

SADAF BUTT

Designation Associate Professor (Mathematics)
Department Department of Mathematics
Organization: Kinnaird College for women, Lahore.
Father's Name Maqsood Jamal Dar
Nationality Pakistani

EDUCATIONAL QUALIFICATION

Sr. No.	Institution attended	Year attended		Examination	Year of passing	Division	Subjects
		From	To				
1	Islamia Girls High School ,Lahore	1990	1992	Matriculation	1992	1 st	Science
2	Lahore College for women, Lahore.	1992	1994	F. Sc.	1994	1 st	Pre-Engineering
3	Lahore College for women, Lahore.	1994	1996	B. Sc.	1996	1 st	Math A-B, statistics
4	University of the Punjab, Lahore	1997	1999	M. Sc.	1999	1 st	*Mathematics
5	Lahore Leads University	2014	2016	M. Phil	2016	1 st	Applied Mathematics
6	COMSATS University, Lahore campus	2017	2022	PhD	2022	1 st	Applied Mathematics

Thesis title

Analysis of Cosmic Expansion Through some Effective Approaches

Research interest

Cosmology and General Relativity

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Publications

1. Paper titled “Analyzing inflationary parameters and swampland conjectures of modified cosmology according to various entropies” by Dr. Abdul Jawad and Sadaf Maqsood in the “Physics of Dark Universe ” in 2024.
2. Paper titled "Swampland criteria in Chaplygin-braneworld warm inflation scenario" by Sadaf Maqsood and Dr. Abdul Jawad was published in the “ **Mod. Phys. Lett. A** ” in 2022.
3. Paper titled " Dynamic Stability of Λ -Varying Non-Zero Torsion Cosmology" by Sadaf Maqsood and Dr. Abdul Jawad was published in the “ **Astroparticle Physics** ” in 2022.
4. Paper titled “Dynamical analysis of interacting running vacuum models in DGP braneworld” by Dr. Abdul Jawad and Sadaf Maqsood was published in the “Physics of Dark Universe ” in 2021.
5. Paper titled “Particle creation inspired warm inflation according to Planck 2018.” by Sadaf Maqsood and Dr. Abdul Jawad was published in the “Physics of Dark Universe ” in 2021.
6. Paper titled “Gravitationally induced particle creation in cubic gravit.” by Dr.Abdul Jawad and Sadaf Maqsood, was published in the “International Journal of Geometric Methods in Modern Physics.” in 2021.
7. Paper titled “Thermodynamics of Squared Speed of Sound Parameterizations.” by Dr.Abdul Jawad and Sadaf Butt, was published in the “International Journal of Geometric Methods in Modern Physics.” in 2020 .
8. Paper titled “Cosmological Aspects of Sound Speed Parameterizations in Fractal Universe” by Dr.Abdul Jawad and Sadaf Butt, was published in the “The European Physical Journal C (Particles and Fields¹).” in 2019.
9. Paper titled “Chaplygin gas inspired scalar fields inflation via well known potential.” by Dr.Abdul Jawad and Sadaf Butt, was published in the “Astrophysics and space science.” in 2016.

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10. Paper titled “Dynamic of warm chaplygin gas inflatory model with Quatic potential” by Dr.Abdul Jawad, and Sadaf Butt was published in the “European physical journal C.” in 2016.

Computer Skills

I have good command in following Mathematics softwares

- Mathematica
- MATLAB
- WinEdt

EMPLOYMENT RECORD

Post held	Employer	From	To
Associate Professor	Kinnaird College For Women, Jail road, Lahore	December 2024	to date
Assistant Professor	Kinnaird College For Women, Jail road, Lahore	July 2013	November 2024
Lecturer	Kinnaird College For Women, Jail road, Lahore	November 2002	June 2013