

Sumita Banerjee:



Address of Communication: Vill:- Hatgacha, P.O.:- Banipur, Dist:- Howrah
711304, West Bengal, India

Contact Number : 7980363893

E-Mail : banerjee.sumita.jumath@gmail.com

Date of Birth : 26th July, 1982

Gender : Female

Religion : Hindu

Nationality : Indian

Marital Status : Single

Language Proficiency : Bengali, English, Hindi

Academic Details:

Degree	Board/University	Year of Passing	Discipline	% obtained
Ph.D.	Jadavpur University	2018	Astrophysics	NA
M.Sc.	Jadavpur University	2007	Applied Mathematics	62.5
B.Sc.	Jadavpur University	2004	Mathematics (Hons.)	65
12 th Std	W.B.C.H.S.E.	2000	Science	77.9
10 th Std	W.B.B.S.E.	1998	General	86.25

Computer Language : C and Mapple

Title of the Thesis: Modelling of Stars and Wormholes in different Dimensions

Publications:

1. Research paper:

i) “Singularity free stars in (2+1) dimensions”

Farook Rahaman, Ayan Banerjee, Irina Radinschi, **Sumita Banerjee**, Soumendranath Ruz.

Published in **Int.J.Theor.Phys. 52 (2013) 932-945**

ii) “Stability of Non-asymptotically flat thin-shell wormholes in generalized dilaton-axion gravity”

Ayan Banerjee, Farook Rahaman, Surajit Chattopadhyay, **Sumita Banerjee**

Published in **Int.J.Theor.Phys.52 (2013) 3188-3198**

iii) “A Charged anisotropic well-behaved Adler-Finch-Skea solution satisfying Karmarkar condition”

Piyali Bhar, Ksh. Newton Singh, Farook Rahaman, Neeraj Pant, **Sumita Banerjee**

Published in **Int.J.Mod.Phys.D 26(2017) no.08, 1750078**

iv) “Anisotropic stellar models admitting conformal motion”

Ayan Banerjee, **Sumita Banerjee**, Sudan Hansraj, Ali Ovgun.

Published in **Eur.Phys.J.Plus 132 (2017)no.4, 150**

v) “Strange quark star in Tolman IV background”

Sumita Banerjee

Published in **Pramana- J. Phys. (2018) 91:27**

vi) Mathematical Model of Relativistic Anisotropic Compact Stellar Model admitting Linear Equation of State

Sumita Banerjee

Published in **Commun. Theor. Phys. 70 (2018) 585–592**

vii) Wormholes with quadratic equation of state

Farook Rahaman, **Sumita Banerjee**, Safiqul Islam

Published in **Phys.Astron.Int.J. 3 (2019) no.1, 14-17**

viii) Study of gravastars in Finslerian geometry

Sumita Banerjee, Shounak Ghosh, Nupur Paul, Farook Rahaman

Published in **Eur.Phys.J.Plus 135 (2020) 2, 185**

2. Book Publication: “Mathematics for Gate Biotechnology”

Notion press media private limited

ISBN: 978-1-68509-748-6

Work Experience:

- **Associate Professor** in Mathematics in Budge -Budge Institute of Technology from 25.02.2019 to 02.08.2020
- **Lecturer** in Mathematics in Budge -Budge Institute of Technology since 22nd July , 2014 to 14.10.2015
- **Assistant Professor** in Mathematics in Adamas Institute of Technology, Barasat from 6th August 2010 to 3rd May 2014.
- **Lecturer** in Mathematics in Seacom Engineering college from 1st July 2009 to 5th August 2010.

Research Experience: From 15.10.2015 to 06. 12. 2018

Conference Attend:

- International conference on Geometry and its Applications in Jadavpur University dated 16-18 Oct. 2014.
- International conference on mathematical analysis and applications on modeling
Date: 9-12 Jan 2018 : present a paper in JU.

Ongoing Research: My ongoing research is on different models on Astrophysics and cosmology. Some other allied works are also undergoing.

References:

- Subhendu Chakraborti
Retired Associate Scientist, ISI, Kolkata
- Dr. Santanu Bag
Assistant Professor,
Vivekananda college for woman, Behala, Kolkata

Declaration:

All entries made in this resume are true to the best of my knowledge and belief. I am willing to produce original certificates on demand on any stage.

Place: Kolkata

(SUMITA BANERJEE)

Date: