

## GENERAL INFORMATION

1. Name (Block letters) : SOURAV KARAR
2. Current Designation : Assistant Professor
3. Phone No. :+ 91 9832985695
4. E-mail: : sourav.karar91@gmail.com

5. Educational Qualification (Graduation onwards):

DEGREE	YEAR	UNIVERSITY
B.Sc.	2011	University of Kalyani
M.Sc.	2013	IIT Bombay
Ph.D.	2022	University of Calcutta

6. Teaching Experience : 9+ years
7. Field of Specialization : T h e o r e t i c a l P h y s i c s
8. Courses Taught/ Teaching : Mathematical Physics, EM Theory, Thermal Physics, Quantum Mechanics. Wave optics, Classical Dynamics, Nuclear Physics
9. **Conferences/ Seminars/Workshops:**

Sl. No.	Title of the paper presented	Title of Conference/ Seminar	Organized by	Whether International/ National/State/ Regional/College or University level
1.	NA			

10. Publication

### (i) Published Papers in Journals

- Holographic information theoretic quantities for Lifshitz black hole, Sourav Karar and Sunandan Gangopadhyay; Eur. Phys. J. C 80 (2020) 6, 515, arXiv:2002.08272.
- Bulk geometry from entanglement entropy of CFT, Ashis Saha, Sourav Karar and Sunandan Gangopadhyay; Eur. Phys. J. Plus 135 (2020) 2, 132, arXiv:1807.04646.
- Holographic complexity of boosted black brane and Fisher information, Sourav Karar, Rohit Mishra and Sunandan Gangopadhyay; Phys. Rev. D 100 (2019) 2, 026006, arXiv:1904.13090.

4. Holographic complexity of "black" non-susy D3-brane and the high temperature limit, Sourav Karar, Sunandan Gangopadhyay and A.S. Majumdar; Int. J. Mod. Phys. A 34 (2019) 01, 1950003, arXiv:1804.00615.

5. Holographic entanglement thermodynamics for higher dimensional charged black hole, Sourav Karar, Debabrata Ghorai and Sunandan Gangopadhyay; Nucl.Phys.B 938 (2019) 363-387 arXiv:1810.08037.

6. Holographic complexity for Lifshitz system, Sourav Karar and Sunandan Gangopadhyay; Phys.Rev.D 98 (2018) 2, 026029, arXiv:1711.10887.

**(ii) Articles/ Chapters published in Books**

Sl. No.	Title with page no.	Book title, editor & publisher	ISSN/ISBN No. (Or, Renowned publishers) See Cat 1-4 as above for scores	Whether peer reviewed.
1.	NA			

11. Research Guidance (PhD/ Phil, MA Project/ BA Project) : N A

12. Project (UGC/ DST/etc) : NA

13. Consultancy/ Extension work : NA

14. Membership of Academic Institution : NA

15. Awards :NA