, Amravati	March, 15-16, 2019	participated
49	National Conference on Recent Advances in Physical and Mathematical Sciences	National	Shri. Shivaji Science College, Akola	Jan.,18, 2020	Presented
50	National e-conference on "Recent Advances for Innovative Research in Mathematics"	National	Indira Gandhi Arts College and R.A. College, Washim	28,Sept., 2021	Presented
51	International e- conference on "Current Innovations in Sciences"	International	Late Pushpadevi Arts and Science College, Risod.	21 st Feb., 2022	Presented

12. Research Projects Completed: 02

Sr. No.	Title of the Project	Name of the funding agency	Period
01	Study of Various String Cosmological Models in Bimetric Theory of Relativity	University Grants Commission, New Delhi File No.23-244/06 Dt.13/10/06	09/11/2006 to 08/11/2008
02	Some Physical and Geometrical Aspects of Dark Energy Cosmological Models.	University Grants Commission, New Delhi File No.23-2399/10,(W.R.O) dt.11.05.2011	11.05.2011 to 10.05.2013

13. Articles / Chapters published in Books.

Sr. No.	Title with page nos.	Book Title, editor & publisher	ISSN / ISBN No.	Whether peer reviewed	No. of co-authors	Whether you are the main author
01	1. Integrals , pp159 2. Reduction formulae , pp.171 3. Quatrature & Rectification , pp.185	Elements of Calculus (Differential and Integral) T.M.Karade SONU-NILU	978-81- 88763-55-9	Yes	04	No
02	1.First order DEs. pp.1 2. Linear DEs. Pp.43 3.Second order DEs. pp.67	Differential Equations (Ordinary and Partial) T.M.Karade SONU-NILU	978-81- 88763-58-0	Yes	04	No
03	Riemannian Geometry Curvature Tensor	Elements of Riemannian Geometry T.M.Karade SONU-NILU	81-88763- 06-03	Yes	02	No
04	1. De'Moivre's Theorem with applications,Pp.77 2. Complex circular and hyperbolic functions,Pp.115	Elements of Algebra and Trigonometry T.M.Karade SONU-NILU	978-81- 88763-20-7	Yes	05	No

14. Innovations/ Contributions in Teaching

- a) Design of Curriculum:
 - (i) As a member of Board of studies of the Amravati University: Framed a new Syllabus on semester pattern at Graduate level.
 - (ii) Organized university level workshop on Mathematics Syllabi on 15th March 2015.
- b) Extension activities/ consultancy/ community works

Extension activity:

- Prepared the team of U.G. students for teaching mathematics in rural areas to create awareness about mathematics and to remove fear about mathematics among the primary and High School level students.
- c) Invited Lectures/Resource Person/ Chairmanships at National/ International Conference/ Seminar etc.

• Invited Lectures

Sr. No.	Topic	Title of Conference/ Seminar/etc.	Venue	Level
01	Dark Energy Models in <i>F</i> (<i>R</i>) Gravity	Conference on "Mathematical Sciences"	Dr. R.G. Rathod Arts,Science College, Murtizapur	National
02	What is post Doctoral Research?	Workshop on "Research Guidance and Performance Based Appraisal System"	Deptt. of Mathematics SGBAU. on dt. 6.03.2011	University level
03	"Developments in Alternative Theories of Gravitation"	National Conference on Recent Trends in Mathematics and It's Applications	Mungsaji Maharaj Mahavidyalay, Darwha 12-13, Sept., 2015	National
04	Alternative Theories of Gravitation"	National Conference on Recent Advances in Mathematical Sciences	SGB.A.U., Amravati 17-18 June , 2016	National
05	Brief History of Present Day Universe 7 th Feb.,2020	National Conference on Recent Trends in Mathematical, Physical, Chemical, Library and Life Sciences	Nilkanthrao Shinde Science and Arts College, Bhadrawati	National

• Chairmanships at National/International Conference/Seminar etc.

