



Dr. S.D. Katore

Professor and Head

Department of Mathematics

Sant Gadge Baba Amravati University, AMRAVATI

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1) Qualification: M.Sc.; M.Phil.; Ph.D.

2) Senior College – 36 Years (UG/PG) (With)

University --13Yrs (Post Graduate Teaching Department of Mathematics)

3) Seminar / Conferences / Symposium / Refresher /Orientation Courses attended in India: 55

4) Seminar / Conferences / Symposium / Workshop /:53

Orientation / Refresher Courses Conducted

[Member --Organizing Committee International Conference ICR-2005 in S G B Amravati University, AMRAVATI during 11 – 14 Jan, 2005].

[Organizing Secretary-- International Conference ICGR-2015 in S G B Amravati University, AMRAVATI during 25--28 Nov, 2015].

[Convener – National Conference on Recent Advances in Mathematical Sciences NCRAM – 2016in S G B Amravati University, AMRAVATI during 17--18 June, 2016]

[Co- Convener – International Conference on Recent Trends in Science and Technology-2018 during 22-23 March, 2018]

[Coordinator- National e-Conference on Recent Mathematical Innovation skills in 21st century, AMRAVATI during 27th March, 2021]

5) Research Area: General Theory of Relativity and Cosmology, Theories of Gravitation.

6) Research Papers Read at Conferences:33

7) International Journal Referee/ Editor:10

8) Research Papers Communicated:05

9) Research Papers Published in International/ National Journals:144

10) Research Papers Published in International Journal [Single Author]: 07

11) M.Phil. Dissertation: Awarded: 14

12) Ph.D.: Guidance: Awarded: 10; Registered: 05

13) Books Written and Published: 08

14) Confidential Appointments:11

15) Administrative Experience

(a) Head of Department and Teaching Experience: 36Yrs

(b) Coordinator:

(i) IGNOU study center SGBAU, Amravati (1609),

(ii) National Mathematics Day (Sponsored by “National Council for Science & Technology Communication, DST, Govt. of India”, “Rajiv Gandhi Science and Technology commission, Govt. of Maharashtra” and SGBAU, Amravati.)

(iii) Remedial Coaching Classes for SC/ST and Minority students, Sant Gadge Baba Amravati University, Amravati (UGC)

16) Academic and Administrative Assignment/ Positions:

In-charge: Head of Department of Statistics, SGB Amravati University, Amravati.

Chairman: University: Board of Studies in Mathematics in the Faculty of Science & Technology, SGBAU, Amravati, SGBAU Mathematics Teachers Association.

Member: University: Board of University Departments & Interdisciplinary Studies, Board of Examination and Evaluation, Ex-Member of Board of Management of Autonomous Physical Education College, Hanuman Vyayam Prasarak Mandal, University Nominee Academic Council of Government College of Engineering, Amravati; University Equivalence Committee in Science & Technology, Research and Recognition Committee (RRC) in Mathematics in the Faculty of Science & Technology, 48 2(b) SGBAU, Amravati; IQAC & TRDEA, Faculty of Science, Academic Council Committee for financial Assistance for organizing conferences/seminar/workshops, Finance Sub –committee, UGC Travel Grant Committee; SGBAU, Amravati; Member of Yashwantrao Chavan Maharashtra Open University (YCMOU) Syllabi Committee.

Member: Other Universities:(a) Board of Studies in Mathematics, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.

(b)Board of Studies in Mathematics, SRTMU, Nanded.

(c) Board of Studies in Mathematics, Gondwana University, Gadchiroli.

(d) Ex-Member, Board of Studies in Mathematics, JB Science Mahavidhyalaya, Wardha (Autonomous Institute).

(e) Research Recognition Committee (RRC), Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

(f) Research Recognition Committee (RRC), MGM University, Aurangabad.

(g) On Grievance of Society's, Board of Studies of the Department of Mathematics, G.H Rasoni University, Amravati.

Ex-Member: Management Council, Academic council, Faculty of Science, 32(5), RRC BUTR, SGBAU, Amravati; Research Recognition Committee (RRC), Godwana University, Gadchiroli

Ex- Chairman: Board of Studies in Mathematics in the Faculty of Science, SGBAU, Amravati.

17) Life Member:10+ Bodies

18) AWARDS:

1. Maharashtra Government Research Scholarship in 1996

2. Faculty improvement Program of UGC, New Delhi for M.Phil. Degree under VIIth plan.

3. Faculty Development Program of UGC, New Delhi to complete Ph.D. Degree under IXth plan.

4. Mahatma Jyotiba Fule Rajyasatriya Adarsh Shikshak Puraskar- 2016.

For Details please refer Google Scholar link / Scopus.

<http://scholar.google.co.in/citations?user=ybZRZrEAAAAJ&hl=en>

<https://www.scopus.com/authid/detail.uri?authorId=12240922700>

Dr. S. D Katore

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Sant Gadge Baba Amravati University,
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C.V. of Dr. S.D. Katore

Name (In block letters): SHIVADAS DEOMANRAO KATORE

Department: Post Graduate Teaching Department of Mathematics,
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Amravati- 444607, India.

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Academic Qualification : M.Sc., M.Phil, Ph.D.

Research Degree (s):

Degree	Title	Year	University
M.Phil.	Dissertation Title: Diagonal Transformation, Montel Echelon Spaces and Schwartz Echelon Spaces	1991	Nagpur University, Nagpur. Award: UGC-FIP (1990-1991)
Ph.D.	Thesis Title: Plane Symmetric Solutions in General Relativity	2002	Amravati University Award: UGC-FDP (1998-2000)

Teaching Experience: 35 years

Research Experience excluding years spent in M.Phil / Ph.D. : 17 years

Research Interests / Specialization:

General Theory of Relativity and Cosmology, Theories of Gravitation

Research Supervisor: SGB Amravati University, Amravati, India.

M.Phil Guidance: 11 (Awarded), 02 (Result Awaited)

No. of Research Paper listed in UGC Journals (5 Years): 74

Ph.D. Supervisor:

S.N	Name	Title of Thesis	Awarded/ Submitted
1	Shri. Sharad V. Thakare Department of Mathematics, B.N.college of Engineering, Pusad, Dist-Yavatmal	Some Aspects of Bimetric Geometry Proposed by Karade and Nahatkar (AU/554-Ph.D./MTH/05/2003 w.e.f. 15/01/2003)	Awarded 01/06/2009

2	Shri. Rajaram S. Rane Department of Mathematics Y.C. Arts and Science college Mangrulpir, Dist- Washim	Some Consideration of Plane Gravitational Waves in General Relativity. AU/554-Ph.D/ MTH/01/2003 w.e.f. 15/01/ 2003 Re-registration 09/01/2008	Awarded 25/03/2010
3	Shri. Milankumar M. Sancheti Department of Mathematics, Rajasthan Aryan Arts, Shri Mithulalji Kacholiya Commerce & Shri Satyanarayanji Ramkrishnaji Rathi Science Mahavidyalaya, Washim	Study of Some Physical Space Times in Bimetric and Scalar Tensor Theories of Gravitation. AU/554-Ph.D/ MTH/012/ 2004 w.e.f. 15/07/2004 Re-registration 15/07/2009	Awarded 14/02/2013
4	Shri. Kishor S. Wankhade Department of Mathematics, Y.C. Arts and Science college, Mangrulpir, Dist. Washim	Some Cosmological Models in Alternative Theories of Gravitation . AU/554-Ph.D/ MTH/03/2007 w.e.f. 15/07/ 2007	Awarded 25/1/2012
5	Mr. Alfred Yusuf Shaikh Department of Mathematics, Indira Gandhi Arts and Science Mahavidyalaya Ralegaon, Dist.Yevatmal.	Some Investigations in General theory and Scalar Tensor Theory of gravitation . AU/554-Ph.D/ MTH/02/2010 w.e.f 15/01/ 2010	Awarded 09/07/2014
6.	Ku. Shital A. Bhaskar Department of Mathematics, Sant Gadge Baba Amravati University, Amravati	Some Investigations of Cosmological Models of Universe with Acceleration and/or Deceleration. SGBAU/PhD/Mathematics/ 4971/2011w.e.f. 15/07/2011 (F.No.4971)	Awarded 10/07/2015
7	Shri. Namdev K Sarkate Adarsh Education Society's Arts, Commerce and Science College, Hingoli, Dist-Hingoli.	Some Aspects of Cosmological Models in Scalar Tensor Theory of Gravitation . SGBAU/PhD/Mathematics/04/2 009 w.e.f. 15/07/2009 Re-registration 11/04/2014	Awarded 27/06/16
8	Shri. Sachin P. Hatkar, Adarsh Education Society's Arts, Commerce and Science College, Hingoli, Dist-Hingoli.	Unified Description of Cosmological Models in Theories of Gravitation. SGBAU/PhD/ Math./6178/2013 w.e.f 15/07/2013 (F.No. 6178)	Awarded 21/11/2017
9	Ms. Rashmi J.Baxi Department of Mathematics, Sant Gadge Baba Amravati University, Amravati	On Stability of Cosmological Models in Gravitation Theories INSPIRE Fellowship No: IF140404 (DST)	Awarded 10/12/2018

