Name	Dr. Hassan Shah	
Designation	Assistant Professor	
Department	Mathematical Sciences	
Faculty	Basic Sciences	
E-mail address	Official	Hassan.shah@buitms.edu.pk
	Personal	Hassanshah13@yahoo.com
Telephone Number	Office Extension	
	Mobile	+923018066620

Qualification

Year	Degree/Certificate	Name of the Institute/ University	Field of study
2019	PhD	University of Peshawar, Peshawar	Mathematics
2014	MS/ Mphil	COMSATS University Islamabad, Abbottabad Campus	Mathematics
2011	Graduation	University of Malakand, Chakdara	Mathematics

Publications in HEC Recognized journals

S. No	Title of Paper	Name of Journal	National/ International	Publication date
1	Thermodynamical study of black hole with cloud of strings and quintessence in the 4D Einstein–Gauss–Bonnet context	International Journal of Modern Physics A	International	10-08-2023
2	Study of gravastars in 4D Einstein-Gauss-Bonnet gravity	Physica Scripta	International	28-07-2023
3	Collapsing solutions in 4D Einstein–Gauss–Bonnet gravity	International Journal of Geometric Methods in Modern Physics	International	06-01-2023
4	Fractals flow simulation for groundwater flow with varying apertures by using analytic element method	Fractal and fractional	International	09-10-2022
5	Gravitational collapse of dissipative fluid in f(R,G) gravity	International Journal of Modern Physics A	International	28-09-2022
6	Higher dimensional collapsing and expanding models of anisotropic source	Results in Physics	International	26-08-2021
7	Quintessence background for 4DEinstein-Gauss-Bonnet black holes	Physics Letters B	International	24-05-2021

8	The curvature effect on the gravitational collapse of interacting and on interacting combination of dark matter and dark energy	International Journal of Modern Physics A	International	03-06-2020
9	Collapsing of Charged Cylindrical Symmetric Source in f(R, G) Gravity with Heat Flux	International Journal of Geometric Methods in Modern Physics	International	28-01-2020
10	Collapsing solutions in higher dimensional spacetime	International Journal of Modern Physics D	International	14-05-2019
11	Spherical Gravitational Collapse in f(R) Gravity with Linear Equation of State	Communication in Theoretical Physics	International	01-08-2018
12	Higher Dimensional Shear-free radiating collapse	Canadian Journal of Physics	International	04-10-2018
13	Final fate of charged anisotropic fluid collapse	Modern Physics Letters A	International	30-10-2017
14	Five-dimensional spherical gravitational collapse of anisotropic fluid with cosmological constant	International Journal of Geometric Methods in Modern Physics	International	08-11-2016
15	Some-analytic Models of plane symmetric radiating collapse	Canadian Journal of Physics	International	15-10-2016
16	Collapsing plane symmetric source with heat flux and conformal flatness	International Journal of Astrophysics and Space Science	International	13-05-2015

Paper Presented

S. No	Title of Paper	Name of Conference	National/ International	Date

Books Authored/ Edited

S. No	Name of book	Publisher	ISBN

Work Experience

S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held

1	2021	Date	BUITEMS	Assistant Professor
2	2020	2021	University of Swat, Swat, KPK	Visiting Assistant Professor

Area of specialization	General Relativity
Research Interest	Gravitational Collapse, Spacetime Singularities, Black Hole Thermodynamics, Gravitational Waves
Future Research Plans	
HEC Approved supervisor	Yes
If Yes, provide HEC URL	https://www.hec.gov.pk/english/scholarshipsgrants/ASA/Pages/APS-EPORTAL.aspx
Research grants/ Projects	
Additional Information	