CURRICULUM VITAE

NAME:	**Dr. Faisal Javed (DSc)**
FATHER'S NAME:	Javed Iqbal
DATE OF BIRTH:	Feb 25,1992
NATIONALITY:	Pakistani
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About Me

Please allow me to present myself as a dedicated person who is utterly engrossed in the fascinating fields of cosmology and astrophysics and who finds absolute curiosity in solving the universe's riddles. I am a passionate researcher with deep knowledge and proficiency in a number of important theoretical physics subfields. I am passionate in studying the deep secrets of the world in the fields of **general relativity**, **astrophysics**, and **cosmology**. My contributions to **black holes, wormholes, compact stars, thin-shell dynamics** with different types of dark energy models. In addition, I am actively investigating **modified theories of gravity** to explore the behavior of compact objects and wormhole configurations. As a methodical investigator, I use numerical and mathematical modeling to decipher the mysteries of the universe. My **future goal** is to make a bridge between **General Relativity** and **Solitons** to explore the dynamical behavior of **Compact Objects.** I am interested to solve **Klein-Gordon Equations** used in **thin-shell** to obtain the **Solitary Wave Solutions** in different dimensions. My work is evidence of my commitment to using rigorous scientific investigation to further our understanding of the Universe. I continue to make major contributions to the disciplines of theoretical and mathematical physics, making a lasting impression on our understanding of the universe with my breadth of knowledge and unwavering commitment to excellence.

Dr. **Faisal Javed**

ACADEMIC QUALIFICATIONS

Ph.D. (Mathematics)	University of the Punjab, Lahore (**Jan 2018- Jan 2021**) (3.74/4.00) Completion Date (**11June2021**)
PhDThesis Title	Mechanical Stability and Dynamical Evolution of Thin-Shell.
Ph.D. Supervisor:	Prof. Dr. Muhammad Sharif, Dean, Faculty of Sciences, University of the Punjab,Lahore, Pakistan
MPhil (Mathematics)	University of the Punjab, Lahore (**2014-2016**) (3.54/4.00)
MphilThesis Title	Stability of Bardeen Thin-Shell Wormholes Using Variable Equation of State.
Mphil Supervisor:	Prof. Dr. Muhammad Sharif, Chairman, Department of Mathematics, University of the Punjab,Lahore, Pakistan
MSc (Mathematics)	University of the Punjab, Lahore (**2011-2013**) (967/1200)

EXPERIENCE

ACADEMIC EXPERIENCE:

March 2023 – Till Continue	**PostDoc, Physics Department**, **Zhejiang Normal University, Jinhua, China**
Jan 2022 – Feb 2023	**Lecturer Applied Mathematics BPS-17,** Government Graduate College Aroop, Gujranwala in **Higher Education Department**, Pakistan
Sep. 2021 – Jan 2022	**Assistant Professor of Applied Mathematics**, National University of Modern Languages, Islamabad (Main Campus), Pakistan
Feb. 2019 – Oct. 2021	**Lecturer of Applied Mathematics**, NCBA&E University, Lahore, Pakistan
Feb. 2021 – Oct. 2021	**Lecturer of Applied Mathematics**, Superior University, Lahore, Pakistan
March 2019 – Aug. 2021	**Lecturer of Applied Mathematics**, The Institute of Management Sciences, Lahore, Pakistan

Dr. **Faisal Javed**

Sep 2016 – Aug 2018 **Lecturer of Applied Mathematics**, Government College University Faisalabad (GCUF), Sahiwal Campus, Pakistan

A. RESEARCH EXPERIENCE/PROJECTS

Feb 2018 – Feb 2021 Working as a **Research Assistant** in Department of Mathematics, University of the Punjab, Lahore under **NRPU** Research Project (**Higher Education Commission, Islamabad**, with reference No. *6748/Punjab /NRPU/RD /HEC/2016)*.

B. FIELD OF EXPERTIES:

(a)General Relativity (b)Wormhole Physics (c) Black Hole
(d)Compact Stars. (e) Modified Theories of Gravity

C. COMPUTER EXPERIENCE:

(a)MSOffice (b)LaTex (c)Mathematica (d)Maple.

