Curriculum Vitae

Name	DALIA SAHA
Designation	ASSISTANT PROFESSOR
Department	PHYSICS
Institution	JANGIPUR COLLEGE, Murshidabad, West Bengal.
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Academic Qualification

Examination	College/University	Year of Passing
B.sc	Krishnath College, University of Kalyani.	2004
M.Sc	University of Kalyani	2006
B.Ed.	University of Kalyani	2012

Teaching Experience

Organization / Institution	Designation	Duration
Jorpatki High School, Mathabhanga Coochbehar.	Assistant Teacher	2006-2010
Lalgola M.N Academy, Murshidabad.	Assistant Teacher	2010-2017
Jangipur College, Jangipur, Murshidabad.	Assistant Professor	2017- till now.

Area of Specialization: Electronics, General Theory of Relativity, Cosmology

Publications (*Top Ten*):

1. Inflation with Scalar -Tensor theory of gravity, D. Saha, S. Sanyal, A. K. Sanyal [Symmetry, 12(8) 1267, 2020]. https://www.scopus.com/sourceid/21100201542
2. Early Universe in view of a modified theory of gravity, R. Mandal, Dalia Saha, M. Alam, A. k. Sanyal [Class. & Quan. Grav., 38(2) 025001, 2020]. https://www.scopus.com/sourceid/27433
3. Probing early universe with a generalized action, R. Mandal, Dalia Saha, M. Alam, A. k. Sanyal,[Annal. of Phys., 422,168317, 2020]. https://www.scopus.com/sourceid/27002
4. Conflict between some higher-order curvature invariant terms, Dalia Saha, M. Alam, A. k. Sanyal [Nucl. Phys. B, 973, 115570, 2021]. https://www.scopus.com/sourceid/29086

5. Perusing Buchbinder–Lyakhovich Canonical Formalism for Higher-Order Theories of gravity, Dalia Saha, A. k. Sanyal [Universe, 9(1) 48 2023].
   https://www.scopus.com/sourceid/21100903488
6. Inflation and cosmological evolution with F(R, G) gravity theory, Dalia Saha, Jyoti Prasad Saha, A. k. Sanyal, [Int. J. Geo. Met. Mod. Phys., Vol. 20. 12(2023) 2350213].
   https://www.scopus.com/sourceid/4700152702
7. Reconstruction from Modified and alternative theories of gravity, Dalia Saha, Manas, Chakrobartty, A. k. Sanyal, [Universe, 10(1) 44, 2024].
8. Probing symmetric teleparallel gravity in the early universe, A. De, Dalia Saha, G. Subramanium, A.K. Sanyal, [MPLA, 2450071, 2024].
9. Inflation – a comparative study among different modified theory of gravity [arxiv: 2201.02473,2022]

Paper Presented/FDP's (*Top Ten*):

1. 2nd National Physics Meet-2023 , University of Kalyani.
2. International conference on Recent Trends in physics & Allied sciences-2023, Organized by B.B College, Asansol, West Bengal.
3. 3rd National Physics Meet-2024 , University of Kalyani.

Other details(if any):