

PERSONAL PROFILE



Name : DR. SAMADHAN LAXMAN MUNDE

Department : Mathematics

Designation : Assistant Professor
(N.S.S. Programme Officer)

Academic Qualification : M. Sc. , M. Phil. , Ph. D. (Mathematics)

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Specialization : Relativity, Differential Geometry, Operations Research

Area of Research : Relativity and Cosmology, Alternative Theories of Gravitation

Teaching Experience : UG :- 05 Years , PG :- 10 Years

Research Experience : 12 Years

No. of Research Papers Published : 13 (International Journals)

National / International Conferences Attended : 12 [National (8) , International (4)]

Research Oriented Workshop/Seminar : 19 [National (3) , State (3) , University (13)]

Invited Talk : 04

Orientation / Refresher Courses Completed : 03

Project Fellow : A full time U.G.C. “Junior Research Project Fellow” under the guidance of Prof. Dr. K. S. Adhav in “Major Research Project (2012-15)” which was sanctioned by University Grant Commission (U.G.C.) New Delhi.

International Research Papers Publications : 13

Sr. No.	Title of Paper	Authors	Journal Name	Publisher	Vol. No. (Issue No.)	Page No.	Year
01	Bianchi type-VI ₀ cosmological models with anisotropic dark energy.	K. S. Adhav, A. S. Bansod, S. L. Munde, R. G. Nakwal	Astrophysics and Space Science	Springer (Scopus)	Vol.332, Issue 2	497 to 502	2011

02	Higher dimensional Bianchi type-V cosmological models with perfect fluid and dark energy	K. S. Adhav, A. S. Bansod, S. L. Munde, M. S. Desale	International Journals Theoretical Physics	Springer (Scopus)	Vol.50, Issue 8	2573 to 2581	2011
03	Kaluza-Klein universe in $f(R, T)$ gravity with constant deceleration parameter.	K. S. Adhav, S. L. Munde, A. S. Bansod	International Conference on Mathematical Sciences	Proceeding of International Conference on Mathematical Sciences	Proceeding of "International Conference on Mathematical Sciences" 28-31 Dec-2012, Nagpur		2012
04	Vacuum solutions of Bianchi types-I and V models in $f(R)$ gravity with a special form of deceleration parameter.	D.R.K. Reddy K. S. Adhav, S. L. Munde	International Journal of Science and Advanced Technology	--	Vol.4, No 3	23 to 33	2014
05	Anisotropic Cosmological Models in $f(R)$ Gravity with Quark & Strange Quark Matter and Special Form of Deceleration Parameter.	K. S. Adhav, G. B. Tayde S. L. Munde	African Review of Physics" International journals	African Physical Society (Scopus)	Vol.09	381 to 389	2014
06	Kantowski-Sachs cosmological model with quark & strange quark matter in $f(R)$ theory of gravity.	K. S. Adhav, A. S. Bansod, S. L. Munde	Open Physics formerly Central European Journal of Physics	Walter de Gruyter Open (Scopus)	Vol.13	90 to 95	2015
07	Interacting Dark Matter and Holographic Dark Energy in Bianchi Type-V Universe.	K. S. Adhav, S. L. Munde, G. B. Tayde V. D. Bokey	Astrophysics and Space Science	Springer (Scopus)	Vol.359, Issue 1, 24	1 to 8	2015
08	Early Decelerating and Late Time Accelerating Bianchi Type-V Cosmological Model with Quadratic Equation of State in General Relativity.	K. S. Adhav, P. R. Agrawal, S. L. Munde, M.A.Purandare	Proceeding of "International Conference on Frontiers in Mathematics-2015", Guahati university	Proceeding of "International Conference on Frontiers in Mathematics-2015", Guahati university	Proceeding of "International Conference on Frontiers in Mathematics-2015", Guahati university	82 to 86	2015
09	Kaluza-Klein Universe with Interacting Dark Matter and Holographic Dark Energy in General Relativity.	K. S. Adhav, V. D. Bokey, A. S. Bansod, S. L. Munde	Amravati University Research Journal	Amravati University Research Journal	Special Issue of "International Conference on General Relativity-2015", Amravati university,	14 to 19	2015

