

Safir T. K.



Curriculum Vitae

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Education

- 2015–2023 **Ph.D**, Department of Physics, National Institute of Technology Karnataka, India
2011–2013 **B.Ed (Physical Science)**, NSS Training College, Pandalam, Kerala, India
2009–2011 **M.Sc (Physics)**, Govt. College, Kottayam, Kerala, India
2006–2009 **B.Sc (Physics with Computer and Mathematics)**, Sullamussalam Science College, Araecode, India
2004–2006 **Intermediate**, Govt. H. S. S, Vazhakad, Malappuram
2004 **Matriculation**, Govt. H. S. S, Vazhakad, Malappuram

Employment Details

- 2017 -Present **Assistant Professor**, DEPARTMENT OF PHYSICS, TKM College of Arts and Science, Kollam, Kerala, India

Areas of Interests

Black hole thermodynamics, Black hole chemistry, Thermodynamic geometry.

Publications

- [regular] Ruppeiner geometry, P-V criticality and interacting microstructures of black holes in dRGT massive gravity, *T K Safir, CL Ahmed Rizwan and Deepak Vaid. International Journal of Modern Physics A 37, 25, 2250158 (2022).*
- [regular] Dynamic phase transition of black holes in massive gravity, *T K Safir, A Naveena Kumara, Shreyas Punacha, {CL Ahmed Rizwan, C Fairoos, Deepak Vaid , Annals of Physics, 458, (2021), 169480*
- [regular] Physical Process First Law and the Entropy Change of Rindler Horizons, *T K Safir, C Fairoos and Deepak Vaid. Annals of Physics ,Volume 450 , 169237 (2023).*
- [regular] Phase-space Path Integral Approach to the Kinetics of Black Hole Phase Transition in Massive Gravity, *C Fairoos T K Safir, and Deepak Mishra. Annals of Physics.*
- [regular] Thermodynamics of Einstein-Gauss-Bonnet Black Holes and Ensemble-averaged Theory, *Md Sabir Ali C Fairoos C.L. Ahmed Rizwan, T K Safir and Peng Cheng. e-Print: 2411.07147 .*

Personal Information

- Born 18th May 1989 at Vazhakad, Kerala
Citizenship Indian
Marital Status Married