10	Ms. Dipti V. Kapse Prof. Ram Meghe Institute and Research, Badnera	Dark Energy Cosmological Models in Alternative Theories of Gravitation. SGBAU/PhD/Mathematics/ 4637/2011 w.e.f. 15/01/2011 (F.No,4637) Re- Registered Dated:15/05/2017	Awarded 20/07/2020
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Registered for Ph.D.:05

S.N.	Name	Title of Thesis	Awarded/ Submitted
1.	Shri. Chandrashekhar D.Wadale, Department of Mathematics, Sarda Arts, Commerce and Science College, Anjangaon Surji	Exploring Exact Solutions of Some Physical Distributions in Modified Theories of Gravitation. SGBAU/Ph.D./ Math. / 6984/2015 w.e.f. 15/07/2014 (F.No. 6984)	Ongoing
2.	Shri. Swapnil V.Gore, (NET-JRF) Department of Mathematics, Indira Gandhi Arts and Science Mahavidyalaya Ralegaon, Dist. Yavatmal.	Panorama of Physical Distributions in Theories of Gravitation. SGBAU/Ph.D./Math. / 7304/2015 w.e.f. 15/01/2015 (File No. 7304)	Ongoing
3.	Ms. S. P Saraogi Department of Mathematics, Sant Gadge Baba Amravati University, Amravati	Glimpses of Cosmological models with various fluids disdistributions in Theories of Gravitation SGBAU/Ph.D./Mth/737/2021 w.e.f. 01/09/2019	Ongoing
4.	Shri. D. P Tadas Department of Mathematics, Toshniwal Arts, Commerce & Science College, Sengaon, Dist- Hingoli	Desiderata of Physical distributions of universe in Theories of Gravitation SGBAU/Ph.D./Mth/738/2021 w.e.f. 01/09/2019	Ongoing
5.	Sgri H. G Paralikar Department of Mathematics, Brijlal Biyani Science College, Amravati	On Dynamics of Cosmological models in context of Gravitational SGBAU/Ph.D./Mth/739/2021 w.e.f. 01/09/2019	Ongoing

Research Projects :-

Minor Research Projects				
Funding Agency	Title	Period	Grant Sanctioned (Rs lakh)	Status
UGC, New Delhi	Study of various models in the theory of gravitation F.No. 47-206/05	2 years (2005-2007)	0.3	Completed

UGC, New Delhi	Study of cosmological models in scalar tensor theories of gravitation F.No.39-933/10(SR) dt 11/2011 (D.9105-9106)	2 years (2011-2013)	1.55	Completed
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Major Research Projects

Funding Agency	Title	Period	Grant Sanctioned (Rs lakh)	Status
UGC, New Delhi	Study of cosmological models in f(R) theories of gravitation F. No. 41-770/2012 (SR) dt 17/07/2012 [Co-Investigator]	3 years	10,45,800	Completed

INSPIRE Fellowship, DST (Project)

DST, New Delhi	INSPIRE Fellowship [IF 140404] PhD student: Ms. R.J. Baxi (01/07/2014 To 31/12/2017)	5 years	For Project Fellow as per JRF & SRF Norms	Completed, Awarded: 10/12/2018
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Research Papers Published at International Level in Reputed and Indexed Journals

S.N.	Title of Paper	Journal Name, Vol., Page No, Year and ISSN	Impact Factor Whether Peer reviewed?
1.	Variable relation between string densities	New Astronomy, 85, 101562, ISSN No: 1384-1076 Dec 2020	Yes Scopus 1.058
2.	FRW Domain Walls in Modified f (G) Theory of Gravitation	Astrophysics, Vol. 64, Issue 1, Electronic ISSN: 1573-8191. Print ISSN: 0571-7256., Dec 2020	Yes Scopus 0.670
3.	Signature flipping of isotropic homogeneous space-time with holographic dark energy in f (G) gravity	New Astronomy, 84, 101535, ISSN No: 1384-1076 October 2020	Yes Scopus 1.058
4.	Holographic Dark Energy Cosmological Models in f (G) Theory	New Astronomy 80 (2020) 101420, ISSN No: 1384-1076, May 9, 2020	Yes Scopus 1.058
5.	Λ CDM cosmological models with quintessence in f (R) theory of gravitation.	Journal of Astrophysics and Astronomy volume 41, Article number: 12 (2020) ISSN NO: 0250-6335 (print); eISSN: 0973-7758 (online), April 24, 2020	Yes Scopus 1.273
6.	Bianchi type I cosmological model with perfect fluid and string in f(T) theory of gravitation	International Journal of Modern Physics D, (2020) 2050054 (18 pages) ISSN No.: (print): 0218-2718 (online): 1793-6594, April 16, 2020	Yes Scopus 1.900

7.	Kaluza-Klein Cosmological Models with Polytropic Equation of State in Lyra Geometry	Prespacetime Journal, Volume 11, Issue 1, pp. 17-26 ISSN: 2153-8301, February 2020	Yes
8.	Viscous holographic dark energy in Brans–Dicke theory of gravitation	Astrophysics and Space Science 365 (1), 7 ISSN: 0004-640X (Print) 1572-946X (Online), January 6, 2020	Yes Scopus 1.620
9.	Dark Energy Scenario in Metric f(R) Formalism	Foundations of Physics, Volume 49, Issue 10, ISSN:0015-9018,1572-9516 Page No. 1067–1085, October 2019	Yes Scopus 1.344
10.	Dynamical Behavior of Coupled Magnetized Dark Energy in Lyra's Geometry	Astrophysics (Russia), Volume 62, Issue 3, ISSN:0571-7256,1573-8191 Page No. 415–433 September 2019	Yes Scopus 0.77
11.	Accelerating universe with variable EoS parameter of dark energy in Brans–Dicke theory of gravitation	Journal of Astrophysics and Astronomy 40(3) ISSN:0973-7758, Pages: 11, June 4, 2019	Yes Scopus 0.849
12.	Stability of Kaluza–Klein holographic dark energy cosmological models in f(R) theory of gravitation	Indian Journal of Physics, Volume 93, Issue 11, ISSN:0973-1458,0974-9845 Page No.: 1501–1514, March 2019	Yes Scopus 1.242
13.	Bianchi Type III Cosmological Model with Bulk Viscosity and Heat Flux in Modified f (R, T) Theory of Gravitation	Bulg.J.Phys. 46 (2019) no.2, ISSN: 1310-0157, Page No.: 107-116, Feb 2019	Yes
14.	Magnetized Anisotropic Dark Energy in the Spherical Symmetric Spacetime Admitting Conformal Motion	Prespacetime Journal, Volume 10, No. 1, ISSN:2153-8301, January 2019	Yes
15.	Kasner type magnetized string cosmological models in f(r;t) gravity	Serb. Astron. Journal ISSN: 1450-698x Pg. No. 1-11, 19 Nov 2018	Yes 0.840
16.	Bianchi Type-I Dark Energy Cosmology with Power Law Relation in Brans-Dicke Theory of Gravitation	Advances in High Energy Physics ISSN: 1687-7357 Pg No. 28545679 July 9, 2018	Yes 1.740
17.	Cosmology of string bulk viscosity in f(G) theory of gravitation.	International Journal of Geometric methods in Modern Physics, ISSN: 02198878, April 2, 2018	Yes Scopus 1.068
18.	Bianchi Type-III Holographic Dark Energy Cosmological Models in scale covariant theory of gravitation	Aayushi International Interdisciplinary Research Journal,	Yes 4.574

