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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-Present *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-Present *Chairman of the graduate committee*, Department of Physics, Eastern Mediterranean University, Gazimağusa, North Cyprus.

## Research & publications

### Papers published in refereed journals

163. S. Habib Mazharimousavi, (2023) Asymptotically AdS-Schwarzschild black hole in Pure-Lovelock theory in 3+1-dimensions. *Annals of Physics* 459, 169491 (2023), doi:10.1016/j.aop.2023.169491.
162. S. Habib Mazharimousavi, (2023) A note on the stability of generic spherically symmetric thin-shell wormhole supported by a false vacuum. *Physics of the Dark Universe* 42, 101332 (2023), doi:10.1016/j.dark.2023.101332.
161. S. Habib Mazharimousavi, (2023) Vacuum traversable wormhole. *Physics of the Dark Universe* (Under consideration), doi:10.2139/ssrn.4577119.
160. S. Habib Mazharimousavi, Non spherically-symmetric black hole in Einstein-massless scalar theory. *Eur. Phys. J. C* (Under consideration), doi:10.48550/arXiv.2309.06571.
159. S. Habib Mazharimousavi, K. Verma, Magnetic black hole in Einstein-Dilaton-Square root nonlinear electrodynamics. *Annals of Physics* 457, 169439 (2023), doi:10.1016/j.aop.2023.169439.
158. S. Habib Mazharimousavi, Stability of the static-fluid cylindrical regular space-time. *Annals of Physics* 458, 169455 (2023), doi:10.1016/j.aop.2023.169455.
157. V. Memari, S Habib Mazharimousavi, Causal structure and the geodesics in the hairy extension of the Bertotti-Robinson space-time. *Phys. Scr.* 98, 075303 (2023), doi:10.1088/1402-4896/acdeb6.
156. S. Habib Mazharimousavi, M. Halilsoy, Topologically quantized Schwarzschild black hole. *Phys. Scr.* 98, 085007 (2023), doi:10.1088/1402-4896/ace28c.
155. S. Habib Mazharimousavi, M. Halilsoy, and Chia-Li Hsieh, Confinement and null-source collision in a particular 4-dimensional third-order Lovelock gravity. *Phys. Scr.* 98, 065220 (2023), doi:10.1088/1402-4896/acd033.
154. S. Habib Mazharimousavi, Quark-antiquark confinement and nonlinear electrodynamics. *Phys. Lett. B* 841, 137948 (2023), doi:10.1016/j.physletb.2023.137948.
153. S. Habib Mazharimousavi, Dirty black hole supported by a uniform electric field in Einstein-nonlinear electrodynamics-Dilaton theory. *Eur. Phys. J. C* 83, 406 (2023), doi:10.1140/epjc/s10052-023-11544-5.
152. S. Habib Mazharimousavi, Generalization of the Guendelman nonlinear electrodynamics model. *Phys. Scr.* 98, 015305 (2023), doi:10.1088/1402-4896/acad40.
151. S. Habib Mazharimousavi, Regular Electric Field in Electromagnetic Coupled to a Scalar Field. *Annal. der Phys.* 535, 1 (2023), doi:10.1002/andp.202200249.

150. S. Habib Mazharimousavi, The Bonnor-Melvin magnetic 2+1+p-brane solution in gravity coupled to nonlinear electrodynamics. *Phys. Scr.* 98, 015201 (2023), doi:[10.1088/1402-4896/aca43e](https://doi.org/10.1088/1402-4896/aca43e).
149. S. Habib Mazharimousavi, Static-fluid black hole and wormhole in three-dimensions, *Class. Quantum Grav.* 39, 237001 (2022), doi:[10.1088/1361-6382/ac9e3b](https://doi.org/10.1088/1361-6382/ac9e3b).
148. S. Habib Mazharimousavi, Classical and quantum particles in the brachistochrone upper half-space, *Eur. Phys. J. P*, 137, 1237 (2022), doi:[10.1140/epjp/s13360-022-03466-0](https://doi.org/10.1140/epjp/s13360-022-03466-0).
147. S. Danial Forghani, S. Habib Mazharimousavi, A closed universe: de Sitter cosmic gate, *Phys. Lett. B* 834, 137411 (2022), doi:[10.1016/j.physletb.2022.137411](https://doi.org/10.1016/j.physletb.2022.137411).
146. S. Habib Mazharimousavi, Regular black hole powered by a self-gravitating magnetic monopole, *Phys. Scr.* 97, 095205 (2022), doi:[10.1088/1402-4896/ac86ff/pdf](https://doi.org/10.1088/1402-4896/ac86ff/pdf).
145. Z. Amirabi and S. Habib Mazharimousavi, Thin-shell wormhole supported by exotic dust in gravity coupled with nonlinear electrodynamics, *Phys. Scr.* 97, 095301 (2022), doi:[10.1088/1402-4896/ac831e/pdf](https://doi.org/10.1088/1402-4896/ac831e/pdf).
144. S. Habib Mazharimousavi, Power Maxwell nonlinear electrodynamics and the singularity of the electric field, *Mod. Phys. Lett. A* 37, 2250170 (2022), doi:[10.1142/S021773232250170X](https://doi.org/10.1142/S021773232250170X).
143. S. Habib Mazharimousavi, Hairy extension of the Bertotti-Robinson space-time in the Einstein-Maxwell-scalar theory is a black hole in closed spatial geometries, *Class. Quantum Grav.* 39, 167001 (2022), doi:[10.1088/1361-6382/ac8141/meta](https://doi.org/10.1088/1361-6382/ac8141/meta).
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141. M. Halilsoy and S. Habib Mazharimousavi, Note on the Levi-Civita metric, *Int. J. Geom. Meth. Mod. Phys.*, 19, 2250166 (2022), doi:[10.1142/S0219887822501663](https://doi.org/10.1142/S0219887822501663).
140. S. Habib Mazharimousavi, Non-asymptotically flat Einstein-Scalar black hole, *Phys. Scr.* 97, 075001 (2022), doi:[10.1088/1402-4896/ac7360](https://doi.org/10.1088/1402-4896/ac7360).
139. S. Habib Mazharimousavi, Thin-shell wormhole satisfying the null-energy condition unconditionally, *Eur. Phys. J. C* 82, 496 (2022), doi:[10.1140/epjc/s10052-022-10459-x](https://doi.org/10.1140/epjc/s10052-022-10459-x).
138. S. Habib Mazharimousavi, Massless charged wormhole solution in Einstein-Maxwell-Scalar theory, *Eur. Phys. J. C* 82, 238 (2022), doi:[10.1140/epjc/s10052-022-10198-z](https://doi.org/10.1140/epjc/s10052-022-10198-z).
137. M. Halilsoy, S. Motallebi and S. Habib Mazharimousavi, Colliding wave solutions in 2 + 1-dimensions, *Eur. Phys. J. C* 82, 315 (2022), doi:[10.1140/epjc/s10052-022-10286-0](https://doi.org/10.1140/epjc/s10052-022-10286-0).

