



Curriculum vitae

Personal Information

FIRST NAME / SURNAME Bhaswati Mandal
ADDRESS 226, Brij West, Kolkata-700084.
MOB (+91) 9433801009
EMAIL bhaswatimandaliitm92@gmail.com

NATIONALITY Indian
DATE OF BIRTH 30.10.1992
GENDER Female

DESIRED POSITION Assistant Professor, Research cum
Teaching Assistant

Work Experience

DATES Dec 2016-present
POSITION Senior Research Fellow
RESPONSIBILITIES -Research work
-Teaching Assistant

EMPLOYER / ADDRESS Indian Association for the Cultivation of Science,
Kolkata

PUBLICATION LIST

- Quasar continuum spectrum disfavors black holes with a magnetic monopole charge (Bhaswati Mandal, Indrani Banerjee, Soumitra Sengupta, Vijay Shersingh Chawan and Siddharth Kumar Sahoo), <https://arxiv.org/abs/2112.05385>
- Signatures of Einstein-Maxwell dilaton-axion gravity from the observed jet power and the radiative efficiency, *Phys. Rev. D* **103**, 044046 (2021).
- Implications of Einstein-Maxwell dilaton-axion gravity from the black hole continuum spectrum, *10.1093/mnras/staa3232*(2020).
- Does black hole continuum spectrum signal $f(R)$ gravity in higher dimensions?, *Phys. Rev. D* **101**, 024013 (2020).
- In quest of axionic hairs in quasars, *10.1088/1475-7516/2018/03/039*(JCAP 2018).



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Education and Training

DATES	2016-2022
QUALIFICATION AWARDED	PhD (Thesis Title: Studies in Modified Gravity Theories in Astrophysical Scenario)
PRINCIPAL STUDIES	Physics
INSTITUTION	Indian Association for the Cultivation of Science
	2014-2016
	Master of Science(M.Sc)
	Physics
	IIT Madras
	2011-2014
	Bachelor of Science(B.Sc)
	Physics(Hons.), Mathematics and Computer Science
	St. Xavier's College, Kolkata

Skills and Competences

LANGUAGE SPOKEN	
OTHER LANGUAGE(S)	ENGLISH, BENGALI HINDI
COMPUTER SKILLS AND COMPETENCES	Windows, Linux/Ubuntu and MAC based OS
LANGUAGES AND TOOLS	C, Mathematica, Fortran, Matlab
OTHER ACHIEVEMENTS	-INSPIRE Fellowship 2011 -Qualified in Graduate Aptitude Test in Engineering (GATE) 2016 -Qualified in Joint UGC-CSIR Test for Junior Research Fellowship and Eligibility for Lectureship (NET) 2015 -Qualified in Joint Admission Test for MSc. (JAM) 2014