		ISSN: 2349-638x , Special Issue No. 26, UGC Approved Sr. No. 64259, March 2018	
19.	Bianchi Type-VI ₀ Anisotropic Dark energy Models with electromagnetic field in Lyra's Geometry	Aayushi International Interdisciplinary Research Journal, ISSN: 2349-638x , Special Issue No. 25, March 2018	Yes 4.574
20.	Bianchi Type – I Dark Energy Cosmological Model with Polytropic equation of state in Barber's Second self-creation Cosmology	International Journal of Mathematics Trends and Technology, Vol. 53, No. 6, Jan 2018, ISSN:2231-5373	Yes
21.	Stability of Strange Quark matter cosmology in modified theory of gravitation	Prespacetime Journal 8(2) Vol. 8, Issue 2, pp158-173, Feb 2017, ISSN: 2153-8301	Yes
22.	Dynamics of Bianchi Type – VI ₀ holographic Dark energy models in general relativity in Lyra's Geometry	Pramana Journal of Physics 88(2), 30 , Vol. 88, Issue 2 , Feb 2017, ISSN: 0304-4289	Yes Scopus 0.520
23.	Magnetized anisotropic dark energy models with constant deceleration parameter	Pramana Journal of physics (India) 87:88, Dec 2016, ISSN:0304-4289	Yes Scopus 0.779
24.	Hypersurface Homogeneous Cosmological Models in Modified Theory of Gravitation	Astrophysics (Russia), Vol. 59, No. 4, Dec 2016, ISSN: 1573-8191	Yes Scopus 0.77
25.	On Dynamical Instability of Kantowski-Sachs Space-Time in $f(R)$ Theory of Gravitation	Prespacetime Journal (USA) Published by Quantum Dream, Inc.7,16, Dec 2016, ISSN: 2153-8301	Yes
26.	Dynamics of Bianchi type-VI ₀ holographic dark energy models in general relativity and Lyra's geometry	Pramana Journal of physics (India) 88:30, July 20, 2016 ISSN:0304-4289	Yes 0.779
27.	Hypersurface-homogeneous Universe filled with perfect fluid in $f(R, T)$ theory of gravity	Pramana Journal of physics (India) 87:83, Dec 2016 ISSN:0304-4289	Yes Scopus 0.779
28.	Bulk Viscosity with Zero Mass Scalar Field & Magnetism in Modified Theory of Gravitation	Prespacetime Journal (USA) Published by Quantum Dream, Inc.7,12, Dec 2016, ISSN: 2153-8301	Yes
29.	Domain wall cosmological models with deceleration parameter in modified theory of gravitation	Chinese Journal of Physics (China) 54, 563–573, 2016 ISSN: 0577-9073	Yes Scopus 0.477

30.	Unified Description of Bianchi Type-I Universe in $f(R)$ Gravity	Foundations of Physics (Springer) 46,4,409-427 , April 2016 ISSN: 1572-9524	Yes Scopus 1.034
31.	Bianchi type III and Kantowski–Sachs Domain Wall Cosmological Models in the $f(R, T)$ Theory of Gravitation	Prog. Theory. Exp. Phys. (Japan)3, 033E01, March 2016 ISSN 2050-3911	Yes Scopus 2.84
32.	Two Fluid Cosmological Models in $f(R)$ Theory of Gravitation.	Indian Journal of Physics (India) 90,2, 243- 252, Feb 2016	Yes Scopus 1.166
33.	Bianchi type III Two Fluid Cosmological Models in Brans-Dicke Theory of Gravitation	Amravati University Research Journal (Special Issue International Conference on General Relativity)(India) Nov 25, 2015 ISSN:0973-9173	Yes
34.	Role of Adiabatic Index on the Stability of LRS Bianchi Type-I Cosmological Model in $f(R)$ Theory of Gravitation.	Amravati University Research Journal (Special Issue International Conference on General Relativity)(India) Nov 25, 2015 ISSN-0973-9173	Yes
35.	Domain Walls in $f(R, T)$ Theory of Gravitation	International Journal of Theoretical Physics Volume 54, Issue 10, October 13, 2015	Yes Scopus 0.964
36.	Plane Symmetric Inflationary Universe with Mass less Scalar Field and Time Varying Λ	The African Review of Physics (Africa) 10:0022 , 2015 ISSN: 2223-6589	Yes 0.11
37.	Bianchi Type II, VIII, IX String Cosmological Models in $f(R)$ Gravity	International Journal of Theoretical Physics (Netherlands) 54, 8, 2700–2711, Aug 2015 ISSN: 1572-9575	Yes Scopus 1.186
38.	Strange Quark Matter Coupled to String Cloud in Lyra Geometry	Astrophysics and Space Science (Netherlands), 375:55, May 2015 ISSN:1572-946X	Yes Scopus 2.401
39.	Hypersurface-Homogeneous Space Time with Anisotropic Dark Energy in Scalar Tensor Theory of Gravitation	Astrophysics and Space Science (Netherlands) 375:27 , April 2015 ISSN:1572-946X	Yes Scopus 2.401
40.	Some special solutions in Bianchi type VI0 cosmological models with modified chaplygin gas in general relativity	International Journal of Modern Physics D (London) Vol. 24, No. 2, Feb 2015,	Yes Scopus 1.42

		World Scientific Publishing Company ISSN: 0218-2718	
41.	Kaluza Klein Universe with Magnetized Anisotropic Dark Energy in General Relativity and Lyra Manifold	New Astronomy (Elsevier) Vol.34,pp-172-177, Jan 2015 ISSN: 1384-1076	Yes Scopus 1.244
42.	Hypersurface Homogeneous Space Time with Anisotropic Dark Energy in Brans Dicke Theory of Gravitation	Comm. Theor.Phys. (China) Vol.62 No.5,pp-768-774, Nov 2014, ISSN:0253-6102	Yes Scopus 1.049
43.	Quark Matter Coupled to Domain Walls in Bianchi types II,VIII and IX Universe	Pramana J.Phys.(India) Vol.83 No.4,pp-619-630, Oct 2014, ISSN:0304-4289	Yes Scopus 0.720
44.	Plane Symmetric Universe with Cosmic String and Bulk Viscosity in Scalar Tensor Theory of Gravitation	Romanian J. Phys. (Romania) Vol.59, No.7-8,pp-715-723, Sept 2014, ISSN:1221-146x	Yes Scopus 0.745
45.	Kaluza Klein Anisotropic Magnetized Dark Energy Cosmological Models in Brans Dicke Theory of Gravitation	Astrophysics (Russia) Vol.57, No.3,pp-417-430, Sept 2014, ISSN:0571-7256	Yes Scopus 0.556
46.	Magnetized Anisotropic Dark Energy Cosmological Models in Scale Covariant Theory of Gravitation	Int. J. Modern Phys.D (London) Vol.23,No.7,1450065, June 2014. ISSN:0218-2718	Yes Scopus 1.42
47.	Accelerating Magnetized Anisotropic Dark Energy Cosmological Models in Scalar Tensor Theory of Gravitations	International J. Math. Sci and Eng.appl.Vol.8 No.V,pp9-25 , June 2014 ISSN:0973-9424	Yes 0.525
48.	Anisotropic Dark Energy Cosmological Models from Early Deceleration to Late Time Acceleration in Lyra Geometry	Bul. J. Phys. (Bulgaria) Vol.41, pp-34-59, Jan 2014, ISSN: 1310-0157	Yes
49.	Magnetized Anisotropic Dark Energy Bianchi Type III Cosmological Models in Brans Dicke Theory of Gravitation	Int. J. Advanced applied phy. Research (India) Vol.1, pp-30-38, Jan 2014, ISSN:2408-977x/14	Yes
50.	Interacting Two Fluid Viscous Dark Energy Cosmological Models in Bianchi type II Universe	Int. J. Advanced applied phy. Research(India) Vol.1 pp-22-29, Jan 2014, ISSN:2408-977x/14	Yes
51.	FRW Cosmology for Decay Law with Time-varying G , Λ & q	Prespacetime Journal (USA), Vol. 5 , Issue 1 , pp. 31-40 Jan 2014, ISSN:2153-8301	Yes

