

CURRICULUM VITAE

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DATE OF BIRTH: 7 JULY 1976

GENDER: MALE

PLACE OF BIRTH: IRAN

NATIONALITY: IRANIAN

AREA OF INTERESTS:

- 1) General Relativity, Standard Cosmology,
- 2) Extra Dimensions, Brane Cosmology,
- 3) Modification of General Relativity,
- 4) Quantum Cosmology,
- 5) Foundations of Quantum Theory.

ACADEMIC EDUCATION:

- **PhD** in Physics, Department of Physics, *Shahid Beheshti University (SBU)*, Tehran-Iran, (December 2006- 2011).
- **Master of Science** in Physics, Department of Physics, *Shahid Beheshti University (SBU)*, Tehran-Iran, (September 2003- 2006).
- **Bachelor of Science** in Physics, Department of Physics, *Azarbaijan University of Tarbiat Moallem, Tabriz-Iran*, (September 1998-2003).

Thesis:

- **PhD Thesis:**

“ Gravity and Cosmology in Generalized DGP Brane-World ”

Supervisor: Prof. H. R. Sepangi

- **M.S Thesis:**

“ACCELERATED EXPANSION IN $f(R)$ GRVITY ”

Supervisor: Prof. H. R. Sepangi

SELECTED PUBLICATIONS:

1-Cosmological solutions in the Brans-Dicke theory via invariants of symmetry groups

Authors: E. Ahmadi-Azar, **K. Atazadeh**, A. Eghbali, IJGMMP (2024) Vol. 21, No. 11, 2450192

2-Quantum cosmology in teleparallel gravity with a boundary term

Authors: H. Amiri, **K. Atazadeh**, H. Hadi , Eur. Phys. J. C (2024) 84: 429

3-Source of black bounces in Rastall gravity

Authors: **K. Atazadeh**, H. Hadi, JCAP01(2024)067

4-Geodesic deviation equation in generalized hybrid Metric-Palatini gravity

Authors: S. Golsanamlou, K. Atazadeh, M. Mousavi, Eur. Phys. J. C 83(2023)1024

5- Quantum time dilation in the near-horizon region of a black hole

Authors: H. Hadi, K. Atazadeh, F. Darabi, Physics Letters B,834, 2022, 137471

6-Cosmological future singularities in massive gravity and massive bigravity

Authors: M. Mousavi, K. Atazadeh, Physics of the Dark Universe 35 (2022) 100942

7-Maximum force conjecture in Kiselev, 4 D-EGB and Barrow corrected-entropy black holes

Authors: K. Atazadeh, Phys. Lett. B 820 (2021) 136590

8-Gravitational baryogenesis in DGP brane cosmology

Authors: K. Atazadeh, Eur. Phys. J. C (2018) 78:455

9.Dark matter as the Bose-Einstein condensation in loop quantum cosmology

Authors: K. Atazadeh, F. Darabi, M. Mousavi

Journal-ref: Eur. Phys. J. C, 76 (2016) 327

10. Quark-hadron phase transition in massive gravity

Authors: K. Atazadeh

Journal-ref: Annals of Physics 374 (2016) 179-189

11. Einstein static universe on the brane supported by extended Chaplygin gas

Authors: Y. Heydarzade, F. Darabi, K. Atazadeh

Journal-ref: Astrophys. Space. Sci 361: 250 (2016)

12. Non-minimal kinetic coupled gravity: inflation on the Warped DGP brane

Authors: F. Darabi, A. Parsiya, K. Atazadeh

Journal-ref: Int. J. Mod. Phys. A 31, 1650047 (2016)

13. Einstein static Universe in non-minimal kinetic coupled gravity

- Authors: K. Atazadeh, F. Darabi
Journal-ref: Phys. Lett. B 744(2015)363
14. Geodesic Deviation Equation in $f(T)$ gravity
Authors: F. Darabi, M. Mousavi, K. Atazadeh
Journal-ref: Phys. Rev. D 91, 084023 (2015)
15. Late time acceleration in a non-commutative model of modified cosmology
Authors: B. Malekolkalami, K. Atazadeh, B. Vakili
Journal-ref: Phys. Lett. B 739 (2014) 400
16. Brane cosmology in teleparallel and $f(T)$ gravity
Authors: K. Atazadeh, A. Eghbali
Journal-ref: Phys. Scr. 90 (2015) 045001
17. Quantum tunneling from generalized (2+1) dimensional black holes having Noether symmetry
Authors: F. Darabi, K. Atazadeh, A. Rezaei-Aghdam
Journal-ref: Eur. Phys. J. C (2014) 74:2967
18. New Schwarzschild-like solutions in $f(T)$ gravity through Noether symmetries
Authors: A. Paliathanasis (Athens U.), S. Basilakos (RCAAM, Academy of Athens), E.N. Saridakis (Natl. Tech. U., Athens and Valparaiso U., Catolica), S. Capozziello (Naples U. and INFN, Naples), K. Atazadeh, F. Darabi (Azarbaijan U. of Tarbiat Moallem), M. Tsamparlis (Athens U.)
Journal-ref: Phys. Rev. D 89, 104042 (2014)
19. Stability of the Einstein static universe in Einstein-Cartan theory, K. Atazadeh , arXiv:1401.7639.
20. Einstein Static Universe in Braneworld Scenario, K. Atazadeh, Y. Heydarzade, F. Darabi, arXiv:1401.7638.
21. Generalized (2+1) dimensional black hole by Noether symmetry
F. Darabi, K. Atazadeh, A. Rezaei-Aghdam , arXiv:1304.2926
22. Energy conditions in $f(R,G)$ gravity, K. Atazadeh, F. Darabi, Gen. Relativ. Gravit. (2014) 46:1664, arXiv:1302.0466.
- 23- Vacuum spherically symmetric solutions in $f(T)$ gravity
K. Atazadeh, Misha Mousavi, Eur. Phys. J. C 73 (2013) 2272, arXiv:1212.3764.
24. Localization of gravity in brane world with arbitrary extra dimensions, A. M. Yazdani, S. Jalalzadeh, K. Atazadeh, Int J Theor Phys (2011) 50: 888, arXiv:1203.3762
25. $f(T)$ cosmology via Noether symmetry
Authors: K. Atazadeh, F. Darabi, Eur. Phys. J. C 72 (2012) 2016, arXiv:1112.2824.
26. Naked Singularity Formation In $f(R)$ Gravity
A. H. Ziaie, K. Atazadeh, S. M. M. Rasouli, Gen Relativ Gravit 43 (2011) 2943 , arXiv:1106.5638
27. Quark-hadron phase transition in Brans-Dicke brane gravity
Authors: K. Atazadeh, A. M. Ghezelbash, H. R. Sepangi, Class.Quant.Grav.28:085013,2011, arXiv:1103.0073
28. Naked Singularity Formation In Brans-Dicke Theory
A. H. Ziaie, K. Atazadeh, Y. Tavakoli,

