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Education

2005-2008 Ph.D., Theoretical Physics, Eastern Mediterranean University, Gazimağusa, North Cyprus.
Thesis: Non-Hermitian Quantum Mechanics.

1997-2000 M.S., Theoretical Physics, University of Isfahan, Isfahan, Iran.
Thesis: Stability of the super heavy nuclei.

1992-1997 B.S., Theoretical Physics, University of Isfahan, Isfahan, Iran.
Thesis: Detectors of Radioactive Radiations.

Area of specialization

Quantum Theory, Mathematical Physics, General Theory of Gravity, Classical Field Theories, Electrodynamics, Nuclear Physics, Quantum on Surfaces, Physical of Biological Bilayers.

Classes taught

Graduate: Advanced Quantum Mechanics, Advanced Electrodynamics, Advanced Mathematical Methods, General Relativity, Differential Geometry, Relativistic Quantum Mechanics, Field Theory,
Undergraduate: Quantum Mechanics, Electromagnetics I & II, Mathematical Methods I & II, Special and General Relativity, Differential Geometry, Solid State Physics, Physics I & Physics II for Engineering, Biophysics for Health Science, Biophysics for Dentistry, Physics Project.

Experience:

1994-1999 *Teaching Assistant*, Isfahan University, Isfahan, IRAN.

1995 *Lecturer of Physics for Olympiad Students*, Isfahan, IRAN.

1997-1999 *Physics Lecturer*, Islamic Azad University of Falavarjan, Isfahan, IRAN.

1999-2002 *Director and Instructor*, Quantum Institute, Isfahan, Iran.

2002-2005 *Physics Lecturer*, Babol Noshirvani University of Technology (NIT), Mazandaran, Iran

2005-2008 *Research Assistant*, Department of Physics, Eastern Mediterranean University, Gazimağusa, North Cyprus.

2008-2010 *Researcher and Lecturer,* Department of Physics, Eastern Mediterranean University, Gazimağusa, North Cyprus.

2010-2013 *Assistant Professor*, Department of Physics, Eastern Mediterranean University, Gazimağusa, North Cyprus.

2013-2019 *Associate Professor*, Department of Physics, Eastern Mediterranean University, Gazimağusa, North Cyprus.

2019-Present *Professor*, Department of Physics, Eastern Mediterranean University, Gazimağusa, North Cyprus.

2018-01/2026 *Vice Chair*, Department of Physics, Eastern Mediterranean University, Gazimağusa, North Cyprus.

2018-Present *Chair of the Laboratory Manual Renewal Committee*, Department of Physics, Eastern Mediterranean University, Gazimağusa, North Cyprus

2022-Present *Board Member,* Nanotechnology and Multifunctional Structures Research Center, Eastern Mediterranean University, Gazimağusa, North Cyprus.

2018-01/2026 *Chairman of the graduate committee*, Department of Physics, Eastern Mediterranean University, Gazimağusa, North Cyprus.

10/2026-Present *Vice Chair*, Department of Physics, Eastern Mediterranean University, Gazimağusa, North Cyprus.

Research & publications

Papers published in refereed journals

191. S. Habib Mazharimousavi and H. Karyal, Charged black holes from a novel nonlinear electrodynamics model based on electric potential regularization. *Fortschr. Phys. 74, e70154 (2026), doi.org/10.1002/prop.70154.*

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187. S. Habib Mazharimousavi, Regular compact universes from semiclassical FLRW spacetimes. *Nucl. Phys. B 1027, 117475 (2026), doi.org/10.1016/j.nuclphysb.2026.117475.*

186. S. Habib Mazharimousavi, Stability of neutral and charged Dyson shells around Reissner-Nordström compact objects. *Phys. Scr. 101, 205004 (2026), doi.org/10.1088/1402-4896/ae6ad4.*

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181. S. Habib Mazharimousavi, From black hole to white hole via thin-shell wormhole. *Ann. Phys. 483, 170277 (2025), doi.org/10.1016/j.aop.2025.170277.*

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179. S. Habib Mazharimousavi, Phenomenological charged extensions of the quantum Oppenheimer-Snyder collapse model. *Universe 11, 257 (2025), doi.org/10.3390/universe11080257*.

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177. S. Habib Mazharimousavi, Charged quantum Oppenheimer-Snyder model. *Eur. Phys. J. C 85, 667 (2025), doi.org/10.1140/epjc/s10052-025-14410-8*.

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175. S. Habib Mazharimousavi, Minimum asymptotic energy of a charged spherically symmetric thin-shell wormhole and its stability. *Eur. Phys. J. C 85, 132 (2025), doi.org/10.1140/epjc/s10052-025-13881-z*.

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134. S. Habib Mazharimousavi, A note on Reissner–Nordström black holes in the inverse electrodynamics model, *International Journal of Geometric Methods in Modern Physics 18*, *2150155 (2021)*, doi: 10.1142/S0219887821501553.