A. TEACHINGEXPERIENCE:

i) **Taught the following subjects:**

- Intermediate Mathematics Courses, i.e., Calculus, etc. (FA, FSc/A. Level) at Punjab College, Narowal;
- Mathematics Courses A&B (BSc) at at Punjab College, Narowal;
- Mechanics (MSc & BS Mathematics) at Government College, University Faisalabad, Sahiwal Campus;
- Real Analysis I (BS Mathematics) at Government College, University. Faisalabad, Sahiwal Campus;
- Vector and Tensor Analysis (BSc Honors) at atGovernment College, University Faisalabad, Sahiwal Campus;
- Algebra (BS & MSc Mathematics) at atGovernment College, University Faisalabad, Sahiwal Campus;
- Differential Equations (BSCS) at Government College, University Faisalabad, Sahiwal Campus;
- Numerical Analysis (MSc Mathematics) at Government College, University Faisalabad, Sahiwal Campus;
- Mechanics (MSc Mathematics) at NCBA&E University Lahore;
- Real Analysis I (MSc Mathematics) at NCBA&E University Lahore;
- Vector and Tensor Analysis (MSc) at NCBA&E University Lahore;
- Algebra (MSc Mathematics) at NCBA&E University Lahore;
- Numerical Computing (BSCS) at The Institute of Management Sciences, Lahore;
- Functional Analysis and Topology (MSc Mathematics) atNCBA&E University Lahore;
- Linear Algebra (BSCS and BSGM) at Superior University Lahore (Gold Campus).
- Special Relativity (BS Mathematics) at National University of Modern Langueges, Islamabad.
- Elements of Set Theory and Logics (BS Mathematics) at National University of Modern Langueges, Islamabad.
- Set Topology (BS Mathematics) at National University of Modern Langueges, Islamabad.

ii) Delivered the following seminars:

- Stability of Thin-Shell Wormholes (**Maths Department Punjab University Lahore 23/01/2019**);
- Stability of Einstein-Power-Maxwell (2+1)-Dimensional Wormholes (**Maths Department Punjab University Lahore 08/01/2020**);
- Stability of Gravastar with Exterior Regular Black Holes (**Maths Department Punjab University, Lahore 09/12/2020**).
- Mechanical Stability and Dynamical Evilution of Thin-Shell (**Maths Department Punjab University, Lahore 03/06/2020**).

iii) CONFERENCE ORGANIZER:

I have arranged one day Seminar on **"*Recent Research on Black Holes & Gravitational Waves*"** at Physics Department, Zhejiang Normal University, China.

iv) CONFERENCES AND SEMINARS ATTENDED

- I have delivered the lecture on "***Gravastar Solutions in the Presence of Cloud of Strings and Quintessence***" in ***International Conference on Theoretical Physics and Relativistic Astrophysics,*** *which will take place in* ***the Institute of Fundamental and Applied Research, Tashkent, Uzbekistan*** *from* ***May 13-22, 2024.***
- I have attended the ***14th Regional Conference on Mathematical Physics***, Quaid-I-Azam University, Islamabad, November 11, 2015;
- I have attended the *"**Weekly Departmental Seminar Series**"* regularly held at Department of Mathematics, University of the Punjab, Lahore (2018-2021);
- I have attended ***1st PU International Conference on Gravitation and Cosmology*** held from January 27, 2019 till January 31, 2019 Department of Mathematics, University of the Punjab, Lahore.
- I have attended ***3rd International Conference on Gravitation and Cosmology***, University of the Punjab Nov 22-25, 2021.

Achievements

- 4th Position in Annual ExminationMsc Mathematics, University of the Punjab, Lahore.
- Laptop Award Under Prime Minister Laptop Scheme.
- Awarded a Merit Scholarship During Msc Mathematics, University of the Punjab, Lahore.
- Awarded a Merit Scholarship During MPHIL Mathematics, University of the Punjab, Lahore.