Class. Quantum Grav. 27 (2010) 075016, arXiv:1003.1725

29. Generalized virial theorem in Palatini $f(R)$ gravity, A. S. Sefiedgar, K. Atazadeh, H. R. Sepangi, Phys. Rev. D 80 (2009) 064010, arXiv:0908.2693

30. DGP brane cosmology and quark-hadron phase transition, K. Atazadeh, A. M. Ghezelbash, H. R. Sepangi
Int. J. Mod. Phys. D, 21 (2012) 1250069, arXiv:0904.2444

31. Energy conditions in $f(R)$ gravity and Brans-Dicke theories,
K. Atazadeh, A. Khaleghi, H. R. Sepangi, Y. Tavakoli
Int.J.Mod.Phys.D18:1101-1111,2009 , arXiv:0811.4269

32. Brans-Dicke DGP Brane Cosmology , K. Atazadeh, H. R. Sepangi
JCAP 0901:006,2009 , arXiv:0811.3823

33. Correspondence between modified gravity and 5D Ricci-flat cosmologies, K. Atazadeh, F. Darabi, H. R. Sepangi
Int.J.Mod.Phys.D18:1049-1058,2009, arXiv:0805.3475

34. Accelerating universe in $f(R)$ brane gravity ,
: K. Atazadeh, M. Farhoudi, H. R. Sepangi
Phys.Lett.B660:275-281,2008, . arXiv:0801.1398

35. Curvature corrections in DGP brane cosmology, K. Atazadeh, H. R. Sepangi ,
JCAP0709:020,2007, arXiv:0710.0214

36. Noncommutativity, generalized uncertainty principle and FRW cosmology , A. Bina, K. Atazadeh, S. Jalalzadeh, Int.J.Theor.Phys.47:1354-1362,2008, .
arXiv:0709.3623

37. Modified gravity inspired DGP brane cosmology, K. Atazadeh, H. R. Sepangi ,
Phys.Lett.B643:76-80,2006 , arXiv:gr-qc/0610107

38. Accelerated expansion in modified gravity with a Yukawa-like term
Authors: K. Atazadeh, H. R. Sepangi , Int.J.Mod.Phys.D16:687-698,2007 ,
arXiv:gr-qc/0602028

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*Preprint of these papers are attached to the end of the letter: (File: preprint)

CONFERENCES:

- **Twelfth Marcel Grossmann Meeting, UNESCO 2009, Paris, France.**
- Participant and talk in summer school in Cosmology, ICTP 2008, **Trieste, Italy.**
- Participant in Cosmology School & Workshop, IPM 2007, Thehran- Iran.
- **National Conference on Gravity and Cosmology, 4 and 5 Day, 1387,**
Sharif University, Tehran, Iran.
- **National Conference on Gravity and Cosmology, 30 and 31 Jan. 2008, Tehran**

University, Tehran, Iran.

- National Conference on Gravity and Cosmology, 4 and 5 Bahman, 1386,

Sharif University, Tehran, Iran.

- Conference of The World Year of Physics, Tabriz University, 10 Mar. 2005, Tabriz, Iran.
- Conference of Physics and Astrophysics, Tabriz University, 2004, Tabriz, Iran.

BACKGROUND COURSES INCLUDE:

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- *M.S COURSES:*
- *B.S COURSES:*
- *SELF STUDIED TOPICS:*
- *CURRENT STUDIES:*
- *TEACHING EXPERIENCE:*

1-GENERAL RELATIVITY
2-QUANTUM MECHANICS 1,2
3-PHYSICS 1,2
4-ASTROPHYSICS
5-MODERN PHYSICS
6-ADVANCED QUANTUM MECHANICS 1,2
7- Cosmology

REFERENCES:

1. **H. R. Sepangi**, Professor of Theoretical Physics (Gravitation) in SBU of Tehran-Iran, (Supervisor). Electronic Address: hr-sepangi@sbu.ac.ir.
2. **F. Darabi**, Associated Professor of Theoretical Physics (Gravitation) in Azarbaijan University of Tarbiat Moallem, Tabriz-Iran. Electronic Address: f.darabi@azaruniv.edu.
3. **S. Jalalzadeh**, Assistant Professor of Theoretical Physics (Gravitation) in SBU of Tehran-Iran. Electronic Address: s-jalalzadeh@sbu.ac.ir