10	Interacting Dark Fluid in Anisotropic Universe with Dynamical Deceleration Parameter.	K. S. Adhav, V. D. Bokey, A. S. Bansod, S. L. Munde	International Journals Theoretical Physics	Springer (Scopus)	Vol.55, Issue 10	4384 to 4392	2016
11	Kaluza-Klein Cosmological Model with Quark and Strange Quark Matter in $f(R, T)$ Gravity.	S. L. Munde	International Journal of Advanced Research	A Peer Reviewed Open Access, Cross Ref Indexed Journal	Vol.09, Issue 04	264 to 272	2021
12	Bianchi Type-III Cosmological Model with Special Form of Deceleration Parameter in $f(R, T)$ Gravity.	S. L. Munde	International Journal of Creative Research Thoughts	International Peer Reviewed & Refereed Journals, Open Access Journal	Vol.09, Issue 04	3659 to 3665	2021
13	Kaluza-Klein Universe in $f(R, T)$ Gravity with Constant Deceleration Parameter in Presence of Quark Matter.	S. L. Munde	International Journal of Science and Research	Refereed & Double Blind Peer Reviewed Journal, Open Access.	Vol.10, Issue 04	852 to 856	2021

Participation in Research Oriented National / International Conferences : 12

Sr. No.	Conference	Place	Date
01	Presented Research Paper entitled as "Anisotropic Bianchi Type-III Cosmological Model with Quark Matter in $f(R, T)$ Gravity" in National e-Conference on Recent Mathematical Innovation & Skills in 21 st Century.	Department of Math's; IQAC, S.G.B.A.U. Amravati and R.D.I.K & K. D. College, Badnera (Amravati)	27 March 2021
02	Participated in "International e-Conference on "Recent Trends in Advancement of Mathematical and Physical Sciences".	Deva Nagri College, Meerut	22 , 23 May 2020
03	Attended "National Conference on Multidisciplinary Research in Science and Technology for Health Life style Management".	Shri R.L.T. College of Science, Akola	28 Jan. 2020
04	Attended "National Conference on Recent Advances in Physical and Mathematical Sciences.	Shri Shivaji College of Arts , Sci. & Com., Akola	18 Jan. 2020
05	Presented a research paper in "National Conference on Recent Advances in Mathematical Sciences-2016 (NCRAM-2016)".	Department of Mathematics, Sant Gadge Baba Amravati University, Amravati	17-18 June 2016
06	Presented a research paper in "International Conference on General Relativity-2015 (ICGR-2015)"	Department of Mathematics, Sant Gadge Baba Amravati University, Amravati	25-28 November 2015

07	Presented a research paper in “International Conference on Recent Advances in Mathematics (ICRAM 2014)”.	Department of Mathematics, R.T.M. Nagpur University, Nagpur	20-23 Jan. 2014
08	Attended the “National Conference on Frontiers of Mathematics”	Department of Mathematics, Kamla Neharu Mahavidyalaya, Nagpur	22 March 2013
09	Presented a research paper in “National Conference on Mathematical Sciences (NCMS-2013)”	Department of Mathematics, Shri. Dr.R.G.Rathod Arts & Science College, Murtizapur	18 th , 19 th Jan. 2013
10	Presented a research paper in “International Conference on Mathematical Sciences (ICMS-2012)”	Department of Mathematics, Shri Shivaji Education Society’s Amravati Science College, Congress Nagar, Nagpur	28-31 Dec. 2012
11	Attended “National Level Conference on Developing Frontiers of Physics, Astronomy & Space Sciences (DFPASS-2010)”	Department of Physics & Mathematics, Shri. R.L.T. College of Science, Akola	24, 25 Sept. 2010
12	Attended “National Conference on Recent Trends in Mathematics (NCRTM-2009)”	Department of Mathematics, Govt. Vidarbha Institute of Science and Humanities, Amravati	18, 19 Sept. 2009

Participation in Research Orientation Programs / Seminar / Workshops / Symposium : 22

