

### **Personal Information**

**Name:** Shayesteh  
**Surname:** Ghaffari  
**Birth Date:** 11August 1980  
**Nationality:** Iranian  
**E-mail:** Sh.ghaffari@riaam.ac.ir; ghaffarishayesteh@gmail.com

### **Current Academic Job Title:**

Assistant Professor,  
Research Institute for Astronomy and Astrophysics of Maragha (RIAAM), Iran

### **Education:**

**2011-2015:** Ph.D. in Cosmology and Gravity, Shiraz University, Shiraz, Iran.  
**Ph.D. Thesis:** Holographic Dark Energy Model as a Candidate for the Accelerated Expansion of the Universe.  
**Supervisor:** Prof. M. H. Dehghani and Prof. A. Sheykhi  
GPA: 18.45/ 20

**2007-2010:** M.Sc. in Astrophysics and Cosmology, Kurdistan University, Kurdistan, Iran.  
**M. Sc. Thesis:** Study of Chaplygin gas dark energy model of accelerating universe.  
**Supervisor:** Prof. K. Karami  
GPA: 17.67/ 20

**2002-2007:** B.S. in physics, Kurdistan University, Kurdistan, Iran.  
GPA: 14.79/ 20

### **Publications:**

---

- [1] S. Ghaffari, E. Sadri, A.H. Ziaie, "*Tsallis holographic dark energy in Fractal Universe*", Modern Physics Letters A, (in press).
- [2] S. Ghaffari, A. H. Ziaie, V. B. Bezerra, H. Moradpour, "*Inflation in the Rnyi cosmology*", Modern Physics Letters A **35** (01), 1950341 (2020).
- [3] H. Moradpour, Y. Heydarzade, C. Corda, A. H. Ziaie, S. Ghaffari, "*Black hole solutions and Euler equation in Rastall and generalized Rastall theories of gravity*", Modern Physics Letters A **34**, 1950304 (2019).
- [4] H. Moradpour, C. Corda, A. H. Ziaie, S. Ghaffari, "*The extended uncertainty principle inspires the Rnyi entropy*", EPL (Europhysics Letters) **127**, 60006 (2019).
- [5] H. Moradpour, A. H. Ziaie, S. Ghaffari, F. Feleppa, "*The generalized and extended uncertainty principles and their implications on the Jeans mass*", Monthly Notices of the Royal Astronomical Society: Letters **488**, L69 (2019).
- [6] S. Ghaffari, H. Moradpour, A. H. Ziaie, F. Asgharian, F. Feleppa, "*Black hole thermodynamics in the Sharma-Mittal generalized entropy formalism*", General Relativity and Gravitation **51**, 93 (2019).
- [7] A. H. Ziaie, H. Moradpour, S. Ghaffari, "*Gravitational Collapse in Rastall Gravity*", Physics Letters B **793**, 276 (2019).
- [8] A. Sheykhi, S. Ghaffari, H. Moradpour, "*Ghost Dark Energy in the Deformed Horava-Lifshitz Cosmology*", International Journal of Modern Physics D (IJMPD), **28**, 1950080 (2019).
- [9] S. Ghaffari , H. Moradpour , Valdir B. Bezerra , J.P. Morais Graa , I.P. Lobo, "*Tsallis holographic dark energy in the brane cosmology*" Physics of the Dark Universe, **23**, 100246 (2019).

- [10] S. Ghaffari H. Moradpour, I. P. Lobo, J. P. Moraes Graca, Valdir B. Bezerra, "Tsallis Holographic Dark Energy in the Brans-Dicke Cosmology", Eur. Phys. J. C, **78**, 206 (2018).
- [11] S. Ghaffari, "Holographic dark energy model in the DGP braneworld with time varying holographic parameter", New Astronomy, **67**, 76 (2018).
- [12] H. Moradpour, N. Sadeghnezhad, S. Ghaffari, A. Jahan, "Thermodynamic analysis of gravitational field equations in Lyra manifold", Advances in High Energy Physics (AHEP), 9687976 (2017).
- [13] A. Sheykhi, S. Ghaffari, N. Roshanshah, "A note on holographic dark energy with varying  $c_2$  Parameter", International Journal of Theoretical Physics (IJTP), **56**, 1845 (2017).
- [14] A. Sheykhi, M. H. Dehghani, S. Ghaffari, "New holographic dark energy model inspired by the DGP braneworld" International Journal of Modern Physics D (IJMPD), **25**, 1650018 (2015).
- [15] S. Ghaffari, M.H. Dehghani, A. Sheykhi, "Statefinder diagnosis for holographic dark energy in the DGP braneworld", Physical Review D (PRD), **91**, 023007 (2015).
- [16] S. Ghaffari, M. H. Dehghani, A. Sheykhi, "Holographic dark energy in DGP braneworld with GO cut-off" , Physical Review D (PRD), **89**, 123009 (2014).
- [17] K. Karami, J. Mubasher, S. Ghaffari, K. Fahimi, "Holographic, new agegraphic and ghost dark energy models in fractal cosmology ", Canadian Journal of Physics (CJP), **91**, 1, 2013 [arXiv: 1201.6233].
- [18] K. Karami, A. Sheykhi, J. Mubasher, R. Myrzakulov, S. Ghaffari, and A. Abdolmaleki, "Power-law entropy-corrected new agegraphic dark energy in HoavaLifshitz cosmology", Canadian Journal of Physics, (CAJPH) **90**, 473-479, (2012).
- [19] K. Karami, A. Abdolmaleki, N. Sahraei, S. Ghaffari, "Thermodynamics of apparent horizon in modified FRW universe with power-law corrected entropy ", Journal of High Energy Physics, (JHEP), **08**, 150, (2011), [Arxiv: 1009.3833].
- [20] K. Karami, S. Ghaffari, M. M. Soltanzadeh, "The generalized second law of gravitational thermodynamics on the apparent and event horizons in FRW cosmology", Classical and Quantum Gravity (Class. Quantum Grav.), **27**, 205021, (2010), [arXiv: 1101.3240].
- [21] K. Karami, J. Mubasher, M. Roos, S. Ghaffari, A. Abdolmaleki, "Entropy-corrected new agegraphic dark energy in Hořava-Lifshitz cosmology", Astrophysics and Space Science, **340**, 175184, (2012).
- [22] . K. Karami, S. Ghaffari, "The generalized second law of thermodynamics for the interacting Polytropic dark energy non-flat FRW universe enclosed by the apparent horizon", Physics Letters B (Phys. Lett. B), **688**, 125 (2010).
- [23] K. Karami, S. Ghaffari, "The generalized second law in irreversible thermodynamics for interacting dark energy in non-flat FRW universe enclosed by the apparent horizon", Physics Letters B (Phys. Lett. B), **685**, 115 (2010) [arXiv: 0912.0363].
- [24] K. Karami, S. Ghaffari, F. Fehri, "Interacting Polytropic gas model of phantom dark energy in non-flat universe", European Physical Journal C (EPJC), **64**, 85 (2009) [arXiv: 0911.4915].

#### **Conference Presentations:**

The national conference on gravitation and cosmology, Sharif University of Technology, Tehran, Iran. February 2015.

The national conference on gravitation and cosmology, Sharif University of Technology, Tehran, Iran. January 2011.