RESEARCH SUMMARY

- Total Research papers in Impact Factor Journals: **83**
- Cumulative IF **316.7701**
- Cumulative citations: **1158**
- h-index: **21**
- i10-index **43**

Dr. **Faisal Javed**

List of PUBLICATIONS

Complete list of research papers can be seen at the following Google Scholar link
https://scholar.google.com.pk/citations?user=7WQLBSoAAAAJ&hl=en

Research Summary According to Some Scientific Journals		
Sr. No.	**Names of Journals**	**Nos. of Publications**
1.	European Physical Journal C	06
2.	Physics of the Dark Universe	15
3.	Fortschritte der Physik - Progress of Physics	03
4.	Classical and Quantum Gravity	01
5.	European Physical Journal Plus	02
6.	Chinese Physics C	01
7.	Physica Scripta	03
8.	Nuclear Physics B	02
9.	Annals of Physics	06
10.	Chinese Journal of Physics	11
11.	Results in Physics	01
12.	International Journal of Geometric Methods in Modern Physics	10
13.	International Journal of Modern Physics A	02
14.	General Relativity and Gravitation	01
15.	International Journal of Modern Physics D	02
16.	Modern Physics Letters A	02
17.	Frontiers in Astronomy and Space Sciences	02
18.	Astrophysics and Space Science	03
19.	Journal of High Energy Astrophysics	04
20.	Annalen der Physik	01
21.	Scientific Reports	01
22.	Astronomy Reports	01
23.	Journal of Experimental and Theoretical Physics	02

Publications in International Journals

1. R.Y. Chen, **Faisal Javed**, G. Mustafa, S.K. Maurya, S. Ray, "*Dual effect of string cloud and dark matter halos on particle motions, shadows and epicyclic oscillations around Schwarzschild black holes*" Journal of High Energy Astrophysics 44 (2024) 172–186 [https://doi.org/10.1016/j.jheap.2024.09.010] **[Corresponding Author, I.F. 10.2]**

2. **Faisal Javed**, G. Fatima, G. Mustafa, S.K. Maurya, B. Almutairi. "*Analyzing heat engine efficiency, particle dynamics and thermodynamic properties of accelerated charged anti-de sitter black holes*" Physics of the Dark Universe **46(**2024)101654. [https://doi.org/10.1016/j.dark.2024.101677] **[First Author, I.F. 5.5]**

3. A. Ashraf, **Faisal Javed**, W.X. Ma, A. Waseem, "*Effect of perfect fluid dark matter on Bardeen thin-shell wormholes*" Eur. Phys. J. Plus **139**(2024)857. [doi.org/10.1140/epjp/s13360-024-05631-z] **[CoAuthor, I.F. 1.873]**

4. **Faisal Javed**, D. Arora, M. Yasir, H. Chaudhary, G. Mustafa, Xia Tiecheng, F. Atamurotov, **"***Impact of chaplygin-like equation of state on Joule–Thomson expansion and tidal forces of AdS black holes"* Physics of the Dark Universe 46 (2024) 101654. [https://doi.org/10.1016/j.dark.2024.101654] **[First Author, I.F. 5.5]**

5. **Faisal Javed**, S. Mumtaz, A.Raza, B. Almutairi, G. Mustafa, G. Fatima, "*Greybody factor of uncharged black hole in symmetric teleparallel gravity*" Physics of the Dark Universe 46(2024)101656. [https://doi.org/10.1016/j.dark.2024.101656] **[First Author, I.F. 5.5]**

6. G. Mustafa, G. D. A. Yildiz, **Faisal Javed**, S.K. Maurya, E. Güdekli, F. Atamurotov, "*Orbital motion, epicyclic oscillations, and collision of particles around conformally coupled charged black hole*" Physics of the Dark Universe

46(2024)101647. [https://doi.org/10.1016/j.dark.2024.101647] **[Corresponding Author, I.F. 5.5]**

7. **Faisal Javed,** G. Mustafa, G. Fatima, S.K. Maurya, M. H. Alshehri, I. Mubeen. "*Joule-Thomson expansion for charged-AdS black hole with nonlinear electrodynamics and thermal fluctuations by using Barrow entropy*." Journal of High Energy Astrophysics **44**(2024)60–73. [https://doi.org/10.1016/j.jheap.2024.09.003] [Corresponding Author, I.F. 10.2]

8. D. Ortiqboev, **Faisal Javed**, F. Atamurotov, A. Abdujabbarovh, G. Mustafa, "*Energy extraction and Keplerian fundamental frequencies in the Kalb–Ramond gravity*", Physics of the Dark Universe **46**(2024)101615. [https://doi.org/10.1016/j.dark.2024.101615] **[First Author, I.F. 5]**