Sr. No.	Workshop / Seminar / Symposium	Place	Date
01	Delivered Guest Lecture in Taluka Level Science Exhibition on Research.	Sharda Vidyaniketan at Malkapur (Akola)	10 Sept. 2022
02	Delivered Guest Lecture in University Level Workshop On Research in Mathematics.	Department of Mathematics, Sant Gadge Baba Amravati University, Amravati	6 August 2022
03	Participated in an Online National Level Awareness Program on “Fundamental Research”.	Indira Gandhi Kala Mahavidhyalaya, Ralegaon	28 May 2021 to 04 June 2021
04	Participated in a “State level workshop on soft skills training for Mathematical sciences”.	Department of Mathematics, Sant Gadge Baba Amravati University, Amravati	15-16 March 2019
05	Participated in a “State level seminar on my health, my responsibility : Complementary to medicine & health care” .	Shri R.L.T. College of Science, Akola	28 Feb. 2019
06	Delivered Invited talk in “Refresher Course” on Disaster Management.	UGC – HRDC , Sant Gadge Baba Amravati University, Amravati	14 Dec. 2018.
07	Participated in One day National level seminar cum Workshop on Art of Perfume & Soap Making (skill development & self employment) .	Shri R.L.T. College of Science, Akola	08 Sept. 2018
08	Worked as a “Subject Expert” in P G University level Seminar Competition on “Analysis”	Shri Shivaji College of Arts , Sci. & Com., Akola	10 March 2018
09	Worked as a “Subject Expert” in U G University level Seminar Competition on “Differential Equation” .	Vidya Bharati College Amravati	10 Feb. 2018
10	Worked as a “Subject Expert” in U G University level Seminar Competition on “Advanced Calculus”.	Mahatma Fule Arts, Com. & Sci. College, Warud	23 Sept. 2017
11	Delivered a talk in “National Level Workshop on General Relativity & Cosmology”.	Department of Mathematics, Kalyan P. G. College, Bhilainagar, Chhattisgarh	08-09 Feb. 2016
12	Participated in “University Level Workshop on Mathematics Syllabi”.	Department of Mathematics, RDIK & KD College Badnera (Rly)	15 March 2015

13	Participated & worked as a subject expert in “University P. G. Level Seminar Competition” on the subject “Measure & Integration Theory”.	Department of Mathematics, RDIK & KD College Badnera (Rly)	14 March 2015
14	Participated in the “University Level Research Oriented Workshop on Mathematics”.	Shri Dnyaneshwar Maskuji Burungale Science & Arts College, Shegaon and Department of Mathematics S.G.B.A.U. Amravati	10,11 Jan. 2015
15	Participated in the “Seminar Competition” on the subject “Algebra” .	Mungasaji Maharaj Mahavidyalaya, Darwha and Department of Mathematics S.G.B.A.U. Amravati	16 Feb. 2014
16	Participated in the “Special Training Programme for Academic Counselors through teleconference”.	IGNOU Nagpur Regional Centre	19 Oct. 2013
17	Worked as a subject expert in “University Level Seminar Competition” for Post Graduate students on the subject “Complex Analysis”.	Shri. R.L.T. College of Science, Akola	9 March 2013
18	Participated in the “University Level Research Oriented Workshop for Mathematics Teachers & Research Students on Theory of Relativity”.	Department of Mathematics S.G.B.A.U. Amravati	09,10 Feb. 2013
19	Participated in the “Symposium on Number Theory and Related Topics”.	Shantaram Janorkar Foundation of Mathematics, Mahan	15, 16 Jan. 2013
20	Participated in the “University Level Research Oriented Workshop”.	Department of Mathematics S.G.B.A.U. Amravati	08 Sept. 2012
21	Participated in the “Capacity Building Initiative Teacher’s Training Program”.	S.G.B.A.U. Amravati & G.H. Rasoni Academy for Human Excellence an ISO 9001: 2008 Certified Training Academy	14, 15 July 2012
22	Participated in the “U.G.C. Sponsored State Level Seminar on Expanding Wings of Mathematics in the Field of Science & Social Sciences”.	Department of Mathematics, Shri. R.L.T. College of Science, Akola	4, Jan. 2010

Orientation / Refresher Course Completed : 03

Sr. No.	Name of the Course	Place	Duration	Sponsoring Agency
1	143 rd Orientation Course for Programme Officer of NSS”	Empanelled Training Institute, Ahmednagar College, Ahmednagar	24-08-2019 to 30-08-2019	GOI , Ministry of Youth Affairs & Sports, New Delhi
2	46 th Orientation Programme Course	UGC-HRDC, S. G. B. Amravati University, Amravati	11-09-2019 to 01-10-2019	UGC – HRDC, Delhi
3	Refresher Course in Basic Sciences	UGC-HRDC, S. G. B. Amravati University, Amravati	21-12-2020 to 02-01-2021	UGC – HRDC, Delhi

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