52.	Anisotropic Homogeneous – Hypersurface with Viscosity in $f(R)$ Gravity	International Journal of Mathematical Sciences and Engineering Applications (India) Vol. 7 No. IV, pp.391-402, July 2013, ISSN: 0973 -9424	Yes 0.3
53.	Decelerating and Accelerating Bianchi type VI Vacuum Universe in $f(R)$ Gravity	International Journal of Mathematical Archieve (India) 4(9), 52-60, 2013, ISSN:2229-5046	Yes
54.	Bianchi Type V Dark Energy Model in Brans-Dicke Theory of Gravitation	Prespacetime (USA), 3, pp. 763-771, 2013, ISSN:2153-8301	Yes
55.	Kaluza-Klein Cosmological Models for Perfect Fluid and Dark Energy	Bulgarian Journal of Physics (Bulgaria), 40, pp.17-32, 2013, ISSN: 1310-0157	Yes
56.	Accelerating and Decelerating Higher Dimensional Plane Symmetric Cosmological Models with Perfect Fluid and Dark Energy	Prespacetime USA, 14, pp.161-185, 2013, ISSN: 2153-8301	Yes
57.	Plane symmetric universe in creation field cosmology	African Review of Physics, Volume 8, 2013 ISSN:2223-6589	Yes Scopus 0.39
58.	Higher Dimensional Bianchi Type I Universe with Wet Dark fluid in General Relativity	The African Review of Physics (Africa), 7, pp. 0035, 2012, ISSN:2223-6589	Yes
59.	Plane Symmetric Dark Energy Model in Brans-Dicke Theory of Gravitation	Bulgarian Journal of Physics, (Bulgaria) 39, pp. 241-247, 2012, ISSN: 1310-0157	Yes
60.	Accelerating Bianchi Type VIo String cosmological models in Barber's Second Self Creation Theory	Sci. Revs. Chem. Commu. (India), 2, pp. 463-468, 2012, ISSN: 2249-3352	Yes
61.	FRW Cosmological Model with Cosmic String in Scale Covariant Theory	Sci. Revs. Chem. Commu. (India), 2, pp.458-462,2012, ISSN:2249-3352	Yes
62.	Higher Dimensional Bianchi Type VIo Universe with Perfect Fluid and Dark Energy	Sci. Revs. Chem. Commu. (India), 2, pp.469-481,2012, ISSN:2249-3352	Yes
63.	Kantowaski-Sachs Dark Energy Model in $f(R,T)$ Gravity	Prespacetime USA, 3 pp.1087-1096, Oct 2012, ISSN: 2153-8301	Yes
64.	Cosmological Model with Strange Quark Matter Attached to Cosmic String for Axially Symmetric Space-Time	International Journal of Theoretical Physics (Netherlands),51, pp. 1881–1888, June 2012, ISSN: 1572-9575	Yes Scopus 1.186

65.	Bianchi Type-VI Inflationary Universe in General Relativity	Prespacetime Journal (USA), 3, pp. 474-479, Mar 2012, ISSN: 2153 -8301	Yes
66.	Accelerating and Decelerating Hyper Surface-Homogeneous Cosmological Models in Barber's Second Self-Creation Theory	Global Journal of Science Frontier Research (India), Vol.XII, pp 41-49, Mar 2012, ISSN: 0975-5896	Yes
67.	Accelerating And Decelerating Cosmological Models With Perfect Fluid And Dark Energy For Kasner Type Metric	International Journal of Mathematical Archive(India), 3, pp. 1283-2191, Mar 2012, ISSN: 2229-5046	Yes
68.	Dynamics of Bianchi type-III Universe with Magnetized Anisotropic Dark Energy	Prespacetime Journal (USA) , 3, pp. 154-169, Feb 2012, ISSN: 2153 -8301	Yes
69.	Einstein Rosen Universe with Magnetized Anisotropic Dark Energy	Bulgarian Journal of Physics (Bulgaria), 39, pp.231-240, 2012, ISSN:1310-0157	Yes
70.	The $Z=(t/z)$ - type plane gravitational waves of gauge invariant generalized field equations with asymmetric fundamental tensor in plane symmetry	Romanian Reports of Physics (Romania) Volume 57, Issue 7-8, Pages 1236-1251, Jan 2012, ISSN: 1221-146X	Yes Scopus 1.467
71.	Strange Quark Matter Attached to String Cosmology in FRW Space-Time	International Journal of Theoretical Physics (Netherlands), 51, pp. 83–89, Jan 2012, ISSN: 1572-9575	Yes Scopus 1.186
72.	Dynamics of Kantowski-Sachs Universe with Magnetized Anisotropic Dark Energy	Astrophysics and Space Science (Netherlands), 337, pp. 393–400, Jan 2012, ISSN: 1572-946X	Yes Scopus 2.401
73.	A higher-dimensional Bianchi type-I inflationary Universe in general relativity	Pramana -Journal of Physics (India), 78, pp. 101–107, Jan 2012, ISSN:03044289	Yes Scopus 0.720
74.	Einstein Rosen Bulk Viscous Cosmological Solutions with Zero Mass Scalar Field in Lyra Geometry	Prespacetime (USA), 3, pp. 83-89, Jan 2012, ISSN: 2153 -8301	Yes
75.	Statefinder Diagnostic for Modified Chaplygin Gas in Plane Symmetric Universe	The African Review of Physics (Africa), 7:0004, pp. 23-30, Jan 2012, ISSN:2223-6589	Yes Scopus 0.88

76.	Hypersurface-Homogeneous Inflationary Cosmological Models in General Relativity	International Journal of Mathematical Archive (India), 3, pp. 31-37, Jan 2012, ISSN: 2229-5046	Yes
77.	Hyper-Surface Universe with Wet Dark Fluid in General Relativity	Prespacetime Journal (USA), 3, pp. 480-494, 2012, ISSN: 2153 -8301	Yes
78.	Bianchi Type III Dark Energy Cosmological Model In Scalar Tensor Theory Of Gravitation	International Journal of Mathematical Archive (India), 3, pp. 1297-1304, 2012, ISSN: 2229-5046	Yes
79.	Kantowaski-Sachs Dark Energy Model in Saez-Ballester Theory of Gravitation	Prespacetime Journal (USA), 3, pp. 2012, ISSN: 2153 -8301	Yes
80.	Hypersurface-Homogeneous Inflationary Cosmological Models in General Relativity	International Journal of Mathematical Archive (India), 3, pp. 31-37, Jan 2012, ISSN: 2229-5046	Yes
81.	Magnetized Dark Energy Model in Scalar Tensor Theory of Gravitation	International Journal of Basic and Applied Research (India), Special Issue (275-282), Jan 2012, ISSN: 2249 -3352.	Yes
82.	Bianchi Type VIoMagnetized Dark Energy Model in $f(R,T)$ Gravity	International Journal of Basic and Applied Research (India), ISSN: 2249 -3352	Yes
83.	Bianchi Type VI0 Cosmological Models with Perfect Fluid and Dark Energy	International Journal of Theoretical Physics, (Netherlands), 50, pp. 3299-3312, Nov 2011, ISSN: 1572-9575.	Yes Scopus 1.186
84.	The $Z = Z(t/z)$ -Type Plane Wave Solutions of the Field Equations of General Relativity in a Plane Symmetric Space-Time	International Journal of Theoretical Physics, Volume 50, Issue 11, Nov2011. DOI 10.1007/s10773-011-0853-4	Yes Scopus 0.964
85.	FRW Cosmological Solutions with Zero-Mass Scalar Field Attached to Bulk Viscous Fluid in Saez-Ballester Theory of Gravitation	Prespacetime (USA), 2, pp. 1860-1871, Nov 2011, ISSN: 2153 -8301	Yes
86.	Accelerating and Decelerating Bianchi Type VI0 Cosmological Models with Wet Dark Fluid in General Relativity	Prespacetime (USA), 2, pp. 1232-1245, Sept 2011, ISSN: 2153 -8301	Yes