9. A. Waseema, T. Chaudharya, S. Naeema, B. Almutairi, **Faisal Javed**, "*Insights on the stability of compact stars under Durgapal–Lakemetric potentials in the framework of non-conservative theory of gravity*", Physics of the Dark Universe **46**(2024)101609. [https://doi.org/10.1016/j.dark.2024.101609] **[First Author, I.F. 5]**

10. A. Waseem, **Faisal Javed,** G. Mustafab, F. Atamurotovc, B. Almutairi, "*Impact of cold dark matter and variable equations of state on the stability of thin-shell wormholes*", Physics of the Dark Universe **46**(2024)101613. [https://doi.org/10.1016/j.dark.2024.101613] **[First Author, I.F. 5]**

11. **Faisal Javed,** M. Vivas-Cortez, N. Raza, and M. S. Alqarni. "*Construction of bilinear Bäcklund transformation and complexitons for a newer form of Boussinesq equation describing shallow water waves*." Results in Physics **64**(2024)107903. [https://doi.org/10.1016/j.rinp.2024.107903] **[First Author, I.F. 4.4]**

12. G. Mustafa, **Faisal Javed**, S.K. Maurya, *Abdelghani Errehymy*, "*New Embedded Wormhole Solutions in Ricci Inverse Gravity*". Annalen der Physik (2024): 2400155. [https://doi.org/10.1002/andp.202400155] **[CoAuthor, I.F. 5.5]**

13. B. Rasheed, A. Ditta, T. Naseer, **Faisal Javed**, and G. Mustafa. "*Analyzing the quantum corrected adS spherically symmetric black holes with phantom global monopoles for thermal properties*." International Journal of Geometric Methods in Modern Physics (2024) 2450302. [https://doi.org/ 10.1142/S021988782450302X] **[Corresponding Author, I.F. 1.873]**

14. G. Mustafa, **Faisal Javed**, S.K. Maurya, A. Waseem, G. Fatima, "*Imprints of dark energy models on structural properties of charged gravastars in extended teleparallel gravity*." Physics of the Dark Universe **46**(2024)101574. [https://doi.org/10.1016/j.dark.2024.101574] **[First Author, I.F. 5.5]**

15. **Faisal Javed**, A. Waseem, G. Fatima, B. Almutairi, "*Stability of thin-shell wormholes via polymer black hole in loop quantum gravity*". Physics of the Dark Universe **46**(2024)101605. [https://doi.org/10.1016/j.dark.2024.101605] **[First Author, I.F. 2.2]**

16. **Faisal Javed**, G. Fatima, M. A. Ashebo, B. Almutairi, "Stability of lower dimensional counter-rotating thin-shell wormholes with scalar hair". Scientific Reports **14**(2024)17277. https:// doi.org/10.1038/s41598-024-62590-2] **[First Author, Corresponding Author, I.F. 3.8]**

17. A. Ashraf, **Faisal Javed**, W. X. Ma, G. Mustafa, *Structural properties of compact stars in extended teleparallel gravity*. International Journal of Geometric Methods in Modern Physics. (2024) 2450161 [https://doi.org/10.1142/S0219887824501615] **[CoAuthor, I.F. 1.873]**

18. A. Ashraf, S. Mumtaz, **Faisal Javed**, and Z. Zhang. "*Viable embedded wormholes and energy conditions in f(R,G) gravity*." International Journal of Geometric Methods in Modern Physics (2024). **(In Press)** **[**https://doi.org/10.1142/S0219887824502086] **[Corresponding Author, I.F. 1.873]**

19. A. Hussain, **Faisal Javed**, G. Fatima, F. Tchier, S. Nozima, and G. Mustafa. "*Scalar shell dynamics of quantum-corrected Schwarzschild black hole sorrounded by quintessence field*." International Journal of Geometric Methods in Modern Physics (2024). [https://doi.org/10.1142/S0219887824502979] **[Corresponding Author, I.F. 1.873]**

20. G. Fatima, **Faisal Javed**, G. Mustafa, and Fairouz Tchier. "*Influence of scalar field parameter on the stability of lower dimensional thin-shell wormholes*." International Journal of Geometric Methods in Modern Physics (2024). [https://doi.org/10.1142/S0219887824502797] **[CoAuthor, I.F. 1.873]**

