

List of Research Publications in Web of Science

S. No.	Title of the Research Paper	Name of the Journal	Vol. , PP No. & Year	Impact Factor as per Thomson Reuters list	Type of Authorship	UGC List
1.	A Probe of Cosmological Models in Modified Teleparallel Gravity	<i>International Journal of Geometric Methods in Modern Physics</i>	Vol. 18 No. 13, 2150208 (2021)	1.874	Corresponding Author	Web of Science
2.	A flat FRW model with dynamical as function of matter and geometry	<i>New Astronomy</i>	Vol. 89, 101637 (2021)	1.325	Corresponding Author	Web of Science
3.	Dark Energy Nature of Viscous Universe in f(Q)-gravity with Observational Constraints	<i>International Journal of Geometric Methods in Modern Physics</i>	Vol. 18, No. 08, 2150124 (2021)	1.874	Corresponding Author	Web of Science
4.	Transit Cosmological Models in Modified f(Q,T) Gravity	<i>International Journal of Geometric Methods in Modern Physics</i>	Vol. 18, No. 04, 2150051 (2021)	1.874	Co-Author	Web of Science
5.	Transit cosmological models coupled with zero-mass scalar-field with high redshift in higher derivative theory	<i>New Astronomy</i>	Vol. 87, 101587 (2021)	1.325	Corresponding Author	Web of Science
6.	Reply to “Comment on ‘Brans-Dicke scalar field cosmological model in Lyra’s geometry’”	<i>Physical Review D</i>	Vol. 102, 108302 (2020)	5.296	First Author and Corresponding Author	Web of Science
7.	Transit Cosmological Model with Specific Hubble Parameter in F(R,T) Gravity	<i>New Astronomy</i>	Vol. 77, 101355 (2020)	1.325	First Author and Corresponding Author	Web of Science
8.	Domain walls and quark matter in Bianchi type-V universe with observational constraints in F(R,T) gravity	<i>International Journal of Geometric Methods in Modern Physics</i>	Vol. 17, 2050014 (2020)	1.874	First Author	Web of Science

9.	Modified f(R,T) Cosmology with Observational Constraints in Lyra's Geometry	<i>International Journal of Geometric Methods in Modern Physics</i>	Vol. 17, 2050001 (2020)	1.874	First Author and Corresponding Author	Web of Science
10.	Brans-Dicke scalar field cosmological model in Lyra's geometry	<i>Physical Review D</i>	Vol. 100, 023503 (2019).	5.296	First Author and Corresponding Author	Web of Science
11.	Transit Two-Fluid Models in Anisotropic Bianchi Type-III Space-time	<i>New Astronomy</i>	Vol. 72, 83-91 (2019)	1.325	Corresponding Author	Web of Science
12.	Brans-Dicke scalar field cosmological model in Lyra's geometry with time- dependent deceleration parameter	<i>International Journal of Geometric Methods in Modern Physics</i>	Vol. 15, 1850186 (2018)	1.874	Corresponding Author	Web of Science
13.	Transit dark energy string cosmological models with perfect fluid in F(R,T)-gravity	<i>International Journal of Geometric Methods in Modern Physics</i>	Vol. 15, 1850168 (2018)	1.874	Co-Author	Web of Science
14.	Anisotropic Dark Energy Transit Cosmological Models with Time Dependent $\omega(t)$ and Redshift Dependent $\omega(z)$ EoS Parameter	<i>International Journal of Geometric Methods in Modern Physics</i>	Vol. 15, No. 2 1850019 (2018)	1.874	First Author and Corresponding Author	Web of Science

List of Research Publications (Web of Science)

Since 2018:

