

Research Publication

Research Papers publication:

Sr. No.	Title of papers	Name of Author	Journal	ISSN / ISBN No.	National International with impact factor. If any
1	(n + 2) Dimensional Kaluza-Klein String Cosmological Model in Brans-Dicke Theory of Gravitation	H. R. Ghate, Atish S. Sontakke, Sanjay A. Salve	International Journal of Phys. & Math. Sciences, Vol. 4(1), pp. 202-208, 2014	ISSN: 2277-2111	--
2	Kaluza-Klein Dust Filled Universe with Time Dependent Λ in Creation Field Cosmology	H. R. Ghate, Sanjay A. Salve	Research Journal of Recent Sciences Vol. 3 (ISC-2013), pp. 53-57, 2014.	ISSN: 2277-2502	--
3	N- Dimensional Kaluza-Klein Dust Filled Universe with Time Dependent Λ in Creation Field Cosmology	H. R. Ghate, Atish S. Sontakke, Sanjay A. Salve	Mathematical Sci. Int. Res. Jour Vol. 3, Issue 1, pp. 34-38, 2014	ISSN: 2278-8697	--
4	LRS Bianchi Type-V Dust Filled Universe with Varying $\Lambda(t)$ in Creation Field Theory of Gravitation	H. R. Ghate, Sanjay A. Salve	Prespacetime Journal Vol. 5, Issue 3, pp. 198-206, 2014	ISSN: 2153-8301	--
5	LRS Bianchi Type-V Cosmological Model For Barotropic Fluid Distribution With Varying $\Lambda(t)$ In Creation Field Theory Of Gravitation	H. R. Ghate, Sanjay A. Salve	International Journal of Scientific & Engineering Research Vol. 5, Issue 6, pp. 254-259, 2014	ISSN: 2229-5518	3.2
6	Bianchi Type-VI Dust Filled Universe with Varying $\Lambda(t)$ in Hoyle-Narlikar's Creation Field Theory of Gravitation	H. R. Ghate, Sanjay A. Salve	Proc. ICMS-2014, Elsevier Pub. pp. 243-246, 2014	ISBN: 978-93-5107-261-4	--
7	Bianchi Type-IX Dust Filled Universe with Time Dependent $\Lambda(t)$ in Hoyle-Narlikar's Creation Field Theory of Gravitation	H. R. Ghate, Atish S. Sontake, Sanjay A. Salve , Arvind S. Patil	Bull. Cal. Math. Soc., 107, (1), pp. 79-88, 2015	ISSN: 0008-0659	--

8	Some Dust Cosmological Model with Time Dependent $\Lambda(t)$ in Creation Field Cosmology	H.R. Ghate, Sanjay A. Salve	Global J. Sci. Frontier Res.: A Phys. And Space Sci. Vol. 15, Issue 1, Ver.1, pp. 21-31, 2015	ISSN 2249-4626	--
9	N-Dimensional FRW Dust Filled Universe with Time Dependent $\Lambda(t)$ in Creation Field Theory of Gravitation	H. R. Ghate, Atish S. Sontakke, Sanjay A. Salve	Indian Research Transaction Vol. 5, No.2 , pp. 7-11, Apr-June 2015	ISSN: 2250-0804	--
10	Bianchi Type-III Domain Walls with Variable deceleration Parameter in Creation Field Cosmology	H.R. Ghate, Sanjay A. Salve	Int. J. Sci. Ino. Mathe. Res., (IJSIMR), Vol. 3, Special Issue 2, pp. 501-508, July 2015	ISSN: 2347-307X	--
11	Bianchi type-V Bulk Viscous String with Time Dependent Deceleration Parameter in Creation Field Theory of Gravitation	H. R. Ghate, Sanjay A. Salve	Proc. NCRTMS-2015, pp. 130-138, September 2015	ISBN: 978-81-925005-4-6	--
12	LRS Bianchi type-V Cosmological model for Barotropic Fluid distribution with Bulk Viscosity and Decaying Vacuum Energy $\Lambda(t)$ in Creation Field Theory of Gravitation	H.R. Ghate, Sanjay A. Salve	Prespacetime Journal Vol. 5, No. 8, pp.1150-1164, 2016	ISSN: 2153-8301	--
13	LRS Bianchi Type I Cosmological Model in Creation Field Theory of Gravitation with a Special Form of Deceleration Parameter	Arvind S. Patil, Anil M. Metkar, Sanjay A. Salve	Interlink Research Analysis, Issue XVII, Vol. II, pp. 33-43, July-Dec, 2017	ISSN: 0976-0377	4.55
14	Bianchi type-V Minimally Interacting Holographic Dark Energy Cosmological Model with Special form of Deceleration Parameter in $f(R,T)$ Gravity	Arvind S. Patil, Anil M. Metkar, Sanjay A. Salve	Interlink Research Analysis, Issue XVII, Vol. II, pp. 23-32, Jan-June, 2018	ISSN: 0976-0377	4.95
15	Kantowski-Sach Bouncing Cosmological Model with Viscous Fluid	H. R. Ghate, A.S. Sontake, Y. D. Patil, A. S. Patil, Sanjay A. Salve	Aayushi Int. Interdisciplinary. Res. Jour., Spl. Issue 25, pp. 30-37, 2018	ISSN: 2349-638x	--

16	Bianchi Type-III Interacting Holographic Polytropic Gas Model of Dark Energy with Hybrid Expansion Law in General Relativity	Arvind S. Patil, Sanjay A. Salve	Universal Research Analysis, Issue XVII, Vol. III, pp. 22-32, Sept.-Feb., 2019	ISSN: 2229-4406	3.00
17	Bianchi Type I Cosmological Model with Linearly Varying Decelerator Parameter and Varying Cosmological Constant in C-field Cosmology	H. R. Ghate, A. S. Patil, Sanjay A. Salve	Aayushi International Interdisciplinary Research Journal, Spl. Issue 66, pp. 128-132, 2020	ISSN: 2349-638x	--
18	N- Dimensional FRW Barotropic Fluid Cosmological Model with Time Dependent $\Lambda(t)$ in Creation Field Cosmology	Vilas B. Raut, Sanjay A. Salve	Jour. Emer. Tech. & Inno. Res. (JETIR) Vol. 9, Issue 5, pp. 57-62, May 2022	ISSN: 2349- 5162	7.95

RESEARCH PROJECTS SUBMITTED:

Sr. No.	Title	Agency	Period	Grant Sanctioned	Funding Agency
1	Study of Cosmological Models in Creation Field Theory of Gravitation	UGC	2 Years	120,000/-	UGC

PATENT FILED / GRANTED:

Sr. No.	Title of Patent	Application No.	Date of Filing Patent	Name of Agency	Status
1	Design and Analyze of Website Effectiveness Using Graph Theory	202241051826	11.09.2022	Indian Patent	Published