87.	FRW Bulk Viscous Cosmology in Multidimensional Space Time	International Journal of Theoretical Physics (Netherlands),50, pp. 2644-2654, Sept 2011 ISSN: 1572-9575	Yes Scopus 1.186
88.	Bianchi Type-VI ₀ Magnetized Anisotropic dark Energy Models with Constant Deceleration Parameter	International Journal of Theoretical Physics (Netherlands), 50, pp. 2477-2485, Aug 2011, ISSN:1572-9575	Yes Scopus 1.186
89.	Bianchi Type III Cosmological Model with Binary Mixture of Perfect Fluid and Dark Energy	Bulgarian Journal of Physics (Bulgaria), 38, pp. 390–399, July 2011, ISSN: 1310-0157	Yes
90.	Plane Symmetric Cosmological Models with Perfect Fluid and Dark Energy	Astrophysics and Space Science (Netherlands), 333, pp.333-341, May 2011, ISSN:1572-946X	Yes Scopus 2.401
91.	Bianchi Type-I Massive String Magnetized Barotropic Perfect Fluid Cosmological Model in Bimetric Theory	Pramana Journal of Physics (India), 76, pp. 543-551, April 2011 ISSN:03044289	Yes Scopus 0.720
92.	Einstein-Rosen String Cosmological Model In Barber's Second Self Creation Theory	International Journal of Modern Physics A (London) 26, pp.1651-1657, April 2011, ISSN:1793-656X	Yes Scopus 1.09
93.	Bianchi Type-I Domain Walls with Negative Constant Deceleration Parameter in Brans-Dicke Theory	The European Physical Journal PLUS (UK), 126 pp.126-134, April 2011, ISSN:2190-5444	Yes Scopus 1.475
94.	Bianchi Type-III Inflationary Universe with Constant Deceleration Parameter in General Relativity	Bulgarian Journal of Physics (Bulgaria), 38, pp. 139–144, Jan 2011, ISSN: 1310-0157	Yes
95.	Plane Symmetric solution of Einstein-Maxwell Equation with the coexistence of null fluids and null currents	African Review of Physics , Vol 6, Jan 2011, ISSN:2223-6589	Yes Scopus 0.88
96.	LRS Bianchi Type-I Domain walls In Saez-Ballester's Scalar Tensor Theory of Gravitation	Prespace time Journal (USA), 2, pp. 42-51, Jan 2011, ISSN:2153 -8301	Yes

97.	Plane Symmetric Universe with Wet Dark Fluid in General Relativity	Prespace-time Journal (USA), 2, Jan 2011, ISSN:2153 -8301	Yes
98.	Behavior of Bimetric Tensor Quantities With Regard To Nonstatic Plane Symmetric Space-Times	Amravati University Research Journal, Vol.V, 2010-11 (India) ISSN: 0973-9173	Yes
99.	Plane Gravitational Waves of Non-Symmetric Unified Field Equations of Einstein, Bonnor and Schrodinger in Plane Symmetry	Journal of Vectorial Relativity (Venezuela), 30310, pp.18-25, 2010, ISSN: 1856-6847	Yes
100.	Higher Dimensional LRS Bianchi type-I Domain Walls in Scalar Tensor Theory of Gravitation	International Journal of Theoretical Physics (Netherlands), 49, pp. 2358-2363, Oct 2010, ISSN:1572-9575	Yes Scopus 1.186
101.	A Magnetized Kantowski-Sachs Inflationary Universe In General Relativity	Bulgarian Journal of Physics (Bulgaria), 37, pp.144-151, Oct 2010, ISSN:1310-0157	Yes
102.	Anisotropic Plane Symmetry Magnetized Model with Cosmological Constant	International Journal of Theoretical Physics (Netherlands), 49, pp. 2105-2112, Sept 2010, ISSN:1572-9575	Yes Scopus 1.186
103.	Anisotropic plane symmetric magnetized model with cosmological constant	International Journal of Theoretical Physics (Netherlands), 49, pp. 187-193, Sept 2010 , ISSN:1572-9575	Yes Scopus 1.186
104.	Domain Wall Strange Quark matter in Einstein Rosen Space-Time with Cosmological Constant and Heat Flow	International Journal of Theoretical Physics (Netherlands), 49, pp. 1929-1935, Aug 2010 ISSN:1572-9575	Yes Scopus 1.186
105.	N-Dimensional Bianchi type-I Universe in Creation-field Cosmology	Astrophysics & Space Science(Netherlands), 327, pp. 125-130, May 2010 ISSN:1572-946X	Yes Scopus 2.401
106.	Generalized Plane Gravitational Waves of Non-symmetric Unified Field Theories in General Relativity	Journal of Vectorial Relativity (Venezuela), 1, pp. 30-41, May 2010, ISSN:1856-6847	Yes
107.	Einstein-Rosen Inflationary Universe in General Relativity	Pramana-Journal of Physics (India), 74, pp. 669-673, April 2010 , ISSN:03044289	Yes Scopus 0.720

108.	Bianchi type-V Domain walls Cosmological Models with Strange Quark Matter in Brans-Dick Theory of Gravitation	Vidarbh journal of science India, 5, pp. 3-4, April 2010, ISSN:0973-8932	Yes
109.	Higher Dimensional Bianchi type-V Universe in Creation field Cosmology	Natural Science, 2, pp. 484-488, Mar 2010 ISSN: 2150-4105	Yes
110.	Bianchi Type-I Cosmological Model in Self Creation Cosmology	Fizika B (Zagreb) Croatia, 19, pp.161-168, Feb 2010, ISSN:1333-9133	Yes
111.	Higher Dimensional Spherically Symmetric Domain Walls and Cosmic String in Bimetric Theory	Journal of Vectorial Relativity (Venezuela), 2, pp. 12-17, Feb 2010, ISSN:1856-6847	Yes
112.	FRW Cosmological Models with Bulk-Viscosity in Barber's Second Self-Creation Theory	International Journal of Theoretical Physics (Netherlands), 49, pp. 187-193, Jan 2010 ISSN:1572-9575	Yes Scopus 1.186
113.	Higher Dimensional Bianchi Type- VIo Universe in Creation-Field Cosmology	Bulg. J. Phys Bulgaria, 37, pp. 90-99, Jan 2010 ISSN:1310-0157	Yes
114.	Bianchi Type-III Cosmic Strings and Domain Walls Cosmological Models in Self-creation Cosmology	Prespace-time Journal (USA), 2, pp. 447-461, Jan 2010 ISSN:2153 -8301	Yes
115.	On Kasner Type Space-time in Scale-Covariant Theory	Journal of Vectorial Relativity (Venezuela), 4, pp. 42-47, Jan 2010, ISSN:1856-6847	Yes
116.	Cosmological Models in Saez- Ballester Theory of Gravitation	Journal of Vectorial Relativity (Venezuela), 2, pp. 42-50, Jan 2010, ISSN:1856-6847	Yes
117.	Generalized Plane Gravitational Waves of Weakened Field Equation in General Relativity	J. Math. Phys.(USA) Vol.50,053504, Mar 2009, ISSN:0938-8974	Yes Scopus 1.18
118.	Inflationary Kantowski-Sachs Cosmological Model in General Relativity	Astrophysics and Space Science (Netherlands), 323, pp. 293-295, Oct 2009, ISSN:1572-946X	Yes Scopus 2.401
119.	Bimetric Spherically Symmetric Quantities in Higher Dimensional Space Time	Vidarbh J. Science (India) Vol.4,No.3-4,16-25, Oct 2009 ISSN:0973-8932	Yes

