

I received my Ph.D. degree in physics from the Pisa University, Pisa, Italy in 2008. I am the Editor-in-Chief of Journal of High Energy Physics, Gravitation and Cosmology. I am also Editorial Board Member of other five international peer-reviewed journals. In addition, I am Professor of Theoretical Physics and Astrophysics and Director of the Department of Physics of the Scuola Superiore di Studi Universitari e di Ricerca "Santa Rita" in Italy.

My Essay "Interferometric detection of gravitational waves: the definitive test for General Relativity" was an Honorable Mention Winner at the 2009 Gravity Research Foundation Awards.

In my paper "Effective temperature for black holes", published in JHEP08(2011)101, I found an interesting result in the framework of quantum physics of black holes, by introducing a black hole's effective temperature which takes into account the fact that, as shown by Parikh and Wilczek, the radiation spectrum cannot be strictly thermal. The analysis permits to find, for the first time in the literature, a direct connection between the Bekenstein-Hawking entropy, his sub-leading corrections and a quantum number. From this research paper I realized an Essay which received a second honorable mention in the 2012 Essay Competition of the Gravity Research Foundation.

In October 2013 I have been awarded with a Certificate of Honor by the Nagpur University in recognition and grateful appreciation for his research contributions in the fields of black holes and gravitational waves.

In September 2014, at the 12th International Conference of Numerical Analysis and Applied Mathematics, I have been awarded by the European Society of Computational Methods in Sciences, Engineering and Technology with its Highest Distinction of Honorary Fellowship for his outstanding results in Applied Mathematics.

I am author and/or co.author of more that 100 scientific papers published in international peer reviewed specialistic journals in the fields of mathematics, theoretical physics, astrophysics and cosmology.