21. G. Fatima, **Faisal Javed**, A. Waseem, G. Mustafa, B. Almutairi, "*Role of holographic dark energies in preserving stability of thin-shell wormholes in charged torus black holes*". Chinese Journal of Physics **90**(2024) 864–876. [https://doi.org/10.1016/j.cjph.2024.06.005] **[Corresponding Author, I.F. 5.00]**

22. **Faisal Javed**, M. H. Alshehri "*Null geodesics, QNMs, emission energy and thermal fluctuation of charged T-duality black hole with simple logarithmic correction*". Results in Physics, **62**(2024) 107837. [https://doi.org/10.1016/j.rinp.2024.107837] **[Corresponding Author, I.F. 5.3]**

23. A. Ditta, **Faisal Javed**, G. Mustafa, F. Atamurotov and S. Salimov. "*Particle dynamics and fundamental frequencies of black hole coupled with a nonlinear electrodynamics field*." Journal of High Energy Astrophysics **43** (2024) 51–60. [https://doi.org/10.1016/j.jheap.2024.06.005] **[Corresponding Author, I.F. 3.8]**

24. S. Sadiq, A. Atif, **Faisal Javed,** R. Saleem, "Investigating novel wormhole models in extended teleparallel gravity through thin-shell composed with dark energies". Chinese Journal of Physics **90**(2024)594–607. [https://doi.org/10.1016/j.cjph.2024.06.004] **[Corresponding Author, I.F. 5.00]**

25. G. Mustafaa,b, A. Dittac, **Faisal Javed,** F. Atamurotov, I. Hussaing, B. Ahmedov "*Probing a black hole in Starobinsky-Bel-Robinson gravity with thermodynamical analysis, effective force and gravitational weak lensing*." Chinese J. Physics **90**(2024)494-508. [https://doi.org/10.1016/j.cjph.2024.04.038] **[Corresponding Author, I.F. 5.00]**

26. **Faisal Javed**, A.Waseem, G. Mustafa, F. Tchier, F. Atamurotov, B. Ahmedov, and A. Abdujabbarov. "*Constraining study of charged gravastars solutions in symmetric teleparallel gravity.*" ." Chinese J. Physics **90**(2024)410-421. [https://doi.org/10.1016/j.cjph.2024.04.022] **[First Author, I.F. 5.00]**

27. G. Fatima, S. Shaukat, **Faisal Javed**, G. Mustafa, "*Greybody factors, quasi-normal modes and thermal fluctuations of quantum-corrected Schwarzschild black hole surrounded by quintessence". Physics of the Dark Universe* **45**(2024)101521. [https://doi.org/10.1016/j.dark.2024.101521] **[First Author, I.F. 5.5]**

28. A. Ashraf, A. Ditta, D. Sofuoğlu, W. Ma, **Faisal Javed**, F Atamurotov, A Mahmood, *"Quasi-periodic oscillations and particle motion around charged black hole surrounded by a cloud of strings and quintessence field in Rastall gravity"* Physica Scripta **99**(2024)065011. **[CoAuthor, I.F. 2.9]**

29. G. Fatima, **Faisal Javed**, A. Waseem, G. Mustafa, F. Tchier "*Study of acoustic thin-shell wormholes with variable equations of state"*Int.J.Geo. M. Mod. Phys. 21(2024) 2450198. **[Corresponding Author, I.F. 1.873]**

30. **Faisal Javed**, L. Ji, G. Mustafa, F. M. O. Tawfiq, "*Dynamics and stability via thin-shell of approximated black holes in f(Q) gravity*". Fortschr. Phys. **2024**(2024)2300081. **[First Author, I.F. 5.532]**

31. G Mustafa, **Faisal Javed**, S.K. Maurya, M. Govender, A. Saleem, "*Dynamical stability of new wormhole solutions via cold dark matter and solitonic quantum wave halos in f(r,Lm) gravity"*. Phys. Dark Universe **45**(2024)101508**. [Corresponding Author, I.F. 5.5]**

32. **Faisal Javed**, "*Astrophysical implications of quantum-improved charged black holes: Insights into quantum gravity and black hole phenomena."* Phys. Dark Universe **44**(2024)101450.[https://doi.org/10.1016/j.dark.2024.101450] **[First Author, Corresponding Author, I.F. 5.5]**