120.	Higher Dimensional Plane Symmetric Cosmological Model in Bimetric Theory of Relativity	Vidarbh J. Science (India) Vol.4,No.3-4,52-59, Oct 2009 ISSN:0973-8932	Yes
121.	Kantowaski-Sachs Inflationary Universe in General Relativity	International Journal of Theoretical Physics (Netherlands), 48, pp. 2884-2888, Sept 2009, ISSN:1572-9575	Yes Scopus 1.186
122.	Kuntowski - Sachs inflationary universe in general relativity	International Journal of Theoretical Physics, Vol.48, Issue 10 , Sept 2009, ISSN: 0020-7748	Yes Scopus 0.968
123.	Zero Mass Scalar field with Bulk Viscous Cosmological Solutions in Lyra Geometry	Astrophysics & Space Science (Netherlands), 323, pp. 87-90, Aug 2009, ISSN:1572-946X	Yes Scopus 2.401
124.	Bianchi I Cosmological Mesonic Stiff Fluid Models in Lyra's Geometry	Pramana-Journal of Physics (India), 71,1,15-22, July 2008 ISSN:03044289	Yes Scopus 0.720
125.	Behavior of Bimetric Quantities in Bianchi I Type Space Time	Vidarbh J. Science (India) Vol.3,No.1,28-34, July 2008, ISSN:0973-8932	Yes
126.	Plane Gravitational Waves in Gauge Invariant Generalized Field Equation with Asymmetric Fundamental Tensor in Plane Symmetric.	J. Math. Phys. (USA) Vol.49,083505,July 2008, ISSN:0938-8974	Yes Scopus 1.18
127.	Plane Symmetric Cosmological Models with Negative Constant Deceleration Parameter in Self Creation Theory	Astrophysics & Space Science (Netherlands),315, 347-352, June 2008 ISSN:1572-946X	Yes Scopus 2.401
128.	Bimetric Cylindrically Symmetric Quantities in Higher Dimensional Space Time	The Mathematics Education (India) Vol.XLII,No.2,107-112, Jan 2008, ISSN:0047-6269	Yes
129.	Magnetized Cosmological Models in Bimetric Theory of Gravitation	Pramana-Journal of Physics (India), 67,2, pp. 227-237, Aug 2006, ISSN:03044289	Yes Scopus 0.720
130.	An Exact Solution of String Cosmological Model in Scalar Tensor Theory of Gravitation	Vidarbh J. Science (India) Vol.1,No.1,10-15, Aug 2006 ISSN:0973-8932	Yes
131.	Bimetric Plane Symmetric Quantities in Higher Dimensional Space Time	Bulletin of pure and applied science (India). Vol.26E no.2,1-11, Jan 2006 ISSN: 0970-6577	Yes

132.	On Plane Symmetric Domain Walls and Cosmic strings in Bimetric Theory.	Astrophysics & Space Science (Netherlands), 301,3, 149-151, Jan 2006 ISSN:1572-946X	Yes Scopus 2.401
133.	Higher Dimensional Bianchi Type VI Cosmological Model in Bimetric Theory of Gravitation	The Mathematics Education (India) Vol.XL,No.1,40-46, Jan 2006, ISSN:0047-6269	Yes
134.	Plane Gravitational Waves in Bimetric Theory of Relativity in 4-Dimensional Space Time	Bulletin of pure and applied science (India). Vol.25E no.2,439-446, Jan 2006 ISSN: 0970-6577	Yes
135.	Non Existence of N-dimensional Static Plane Symmetric Solutions in Bimetric Theory of Relativity	Astrophysics & Space Science (Netherlands), 299,3, 233-238, July 2005 ISSN:1572-946X	Yes Scopus 2.401
136.	Non Existence of Five Dimensional Static Plane Symmetric Solutions in Bimetric Relativity	Vidarbh J. Science (India) Vol.1,37-40, Oct 2004 ISSN:0973-8932	Yes
137.	Plane Symmetric Gravitational Waves in General theory of Relativity	Vidarbh J. Science (India) Vol.1,41-45, Oct 2004 ISSN:0973-8932	Yes
138.	Interaction of Massive Scalar Mesonic Field and Perfect Fluid on Non Static Plane Symmetric Metric in Bimetric Theory	Bulletin of pure and applied science (India). Vol.23E no.1,115-119, Jan 2004 , ISSN: 0970-6577	Yes
139.	Plane Wave Solutions in Bimetric Theory of Gravitation for N-dimensional Space Time	Far East J. Applied Math. (India) Vol.10E, No.2, 139-143, Jan 2003, ISSN:0972-0960.	Yes
140.	Non existence of Plane Symmetric Cosmological Models in Bimetric Theory of Gravitation	Bulletin of pure and applied science (India). Vol.21E no.2,531-534, Jan 2002 , ISSN: 0970-6577	Yes
141.	Plane Gravitational Waves in Bimetric Theory of Relativity	Proceedings of Einstein's Foundation International Journal (India) Vol.11,75-81, May 2001, ISSN: 978-81-88763-51-1	Yes
142.	Inhomogeneous Plane Symmetric Models in Bimetric Theory	Astrophysics & Space Science (Netherlands), 275, 175-179, Feb 2001, ISSN:1572-946X	Yes Scopus 2.401

143.	Plane Symmetric Space Times in Bimetric Relativity Theory	Czechoslovak J.Phys.(Czechoslovakia) Vol.51, No.5,429-438, Jan 2001, ISSN:0011-4626	Yes Scopus
144.	A Non Static Plane Symmetric Cosmological Model in Bimetric Theory of Gravitation	Research Notes and Memoranda of applied geometry for Prevenient Natural Philosophy Post RAAG reports (Japan) No.352, Nov 2000, ISSN-1973-2001	Yes

No. of Authored/Edited Book

S.N.	Name of Book	Publisher	ISBN No.	Year
1.	Riemannian Geometry (Reference Book for SGB Amravati University, Amravati (India))	Sonu Nilu Einstein Foundation International	ISBN:978-81-88763-51-1	Feb 2015
2.	Elements of General Relativity (Reference Book for SGB Amravati University, Amravati (India))	Sonu Nilu Einstein Foundation International	ISBN:978-81-88763-51-1	June 2014
3.	Modern Algebra (groups-rings) (Reference Book for SGB Amravati University, Amravati (India))	Sonu Nilu Einstein Foundation International	ISBN:978-81-88763-48-1	May 2014
4.	Proceedings of International conference on Relativity, 2005	Member, Editor Book	-----	March 2006
5	Proceedings of International Conference on Mathematical Science, Shri Shivaji Science College, Nagpur	Member, Editor Book	ISBN: 978-93-81432-66-2	Dec 2012
6.	Algebra, group & Rings [For B.Sc Mathematics (Godwanna University)]	Sonu Nilu Einstein Foundation International	ISBN: 978-81-88763-48-1 (Fifth Edition-Nov 2018)	Nov 2018
7.	Integral Transform (YCMOU)	e-book	-----	Dec 2020
8.	Differential Geometry (YCMOU)	e-book	-----	May 2021

Invited Talks Delivered in Seminars, Symposia and Conferences

Sr. No.	Title of Talk	Conference/ Organized by	Date	Level
1.	Foundation of Modified Theories of Gravitation	National Conference on Recent Advances in Sciences & Technology, GSG College, Umarkhed	March 5-6, 2019	National
2.	On Dynamics of cosmological models in theories of Gravitation	International Conference on Recent Advances in Physical Sciences and Future Challenges, Osmania University, Hyderabad	July 14-16, 2017	International Sponsored by UGC
3.	On theories of gravitation	International Conference on Mathematical analysis and its Applications Dayanand Science College, Latur	Mar 6-8, 2017	International Sponsored by UGC, DST, CSIR, INSA
4.	On modified theories of gravitation	National Conference on Recent Advances in Mathematical Sciences Department of Mathematics, Sant Gadge Baba Amravati University, Amravati	June 17-18, 2016	National Sponsored by UGC, DST
5.	On modified theories of gravitation	International Conference on General Relativity Department of Mathematics, Sant Gadge Baba Amravati University, Amravati	Nov 25-28, 2015	International Sponsored by UGC, DST
6.	On modified $f(R,T)$ theory of gravitation	National Conference on Recent Trends in Mathematics Mungasaji Maharaj Mahavidyalaya, Darwha, Dist- Yavatmal	Sept 12-13, 2015	National Sponsored by UGC
7.	On gravitation theory	State level Conference on Recent Trends in Mathematics and its applications G.D.M. Arts, K.R.N. Commerce and M.D. Science College, Jamner, Dist- Jalgaon	Dec 16-17, 2013	State Sponsored by UGC
8.	String cloud with conformally static spherically symmetric sphere in Lyra geometry	National Conference on Recent Trends in Mathematics Department of Mathematics, G.S. Gawande Mahavidyalaya, Umarkhed	Sept 21, 2013	National Sponsored by UGC

9.	On f(R) gravity	National Conference on Mathematical Sciences (NCMS-2013) Shri Dr. R.G.Rathod Arts & Science College, Murtizapur	Jan 18-19, 2013	National Sponsored by UGC
10.	Why number theory is the queen of mathematics?	Symposium on Number Theory and Related Topics (SNTRT 2013) Shantaram Janorkar Foundation of Mathematics	Jan 15– 16, 2013	National Sponsored by CSIR
11.	On dark energy cosmological model	International Conference on “Mathematical Science” Science College , Congress Nagar, Nagpur	Dec 28-31, 2012.	International Sponsored by UGC DST, CSIR,INSA
12.	Magnetized dark energy model in scalar tensor theory of gravitation	National Conference on Recent Trends in Mathematics and its applications in Astronomy (NCRTMAA 2010) Mungsaji Maharaj Mahavidyalaya , Darwaha, Dist- Yavatmal.	Feb 27-28, 2010.	National Sponsored by UGC

Chairperson of Invited talks and paper presentation sessions in conferences.