1. **D. C. Maurya**, “Anisotropic Dark Energy Transit Cosmological Models with Time Dependent $\omega(t)$ and Redshift Dependent $\omega(z)$ EoS Parameter”, *Int. J. Geom. Meth. Mod. Phys. (IJGMMP)*, Vol. 15, No. 2 (2018), 1850019 (23 pages). DOI: 10.1142/S0219887818500196. (SCI, World Scientific Pub.).
2. R. Zia, **D. C. Maurya**, A. Pradhan, “Transit dark energy string cosmological models with perfect fluid in F(R,T)-gravity”, *Int. J. Geom. Meth. Mod. Phys. (IJGMMP)*, Vol. 15 (2018) 1850168 (27 pages). DOI: 10.1142/S0219887818501682. (SCI, World Scientific Pub.).
3. R. Zia, **D. C. Maurya**, “Brans-Dicke scalar field cosmological model in Lyra’s geometry with time- dependent deceleration parameter”, *Int. J. Geom. Meth. Mod. Phys. (IJGMMP)*, Vol. 15 (2018) 1850186 (19 pages). DOI: 10.1142/S0219887818501864. (SCI, World Scientific Pub.).

Since 2019:

4. R. Zia, U. K. Sharma, **D. C. Maurya**, “Transit Two-Fluid Models in Anisotropic Bianchi Type-III Space-time”, *New Astronomy*, Vol. 72 (2019) 83-91. doi.org/10.1016/j.newast.2019.04.003. (SCI, Elsevier Pub.).
5. **D. C. Maurya**, R. Zia “Brans-Dicke scalar field cosmological model in Lyra’s geometry”, *Physical Review D*, Vol. 100, 023503 (2019). DOI :10.1103/PhysRevD.100.023503. (SCI, APS Pub.).

Since 2020:

6. **D. C. Maurya**, “Modified f(R,T) Cosmology with Observational Constraints in Lyra’s Geometry”, *Int. J. Geom. Meth. Mod. Phys. (IJGMMP)*, Vol. 17 (2020) 2050001 (23 pages) DOI: 10.1142/S0219887820500012. (SCI, World Scientific Pub.).
7. **D. C. Maurya**, A. Pradhan, A. Dixit, “Domain walls and quark matter in Bianchi type-V universe with observational constraints in F(R,T) gravity” *Int. J. Geom. Meth. Mod. Phys. (IJGMMP)*, Vol. 17 (2020) 2050014 (21 pages). DOI: 10.1142/S0219887820500140. (SCI, World Scientific Pub.).
8. **D. C. Maurya**, “Transit Cosmological Model with Specific Hubble Parameter in F(R,T) Gravity”, *New Astronomy*, Vol. 77 (2020) 101355. DOI: 10.1016/j.newast.2020.101355 (SCI, Elsevier Pub.).

9. **D. C. Maurya**, R. Zia, Reply to “Comment on ‘Brans-Dicke scalar field cosmological model in Lyra’s geometry’” *Physical Review D*, Vol. 102 (2020) 108302.

Since 2021

10. A. Dixit, **D. C. Maurya**, A. Pradhan, Transit cosmological models coupled with zero-mass scalar-field with high redshift in higher derivative theory, *New Astronomy*, Vol. 87 (2021) 101587. DOI: 10.1016/j.newast.2021.101587 (SCI, Elsevier Pub.).
11. Rashid Zia, **D. C. Maurya**, Anil Kumar Shukla, Transit Cosmological Models in Modified $f(Q,T)$ Gravity, *International Journal of Geometric Methods in Modern Physics*, Vol. 18, No. 04, 2150051 (2021) DOI: 10.1142/S0219887821500511. (SCI, World Scientific Pub.).
12. A. Pradhan, **D. C. Maurya**, A. Dixit, Dark Energy Nature of Viscous Universe in $f(Q)$ -gravity with Observational Constraints, *International Journal of Geometric Methods in Modern Physics*, Vol. 18, No. 08, 2150124 (2021) DOI:10.1142/S0219887821501243. (SCI, World Scientific Pub.).
13. A. Pradhan, De Avik, Tee How Loo, **D. C. Maurya**, A flat FRW model with dynamical w as function of matter and geometry, *New Astronomy*, Vol. 89 (2021) 101637. DOI:10.1016/j.newast.2021.101637. (SCI, Elsevier Pub.).
14. . Dixit, A. Pradhan, **D. C. Maurya**, A Probe of Cosmological Models in Modified Teleparallel Gravity, *International Journal of Geometric Methods in Modern Physics*, Vol. 18 No. 13, 2150208 (2021). DOI:10.1142/S021988782150208X. (SCI, World Scientific Pub.).