33. **Faisal Javed**, and Ji Lin. "Novel gravastars solution: Investigating stability, energy and entropy in the presence of cloud of strings and quintessence." Chinese J. Physics **88**(2024)786-798. [https://doi.org/10.1016/j.cjph.2024.02.033] **[First Author, I.F. 5.00]**

34. **Faisal Javed**, A. Waseem, J. Lin, S. Sadiq, G. Mustafa, M. H. Alshehri, "*Insights into dynamical evolution and stability of thin-shell configurations through acoustic black holes*" Euro. Phys. J. C 84(2024)337. [https://doi.org/10.1140/epjc/s10052-024-12693-x] **[First Author, I.F. 4.5]**

35. **Faisal Javed**, S. Mumtaz, G. Mustafa, F. Atamurotov, S.G. Ghosh,"*Exploring thin-shell dynamics in regular charged black hole through T-duality*". Chinese J Physics 88(2024)55-68.[https://doi.org/10.1016/j.cjph.2023.12.029] [**First Author, I.F. 5.00]**

36. **Faisal Javed**, M. H. Alshehri "*Impact of charged and quantum-correction on the dynamics of scalar shell surrounded by Kiselev black hole*". Annals of Physics 464(2024)169658. [https://doi.org/10.1016/j.aop.2024.169658]**[First Author, Corresponding Author, I.F. 3.80]**

37. Mustafa, G., S. K. Maurya, Saibal Ray, and **Faisal Javed**. "*Construction of thin-shell around new wormhole solutions via solitonic quantum wave dark matter*." Annals of Phys. 460(2024)169551. **[**https://doi.org/10.1016/j.aop.2023.169551**] [Corresponding Author, I.F. 3.00]**

38. G. Mustafa, **Faisal Javed**, S. K. Maurya, S. Ray "*Possibility of stable thin-shell around wormholes within the string cloud and quintessential field via the van der Waals and polytropic EoS in general relativity*" Chinese J Physics 88(2024)32-54. [https://doi.org/10.1016/j.cjph.2023.12.035] **[Corresponding Author, I.F. 5.00]**

39. G. Mustafa, A. Errehymy, **Faisal Javed**, S.K. Maurya, S. Hansraj, S. Sadiq, "*Generalized wormhole models within galactic halo region in torsion and matter coupling gravity formalism"* Journal of High Energy Astrophysics 42(2024)1-11. [https://doi.org/10.1016/j.jheap.2024.02.003] **[Corresponding Author, I.F. 3.80]**

40. G. Mustafa, A. Ditta, **Faisal Javed**, S.K. Maurya, H. Chaudhary, F. Atamurotov "*A study on matter accretion onto charged black hole solution in metric-affine gravity*" Chinese J Physics 89(2024)628-648. [https://doi.org/10.1016/j.cjph.2024.03.034] **[Corresponding Author, I.F. 5.00]**

41. **Faisal Javed**, A. Waseem, G. Mustafa, and E. Gudekli. "*Thin-shell wormholes with AdS black holes surrounded by Chaplygin dark fluid*". Int. J.Geo. M. Mod. Phys. 3(2024)2450061. [https://doi.org/10.1142/S0219887824500610]**[First Author, I.F. 1.8]**

42. S. Sadiq, A. Waseem, **Faisal Javed**, Errehymy, A. and Abdel-Aty, A.H., "*Gravitationally Decoupled Charged Anisotropic Solutions in Rastall Gravity*". Front. Astron. Space Sci 10(2024)1320081. [https://doi.org/10.3389/fspas.2023.132008] **[Corresponding Author, I.F. 3.00]**

43. A. Ditta, **Faisal Javed**, G. Mustafa, S.K. Maurya, D. Sofuoglu, F. Atamurotov "*Thermal analysis of charged Symmergent black hole with logarithmic correction"* Chinese J Physics 88(2024)287-300. [https://doi.org/10.1016/j.cjph.2024.01.019]**[CoAuthor, I.F. 5.00]**