Sr. No	Seminar/Symposia /Conference	Place	Date	Level
1	Chaired the technical session	International Conference on Advances in Physical, Chemical and Mathematical Sciences (ICA- PCM-2020), SRTM, Nagpur	Feb 13-16, 2020	International
2	Chaired the technical session/ Paper Presentation Session	International Conference on Recent Inventions and innovations in Mathematical Sciences, Vishakhapatnam	Feb 28 , March 01, 2019	International Sponsored by UGC, DST
3	Chaired the technical session	National Conference on Emerging trends in Sciences, Vidhyabharti Science College, Amravati	Feb 01 & 02, 2019	National Sponsored by UGC

4	Chaired the technical session/ Paper Presentation Session	International Conference in Recent Trends in Science and Technology SSSKR Innani Mahavidhyalaya, karanja (Lad) Dist. Washim	March 22-23, 2018	International Sponsored by UGC (CPE), DST
5	Chairperson invited talk/ paper presentation Session	International Conference on Algebra, Discrete Mathematics and Applications (ICADMA 2017) Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Dec 9-11 , 2017	International Sponsored by NBHM, DST, CSIR, INSA,DRDO, IMU, Dr. BAMU A'bad
6	Chaired the technical session	International Conference on Mathematical analysis and its Applications Dayanand Science College, Latur	Mar 6-8, 2017	International Sponsored by UGC, DST, CSIR, INSA
7	Chaired the technical session	National Conference on Recent Advances in Mathematical Sciences Department of Mathematics, Sant Gadge Baba Amravati University, Amravati	June 17-18, 2016	National Sponsored by UGC, DST
8	Chaired the technical session	International Conference on General Relativity Department of Mathematics, Sant Gadge Baba Amravati University, Amravati	Nov 25-28, 2015	International Sponsored by UGC, DST
9	Chaired the technical session	Mungasaji Maharaj Mahavidyalaya, Darwha, Dist- Yavatmal	Sept 12-13, 2015	National Conference on Recent Trends in Mathematics Sponsored by UGC

10	Chaired the technical session	GSSDGS Khalsa College, Patiala and International Multidisciplinary Research Foundation	Mar 19-21 , 2015	International Sponsored by International Multidisciplinary Research Foundation
11	Chaired the technical session	Department of Mathematics, Rashtrasant Tukdoji Maharaj, Nagpur	Jan 20-23 , 2014	International Sponsored by DST, CSIR, INSA, UGC
12	Chaired the technical session	Department of Engineering Sciences, MIT Academy of Engineering, Alandi (D), Pune	June 6-7, 2013	National Sponsored by UGC
13	Chaired the technical session	Shantaram Janorkar Foundation of Mathematics at Mahan	Jan 15-16, 2013	National Sponsored by CSIR
14	Chaired the technical session	Science College, Congress Nagar, Nagpur	Dec 31, 2012	International Sponsored by UGC, DST, CSIR, INSA
15	Chaired the technical session	Science College, Congress Nagar, Nagpur	Dec 31, 2012	International Sponsored by UGC, DST, CSIR, INSA
16	Chaired the technical session	Department of Engineering and sciences & ISTE, PRMIT&R Chapter, Badnera, Amravati	April 8,2012	National Sponsored by UGC
17	Chaired the technical session	Department of Mathematics, Sindhu Mahavidyalaya, Nagpur	Jan 28-29, 2012	National Sponsored by UGC
18	Chaired the technical session	Mungsaji Maharaj Mahavidyalaya, Darwha	Feb 27-28, 2010	National Sponsored by UGC
19	Chaired the technical session	Mahatma Phule Science College, Warud	Dec 18,2009	State Sponsored by UGC
20	Chaired the technical session	Department of Mathematics, Govt. vidarbha Institute of Science and Humanities, Chaired the technical session Amravati	Sept 18-19, 2009	National Sponsored by UGC

21	Chaired the Session of paper presentation	Sardar Patel Mahavidyalaya, Chandrapur	March 21, 2009	State Sponsored by UGC
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Papers Presented in Conferences/ Symposia and Workshops

S.N.	Seminar/ Symposia/ Conference	Place	Date	Level
1.	Kaluza-Klein Cosmological Models in f(R) Theory of Gravity	International Conference on Advances in Physical, Chemical and Mathematical Sciences (ICA- PCM- 2020), SRTM, Nagpur	Feb 13-16, 2020	International
2.	Foundation of Modified Theories of Gravitation	National Conference on Recent Advances in Sciences & Technology, GSG College, Umarkhed	March 5-6, 2019	National
3.	On Dark Energy Scenerio in Metric f(R) Formalism	International Conference on Recent Inventions and innovations in Mathematical Sciences, Vishakhapatnam	Feb 28 & March 01, 2019	International
4.	Bianchi Type VI_0 Anisotropic Dark Energy Models with Electromagnetic Field in Lyra's Geometry	International Conference in Recent Trends in Science and Technology SSSKR Innani Mahavidhyalaya, karanja (Lad) Dist. Washim	March 22-23, 2018	International Sponsored by UGC (CPE), DST
5.	Bianchi type I space time with two fluid cosmological models in Lyra Geometry	International Conference on Algebra, Discrete Mathematics and Applications (ICADMA 2017) Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	Dec 9-11, 2017	International Sponsored by NBHM, DST, CSIR, INSA, DRDO, IMU, Dr. BAMU Aurangabad
6.	Bianchi type III holographic dark energy cosmological model in brans-dicke theory of gravitation	National Conference on Recent Advances in Mathematical Sciences Department of Mathematics, Sant Gadge Baba Amravati University, Amravati	June 17-18, 2016	National Sponsored by UGC, DST
7.	Kaluza Klein cosmological models with polytropic equation of state in Lyra Geometry	International Conference on General Relativity Department of Mathematics, Sant Gadge Baba Amravati University, Amravati	Nov 25-28, 2015	International Sponsored by UGC, DST

8.	Domain walls in $f(R,T)$ theory of gravitation	International Conference on Advances in Mathematical Sciences-2015 GSSDGS Khalsa College, Patiala and International Multidisciplinary Research Foundation	Mar 19-21, 2015	International Sponsored by International Multidisciplinary Research Foundation
9.	Anisotropic dark energy cosmological models in Brans-Dicke theory of gravitation	National Conference on Recent Trends in Mathematics Department of Mathematics, G.S. Gawande Mahavidyalaya, Umarched	Sept 21 , 2013	National Sponsored by UGC
10.	Dynamics of Bianchi type models	National Conference on "Engineering Applications of Mathematics" (NCEAM-2013) Department of Engineering Sciences, MIT Academy of Engineering, Alandi (D), Pune	June 6-7 , 2013	National Sponsored by DRDO
11.	Anisotropic homogeneous hypersurface with bulk viscosity in $f(R)$ gravity	International Conference on Mathematical Sciences Science College, Congress Nagar, Nagpur	Dec 28-31, 2012	International Sponsored by UGC, DST, CSIR, INSA
12.	Bianchi type VI magnetized dark energy model in $f(R,T)$ gravity	National Conference on Recent Trends in Physics (NCRTP2012) Mungsaji Maharaj Mahavidyalaya, Darwha	Oct 26-27, 2012	National Sponsored by UGC, DRDO New Delhi
13.	Higher dimensional Bianchi type VI_0 universe with perfect fluid and dark energy	National Conference on Role of Basic Sciences in Emerging Industrial Scenario Prof. Ram Meghe Institute and Research, Badnera	April 8, 2012	National Sponsored by UGC
14.	Hypersurface homogeneous cosmological model in Barber's self creation theory of gravitation	National Seminar on Present Development and Future Trends Department of Mathematics, Sindhu Mahavidyalaya, Nagpur	Jan 28-29, 2012	National UGC Sponsored