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132. I. Gullu, S. Habib Mazharimousavi, S. D. Forghani, A geometrical model for the evolution of spherical planetary nebulae based on thin-shell formalism, *International Journal of Geometric Methods in Modern Physics 18*, *2150191 (2021)*, doi:10.1142/S0219887821501917.

131. S. Habib Mazharimousavi and M. Halilsoy, Electric and magnetic black holes in a new nonlinear electrodynamics model, *Ann. Phys. 433*, *168579 (2021)*, doi:10.1016/j.aop.2021.168579.

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122. S. Habib Mazharimousavi, On the power-law Maxwell nonlinear electrodynamics, *Class. Quantum Grav. 37*, *197001 (2020)*, doi:10.1088/1361-6382/abb07b/meta.

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Conference presentations & talks

17. S. Habib Mazharimousavi, Topologically Quantized Black Hole, ***International Conference on Particle Physics and Cosmology***, October 2-October 7, 2023, Yerevan, Armenia**.**

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14. S. Habib Mazharimousavi, Black-hole solution in nonlinear electrodynamics with the maximum allowable symmetries, *19th Workshop on Quantization, Dualities and Integrable Systems,* April 23-April 25, 2021, University of Turkish Aeronautical Association, Ankara, Turkey**.**

13. S. Habib Mazharimousavi, Plenary speaker: Thin-shell formalism in general relativity, *4th International Conference of Mathematical Sciences (ICMS 2020),* June 17-June 21, 2020, Maltepe University, İstanbul, Turkey**.**

12. S. Habib Mazharimousavi, Thin-shell wormhole in $f(R)$ gravity, *3th International Conference of Mathematical Sciences (ICMS 2019),* September 5-September 8, 2019, Maltepe University, İstanbul Turkey**.**

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10. S. Habib Mazharimousavi, Absence of Buckling in Nerve Fiber, *The 10th Jubilee Conference of the Balkan Physical Union (BPU10),* August 26-August 30, 2018, Sofia, Bulgaria**.**

9. S. Habib Mazharimousavi, Rindler acceleration, *12th Workshop on QUANTIZATION, DUALITIES & INTEGRABLE SYSTEMS,* April 20-April 22, 2013, Koc University, Istanbul, Turkey**.**

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6. S. Habib Mazharimousavi, Higher dimensional thin-shell wormholes in Einstein-Yang-Mills-Gauss-Bonnet gravity, *10th Workshop on QUANTIZATION, DUALITIES & INTEGRABLE SYSTEMS,* April 22-April 24, 2011, Eastern Mediterranean University, Magusa, North Cyprus**.**

5. S. Habib Mazharimousavi, Higher dimensional Yang-Mills Black String Construction and its stability,
A topical conference on elementary particles, astrophysics, and cosmology, December 14-December 19, 2010, Department of Physics and the College of Arts and Sciences, University of Miami, USA**.**

4. S. Habib Mazharimousavi, Revisiting the dyonic Majumdar-Papapetrou black holes, *9th Workshop on QUANTIZATION, DUALITIES & INTEGRABLE SYSTEMS,* April 23-April 25, 2010, YEDİTEPE UNIVERSITY, ŞILE, ISTANBUL, Turkey**.**

3. S. Habib Mazharimousavi, Dynamic Domain Walls in Einstein-Yang-Mills-Dilaton Background,
8th Workshop on QUANTIZATION, DUALITIES & INTEGRABLE SYSTEMS, April 23-April 25, 2009, Ankara University, Tandoğan Campus, Ankara, Turkey**.**

2. S. Habib Mazharimousavi, Black Hole solutions in Einstein-Maxwell-Yang-Mills-Gauss-Bonnet Theory, *A topical conference on elementary particles, astrophysics, and cosmology,* December 16-December 21, 2008, Department of Physics and the College of Arts and Sciences, University of Miami, USA**.**

1. S. Habib Mazharimousavi, First-order intertwining operators with position dependent mass and η- weak-psuedo-Hermiticity generators, *6th international workshop on pseudo-Hermitian Hamiltonians in quantum physics,* July 16-July 18, 2008, City University London, UK**.**

Thesis supervision & co-supervision

Ph.D thesis

8. Keyvan Khatibi, *Finite and Large Deformation of Thin-Shells and Surfaces,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2026).

7. Huseyin Karyal, *Gravity in lower-dimensions,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2026).

6. Elham Poorkahnooji, *Quantum mechanics on curved spacetime,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2026).

5. M. Izadparast, *Non-Hermitian momentum operator*, Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2021).

4. Sara Kanzi, *Bosonic and Fermionic Graybody Factors of Four-Dimensional Black Holes in Various Theories,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2020).

3. S. N. Abtahi, Flexoelectric *Fluid Membranes in External Electric Fields*, Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2020).

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M.S. thesis

18. Kanishk Verma, *Einstein-Maxwell-Dilaton Theory,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2022).

17. Mahmud Farouk Rugga, *Noncommutative Quantum Mechanics,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2021).

16. Roza Raoufi, *Quantum Particle Constrained to a Curved Surface,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2021).