44. M. Yasir, X.Tiecheng, **Faisal Javed**, G. Mustafa. "*Thermal analysis and Joule-Thomson expansion of black hole exhibiting metric-affine gravity*" Chinese Physics C 48(2024)015103. [https://doi.org/10.1088/1674-1137/ad0962] **[CoAuthor, I.F. 2.8]**

45. **Faisal Javed**" *Stability and dynamics of scalar field thin-shell for renormalization group improved Schwarzschild black holes*". Euro. Phys. J. C 83(2023)513. [https://doi.org/10.1140/epjc/s10052-023-11686-6] **[First Author, Corresponding Author, I.F. 4.991]**

46. **Faisal Javed**"*Computational analysis of thin-shell with scalar field for class of new black hole solutions in metric-affine gravity*". Annals of Physics 458(2023)169464. [https://doi.org/10.1016/j.aop.2023.169464]**[First Author, Corresponding Author, I.F. 3.00]**

47. **Faisal Javed**, A. Waseem, and B. Almutairi "*Quantum corrected charged thin-shell wormholes surrounded by quintessence*". Euro. Phys. J. C 83(2023)811. [https://doi.org/10.1140/epjc/s10052-023-11990-1] **[First Author, Corresponding Author, I.F. 4.991]**

48. **Faisal Javed**, G. Fatima, G. Mustafa, A. Ovgun. "*Effects of variable equations of state on the stability of nonlinear electrodynamics thin-shell wormholes*". Int. J.Geo. M. Mod. Phys. 20(2023) 2350010. [https://doi.org/10.1142/S021988782350010X]**[First Author, I.F. 1.873]**

49. **Faisal Javed**, G. Fatima, S. Sadiq, G. Mustafa "*Thermodynamics of charged black hole in symmetric teleparallel gravity*". Fortschr. Phys. 2023(2023) 2200214. [https://doi.org/10.1002/prop.202200214] **[First Author, I.F. 5.532]**

50. **Faisal Javed**, G. Mustafa, S. Mumtaz, F. Atamurotov"*Thermal analysis with emission energy of perturbed black hole in f (Q) gravity*". Nuclear Physics B 990(2023)116180. **[First Author, Corresponding Author, I.F. 3.045]**

51. A. Waseem, **Faisal Javed**, M. Z. Gul, G. Mustafa, and A. Errehymy."*Impact of quintessence and cloud of strings on self-consistent d-dimensional charged thin-shell wormholes*." Euro. Phys. J. C 83(2023)1088. [https://doi.org/10.1140/epjc/s10052-023-12239-7] **[Corresponding Author, I.F. 4.991]**

52. **Faisal Javed**, G. Mustafa, A. Ovgun" *Dynamical configurations of scalar shell with Hairy Schwarzschild black hole*". Eur. Phys. J. Plus 138 (2023)706. [https://doi.org/10.1140/epjp/s13360-023-04316-3] **[First Author, Corresponding Author, I.F. 3.758]**

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- **a)** **Faisal Javed**, A. Waseem, S. Shoukat, G. Mustafa, B. Almutairi, *Klein-Gordon equation and geodesic behavior in quantum-corrected charged black holes with quintessence* (Accepted for publication: PDU)
- **b)** G. Mustafa, **Faisal Javed**, S.K. Murya, "*On the evaluation of accretion process near a quantum-improved charged black hole* " (Accepted for publication: JHEAP)
- **c)** **Faisal Javed**, A. Waseem, G. Fatima, B. Almutairi, Study of wormhole stability in the framework of black hole surrounded by the pseudo-isothermal dark matter halo, *(*Accepted for publication: *Euro physical Journal C).*

Submitted Papers:

- **a)** **Faisal Javed**, Arfa Waseem, *Thermodynamic insights into Joule-Thomson expansion, particle dynamics, and emission energy in AdS black holes in Horndeski theory, (Submitted for peer review: PDU).*
- **b)** **Faisal Javed**, A. Waseem, Study of wormhole stability in the framework of black hole surrounded by the pseudo-isothermal dark matter halo, *(Submitted for peer review: Euro physical Journal C).*
- **c)** *G. Mustafa,**Faisal Javed** ,Abdelmalek Bouzenad, S. K. Maurya Arzu Cilli, and Ertan Gudekli, "Orbital motion and epicyclic oscillations around a black hole with magnetic charge" (Submitted for peer review: Euro physical Journal C).*

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