

CURRICULAM –VITAE

Name: **Dr. Sudha Agrawal**

Educational Qualification: M.Sc. Ph.D.
(Mathematics)

Post: Associate Professor and Head,
Department of Mathematics, AKS
University, Satna(M.P.), India



Email: sudha_e1033@aksuniversity.com

WORK EXPERIENCE:

- 17 years of teaching to Graduate and Post-graduate classes.
- No. of Students Submitted Ph.D.Thesis - 01
- Ph. D. Students Under Guidance – 02
- No. of PG Students guided - 11
- No. of UG Students guided - 06
- Number of International/National research papers published – 05(List attached)

1. Tiwari R. K., Shukla, B., Beesham, A. Agrawal, S. Universe in $f(R, G)$ gravity with special form of q ; International journal of Geometrical Methods in Modern Physics, volume 21, 3, 2024 (ISSN: 0219-8878)

2. Sen, Ghanshyam; Agrawal, Sudha (2024). Study of Anisotropic Cosmological Model in a Modified $f(R, T)$ Theory of Gravity. Propulsion Technology, 45, 3.

3. Sen, Ghanshyam; Agrawal, Sudha (2022). Study of Anisotropic Cosmological Models Bianchi type-I in $f(R, T)$ Theory of Gravity. Neuro Quantology, Phy. 20, 6.

4. Sen, Ghanshyam; Agrawal, Sudha (2022). LRS Bianchi Type-II Dark Energy Model In $f(R, T)$ Theory of Gravity. Pharmaceutical Negative Results, 13, 07.

- 5. Agrawal, S., Prespace time journal, “Accelerating Universe Model with Varying Cosmological Term” Vol. 8, 9 (2017)

Workshops /Seminars/Conference

- Presented paper in the International Conference on “Gravitation, Cosmology And Mathematical physics”, Entitled “LRS Bianchi Type II Cosmological Model in $f(R,T)$ Theory of Gravity” held on 04-07 April 2019 at GLA University, Mathura, organized by Deptt. of Mathematics and Physics in collaboration with Tensor society, India
- Presented paper in the International Conference on “ Recent trends in Mathematical Science & Cosmology”, Entitled “LRS Bianchi Type II Universe With Stiff Fluid & Varying Cosmological Term” held on 17-18 Dec. 2016 at Govt.Model Science College, Rewa(M.P.)
- Presented paper in the Regional level Program in “Isotropic And Anisotropic Cosmological Models In General Relativity” held on 8th April, 2012, at Aditya college of Technology and Science, Satna(M.P.)
- Participated in National workshop with Symposium on “ Application of Differential equation to real word problem” held on 26-28 Feb. 2012 at Govt. Indira Gandhi Home Science Girls College, Shahdol (M.P.)
- Participated in National Seminar on “Cosmic Ray Modulation in Inner Heliosphere” held on 9-10 feb. 2013 at Govt. Model Science College, Rewa (M.P.)
- Participated in National Seminar on “ Solar Plasma Process and Cosmic Ray Modulation” held on 8 – 9 Feb. 2014 at Govt. New Science College, Rewa (M.P.)
- Participated in Two days Workshop on “ Foundation of Mathematics” held on 22-23 Dec. 2016, at National Academy of Science, Allahabad (U.P.)
- Presented paper in the International Conference as Invited talk on “Mathematical sciences, Physical Sciences and their application” , 13-14 November. 2024, Rewa(M.P.)

(Sudha Agrawal)