Sr. No.	Academic Session	Theme of Conference/ Seminar/etc.	Venue	Level
01		National Conference on "Recent Trends In Mathematics"	Govt. Vidarbha Institute of Social Sciences and Humanities, Amravati	National
02	Paper presentation	State level Seminar on "Recent Developments in Rlativity"	Mahatma Fuley Science College, Warud	State level
03		National Conference on "Gravitation Theories and Astronomy	Nilkantharao Shinde Science College, Bhadrawati	National
04		National Conference on "Recent Trends in Mathematics and its Applications in Astronomy"	Mungsaji Maharaj Mahavidyalaya Darwha	National
05	Poster Presentation	National Conference	Sindhu Mahavidyalaya Nagpur	National
06	Paper presentation	International Conference on Mathematical Sciences	Science College, Nagpur	International
07	Paper presentation	National Conference on "Mathematical Sciences"	Arts, Science College, Murtizapur	National
08	Paper presentation	National conference on "Recent Trends in Mathematics"	G.S. Science Mahavidyalaya Umarkhed	National
09	Paper presentation	International conference on General Relativity	SGB.A.U., Amravati	International

10	Paper presentation	National conference on Recent Advances in Mathematical Sciences	SGB.A.U., Amravati	National
11	Paper presentation March,22-23,2018	International conference on "Recent Trends in Science and Technology"	SSSKR Innani Mahavidyalaya, Karanja Lad.	International
12	Paper presentation 01/02/2019	National Conference on Emerging Trends in science	Vidya Bharati Mahavidyalaya,Amravati	National
	Paper presentation Feb.,13-16, 2020	International conference on Advances in Physical, Chemical and Mathematical Sciences	RTM, Nagpur University	International
	Paper presentation Oct., 29-30, 2021	International virtual conference on "Recent Trends in Mathematical Sciences,	S.P.M.Science , Gilani Arts,Commerce College, Ghatangi and P.N. College, Pusad	International

• Journals Reviewer:

Reviewed manuscripts of the following Journals

- (i) International Journal of Theoretical Physics, Netherlands.
- (i) Advances in High Energy Physics., Egypt
- (ii) Theoretical Physics, China
- (iii) International Journal of Astronomy and Astrophysics, U.S.A.
- (iv) International Journal of Physical Sciences, U.K.

15. Membership of Academic Organizations:

(A) Membership of Professional Bodies:

- 1. Life Member: Indian Mathematical Society, New Delhi.
- 2. Life Member & Treasurer: Sant Gadge Baba Amravati University Mathematics Teachers Association.
- 3. Life Member: NUTA (Nagpur University Teachers Association)
- 4. Life Member: Indian Science Congress, Kolkata.

17. Achievement/Awards of the Teacher:-

HONOUR CONFERRED : "Utkrustha Shikshak Gaurav Puraskar"
Felicitated by Vidarbha Youth Welfare
Society, Amravati, Dt.5th Dec. 2009.

18. Any other information.

(A) Organizational Contribution: National Seminars/conferences:

1. Convener:

- i) Intercollegiate Seminar Competition on "Vector Analysis" in collaboration with Sant Gadge Baba Amravati University Mathematics Teachers Association, held on dt. 29 11.2008.
- ii) University level seminar competition for P.G. students, held on 14th March, 2015
- iii) Organized Workshop on NET/SET guidance in mathematical science" on 22nd Dec., 2016, 22nd Dec., 2012, 22nd Dec., 2018, 22nd Dec., 2019, 22nd Dec., 2020, 22nd Dec., 2021,
- iv) University Level Essay competition: February 05-15,2021
- v) University Level Quiz Competition on Mathematics: 22nd Feb., 2021
- vi) National e-Conference on "Recent Mathematical Innovation Skills in 21st Century": 27th March, 2021

2. Member:

- i) Souvenir Committee, International Conference on Relativity, Amravati University, Amravati January 11-14,2005.
- ii) Advisory committee, National Conference, 2009.
- iii) Co-ordinator: Souvenir committee, National Seminar, 2011
- iv) Organizing committee, International Conference, Nagpur, 2012
- v) Organizing committee, International Conference, Nagpur, 2015
- vi) Co-ordinator: Souvenir committee, National Conference, 2016
- vii) Member of review committee of National Conference on Recent Trends In Engineering Sciences: NCRTES-2010, Organized by Dr.Bhausaheb Nandurkar College of Engineering, YAVATMAL.
- viii. Worked as a chairman for technical session in National and International conference