15.	FRW bulk viscous cosmology in higher dimensional space-time	77 th Annual Conference of the Indian Mathematical Society (IMS) School of Mathematical Sciences, S.R.T.M. University, Nanded	Dec 27-30, 2011	National Sponsored by National Board for Higher Mathematics (NBHM), UGC, DST, CSIR, INSA
16.	Hypersurface universe with wet dark fluid in general relativity	14 th International Conference on Physical Sciences Interface With Humanity S.V. National Institute of Technology, Surat	Dec 22-24, 2011	International Sponsored by SVNIT, Ministry of Earth Sciences, CSIR, DRDO
17.	Domain walls in scale covariant theory for kasner type metric	National conference on recent trends in Mathematics and its applications in Astronomy Mungsaji Maharaj Mahavidyalaya , Darwaha, Dist- Yavatmal.	Feb 27-28, 2010	National Sponsored by UGC
18.	Some aspects of Bianchi space time in saezballester theory of gravitation	Conference on gravitation theories and astronomy Nilkanthrao Shinde Science & Arts College, Bhadrawati	Dec 28-30, 2009	National Sponsored by CSIR
19.	Higher dimensional spherically symmetric domain walls & cosmic strings in bimetric theory	Seminar on recent developments in relativity Mahatma Fule Arts, Commerce and Sitaramji Chaudhari Science College, Warud	Dec 18 , 2009	State Sponsored by UGC
20.	Bianchi type I cosmological model in saezballester theory of gravitation	Innovations in basic sciences in realm of modern education system Jankidevi Bajaj College of Science, Wardha	Dec 27-28, 2008	National Sponsored by UGC, CSIR, DST, Shiksha Mandal
21.	Plane symmetric magnetized model in biometric theory of gravitation	National conference on emerging trends in engineering and technology Babasaheb Naik College of Engineering, Pusad	Dec 17-18, 2007	National Sponsored by UGC
22.	Spherically symmetric non static space times in bimetric theory of gravitation	International conference on relativity Department of Mathematics, Amravati	Jan 11-14, 2005	International Sponsored by UGC, CSIR

23.	Contribution of cosmological constant to the plane gravitational waves in N-dimensional space time	National seminar on recent advance in applied mathematics Department of Applied Mathematics, Andhra University, Vishakhapatnam	Jun30 – Jul 1, 2004	National Sponsored by UGC
24.	Cylindrically symmetric non static space times in bimetric theory of gravitation	International Symposium on Recent advances in Mathematics and its applications Calcutta Mathematical Society, Calcutta	Dec 20-22, 2003	International Sponsored by UGC
25.	Cylindrically symmetric vacuum solutions in Brans-Dicke theory	National conference on integral transforms and Their Applications in Science and Engineering (ITASE) Shri Sant Gajanan Maharaj College of Engineering, Shegaon	Feb16-18, 2002	National Sponsored by UGC
26.	How to achieve balance between education in universal values and academic studies	All India conference on universal values in higher education Prajapita Brahma Kumaris Ishwariya Vishwa Vidyalaya, Mount Abu (Rajasthan)	Oct 14-16, 2001	National Sponsored by UGC
27.	Plane Gravitational waves in Bimetric Theory of Gravitation	National Symposium on Mathematical sciences Department of Mathematics, Nagpur University, Nagpur	Mar 1-5, 2001	National Sponsored by UGC
28.	Plane symmetric similarity solutions in biometric theory of relativity	International conference on mathematical physics R.T. M. Nagpur University, Nagpur	Jan.,1999	International Sponsored by UGC
29.	What make college academically great	Mungasaji Maharaj Mahavidhyalaya , Darwha	April 17, 1999	State Sponsored by UGC

Honors and Awards:

1. Maharashtra Government Research Scholarship in 1996
2. Faculty improvement Program of UGC, New Delhi for M.Phil. Degree under VIIth plan.
3. Faculty Development Program of UGC, New Delhi to complete Ph.D. Degree under IXth plan.
4. Mahatma Jotiba Fule Rajyastariya Adarsh Shikshak Puraskar-2016.

Administrative and Academic Assignments in the University/Department/Other

Universities:

1. Member of Academic Bodies:

- Member, Board of Examination and Evaluation, SGB Amravati University, Amravati.
- Member, Board of University Departments & Interdisciplinary Studies, SGB Amravati University, Amravati
- Member, Board of Management of Autonomous Physical Education College, Hanuman Vyayam Prasarak Mandal, Amravati (University Nominee)
- Member of Academic Council of Government College of Engineering, Amravati (University Nominee)
- Member, University Equivalence Committee in Science & Technology, SGB Amravati University, Amravati
- Member, UGC Travel Grant Committee, SGB Amravati University, Amravati.
- Member, Financial assistance to the affiliated colleges and university departments, IQAC, TRDEA, SGBAU, Amravati
- Member, Research and Recognition Committee (RRC) in Mathematics in the Faculty of Science & Technology, SGB Amravati University, Amravati
- Member, Research and Recognition Committee (RRC), Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.
- Member, Research and Recognition Committee (RRC), MGM University, Aurangabad.
- Member, Board of Studies in Mathematics, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon
- Member, Board of Studies in Mathematics, SRTMU, Nanded and Gondwana University.
- Member, Board of Studies in Mathematics, JB Science Mahavidhyalaya, Wardha (Autonomous Institute)
- Member, Board of Studies in the Department of Mathematics, G.H Raison University, Amravati.
- Supervisor for Ph.D. and M.Phil. Guide, SGB Amravati University, Amravati
- Advisory Member of “Avishkar” Committee, SGB Amravati University, Amravati.
- On Society Grievance Committee (Sansthatmak Takrar Niwaran)

2. Coordinator for various Administrative & Academic Bodies:

- **Coordinator, IGNOU (1609) Study Center, SGB Amravati University, Amravati.**
- **Coordinator, “National Mathematics Day” Sponsored by “National Council for Science & Technology Communication, DST, Govt. of India”; “Rajiv Gandhi Science and Technology commission, Govt. of Maharashtra” and SGB Amravati University, Amravati.**
- **Coordinator, Remedial Coaching Classes for SC/ST and Minority students, SGB Amravati University, Amravati (UGC)**
- **In-charge, Head of Department of Statistic, SGB Amravati University, Amravati**

3. Chairman of Academic Bodies:

- **Chairman, Board of Studied in Mathematics in the faculty of Science and Technology, SGB Amravati University, Amravati.**
- **Chairman, Mathematics Teachers Association, SGB Amravati University, Amravati**

4. Worked in Administrative & Academic Bodies:

- **As a member of Research and Recognition Committee (RRC),Gondwana University, Gadchiroli**
- **As a member of Management Council SGB Amravati University, Amravati.**
- **In LEC for affiliation / to open new colleges/ new courses/ closing of colleges and committees constituted from management council, SGBAU, Amravati**
- **As a Hon’ble VC Nominee/ subject expert for placement of teachers/ selection of teachers in universities and affiliated colleges.**
- **Coordinator for MPSC Guidance Center(UGC), SGB Amravati University, Amravati.**
- **As a Resource person in refresher courses in Mathematics for junior college teachers organized by Maharashtra Government.**
- **Resource person in refresher courses in Mathematics/ other interdisciplinary subjects organized by UGC.**
- **On Enquiry Committees, SGB Amravati University, Amravati**
- **On Paryavaran Puruskar Samiti.**
- **On PET Committee of the University.**

Membership of Scientific Societies:

- Life Member of **Indian Science Congress Association, Kolkata.**
- Executive Member of **Indian Science Congress Association, Amravati Chapter**
- Life Member of **Indian Mathematical Society, New Delhi.**
- Life Member of **International Academy of Physical Sciences**
- Executive member of Shri Shivshankar Sarwajanik Vachanalay, Kalamba Mahali (Washim)
- Founder Executive member of Raman Science Academy, Washim.
- Member of Haribhau Prathishthan, Washim
- Member of Einstein Foundation International, India

Signature of Faculty