15. Khashayar Kianfar, *Thin-shell Wormholes in f(R) gravity,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2019).

14. Mohamed EM. F. Ali, *Kronig-Penney and Delta-Potential Models in Quantum Mechanics,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2018).

13. Sarbaz Nabi Hamad Amen, *Stability of Spherically Symmetric Timelike Thin-shells in General Relativity,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2017).

12. Asma Ali Abdulsalam Benghrian, *Generic Spherically Symmetric Thin-shells in General Relativity,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2017).

11. Mohammed Noor Sedeeq Rammoo, *The Exact Solutions in Quantum Mechanics,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2016).

10. Sara Kanzi, *Perihelion Precession in the Solar System,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2016).

9. Suleiman Bashir Adamu, *Quantum Particle in a PT-symmetric Well,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2014).

8. Ala Hamd Hssain, *Schrödinger Equation with Noninteger Dimensions,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2014).

7. Rafea Ismael Sulaiman, *Klein - Gordeon equation in 1+1 - Dimensions,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2014).

6. Zainab Sauod Muhmmed Alhmod, *Wave Propagation in an Inhomogeneous Matter,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2014).

5. Marzieh Parsa, *Gravitational lensing,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2013).

4. Ashwaq Eyad Kadhim Al-Aakol, *Position dependent mass quantum particle,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2013).

3. Yashar Alizadeh, *Nonlinear Electromagnetics in Flat and Curved Spacetime,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2013).

2. Morteza Kerachian, *Existence of reissner - nordström type black hole in f (R) gravity*, Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2013).

1. Ashkan Roozbeh, *Wave propagation in a medium with position-dependent permittivity and permeability,* Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2013).

B.S. thesis

1. Erfan Keshavarz, *One-dimensional quantum scattering from multiple Dirac delta potentials, A Python solution,* Eastern Mediterranean University, Department of Physics, Gazimağusa, North Cyprus (2023).

Editorial & referee

Referee:

Classical and Quantum Gravity, International Journal of Theoretical Physics, Advances in High Energy Physics, Modern Physics Lett. A, Gravitation and Cosmology, The European Physical Journal C, The European Physical Journal Plus, Physics Lett. A, Physics Lett. B, Physical Review D, Physica Scripta, Physics of the Dark Universe, Scientific Reports, General Relativity and Cosmology, Annalen der physik, Symmetry, Quantum Reports, Astrophysics and Space Science, Universe, Waves in Random and Complex Media.

Editor:

4. Black holes: Insight and Enigmas. Advances in high energy physics (*2018*).
3. Classical and Quantum Gravity and Its Applications. Advances in high energy physics (2017).
2. Global and Local Symmetry in Nonlinear & Linear Electrodynamics. Symmetry (2023).
1. Regular Black Holes. Frontiers in Astronomy and Spaces Cosmology (2023).

Honors, awards, and recognitions

(2026) Top 2% World's Most Influential Scientists List in Stanford University's Study
(2025) Top 2% World's Most Influential Scientists List in Stanford University's Study
(2024) Top 2% World's Most Influential Scientists List in Stanford University's Study
(2023) Top Researcher Award, Eastern Mediterranean University, Gazimağusa, North Cyprus,
(2023) The trusted reviewer of the journal Classical and Quantum Gravity,
(2023) Top 2% World's Most Influential Scientists List in Stanford University's Study
(2022) Top 2% World's Most Influential Scientists List in Stanford University's Study,
(2021) Top 2% World's Most Influential Scientists List in Stanford University's Study,
(2020) Top 2% World's Most Influential Scientists List in Stanford University's Study
(2022) Top Researcher Award, Eastern Mediterranean University, Gazimağusa, North Cyprus,
(2022) Top Publication Citation, Eastern Mediterranean University, Gazimağusa, North Cyprus,
(2021) Top Publication Citation, Eastern Mediterranean University, Gazimağusa, North Cyprus,

(2020) Top Research Incentive, Eastern Mediterranean University, Gazimağusa, North Cyprus,
(2020) Top Publication Citation, Eastern Mediterranean University, Gazimağusa, North Cyprus,
(2008) The best Ph.D. student completed the program with 15 published peer-reviewed papers in three years and a CGPA of 4.0/4.0, Eastern Mediterranean University, Gazimağusa, North Cyprus,
(2000) Top student in the national entrance exam to be awarded a fully funded PhD education abroad, Isfahan University, Isfahan Iran,
(1990) High school, National Physics Olympiad winner, Mazandaran, Iran,
(1988) The top talented student to be awarded the National School of Talented Students, Mazandaran, Iran.

Languages

Persian: Native.
Tabari (Mazani): Native.
English: reading (advance), writing (advance), and speaking (advance).
Turkish: reading (intermediate), writing (intermediate), and speaking (intermediate).
Arabic: reading (introductory), writing (introductory), and speaking (introductory).