136. S. Habib Mazharimousavi, Revisiting the nonsingular black holes in the 4-dimensional regularized Lovelock gravity, *Eur. Phys. J. Plus* 137, 595 (2022), doi: [10.1140/epjp/s13360-022-02818-0](https://doi.org/10.1140/epjp/s13360-022-02818-0).
135. S. Habib Mazharimousavi, Quantum particle on a surface: Catenary surface and paraboloid of revolution, *Phys. Scr.* 96, 125245 (2021), doi: [10.1088/1402-4896/ac326f/meta](https://doi.org/10.1088/1402-4896/ac326f/meta).
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](https://doi.org/10.1142/S0219887821501553).
133. S. Habib Mazharimousavi, Note on classical field theory for the non-Hermitian Schrödinger equation with position-dependent masses, *Eur. Phys. J. Plus* 136, 807 (2021), doi: [10.1140/epjp/s13360-021-01822-0](https://doi.org/10.1140/epjp/s13360-021-01822-0).
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](https://doi.org/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](https://doi.org/10.1016/j.aop.2021.168579).
130. S. Habib Mazharimousavi and M. Halilsoy, Interpolation of Schwarzschild and de Sitter spacetimes by a cosmological fluid, *Phys. Scr.* 96, 065208 (2021), doi: [10.1088/1402-4896/abf0d3/meta](https://doi.org/10.1088/1402-4896/abf0d3/meta).
129. I. Gullu and S. Habib Mazharimousavi, Black holes in double-Logarithmic nonlinear electrodynamics, *Phys. Scr.* 96, 095213 (2021), doi: [10.1088/1402-4896/ac098f/meta](https://doi.org/10.1088/1402-4896/ac098f/meta).
128. S. Habib Mazharimousavi, A regular universe filled with uniform electric and magnetic field, *Eur. Phys. J. Plus* 136, 285 (2021), doi: [10.1140/epjp/s13360-021-01264-8](https://doi.org/10.1140/epjp/s13360-021-01264-8).
127. I. Gullu and S. Habib Mazharimousavi, Black holes in double-Logarithmic nonlinear electrodynamics, *Phys. Scr.* 96, 045217 (2021), doi: [10.1088/1402-4896/ac098f/meta](https://doi.org/10.1088/1402-4896/ac098f/meta).
126. Z. Amirabi and S. Habib Mazharimousavi, Black-hole solution in nonlinear electrodynamics with the maximum allowable symmetries, *Eur. Phys. J. C* 81, 207 (2021), doi: [10.1140/epjc/s10052-021-08995-z](https://doi.org/10.1140/epjc/s10052-021-08995-z).
125. S. Danial Forghani, S. Habib Mazharimousavi, Higher-dimensional particle model in pure Lovelock gravity, *Mod. Phys. Lett. A* 38, 2050317 (2020), doi: [10.1142/S0217732320503174](https://doi.org/10.1142/S0217732320503174).
124. S. Kanzi, S. Habib Mazharimousavi, I. Sakalli, Greybody factors of black holes in dRGT massive gravity coupled with nonlinear electrodynamics, *Ann. Phys.* 422, 168301 (2020), doi: [10.1016/j.aop.2020.168301](https://doi.org/10.1016/j.aop.2020.168301).
123. S. Danial Forghani, S. Habib Mazharimousavi, Thin-shell wormholes with ordinary matter in pure Gauss–Bonnet gravity, *Journal of Cosmology and Astroparticle Physics* 11, 018 (2020), doi: [10.1088/1475-7516/2020/11/018](https://doi.org/10.1088/1475-7516/2020/11/018).

122. S. Habib Mazharimousavi, On the power-law Maxwell nonlinear electrodynamics, *Class. Quantum Grav.* 37, 197001 (2020), doi:[10.1088/1361-6382/abb07b/meta](https://doi.org/10.1088/1361-6382/abb07b/meta).
121. M. Izadparast and S. Habib Mazharimousavi, PT-symmetric momentum operator and bound states, *Phys. Scr.* 95, 105216 (2020), doi:[10.1088/1402-4896/abb85c](https://doi.org/10.1088/1402-4896/abb85c).
120. S. Habib Mazharimousavi, M. Halilsoy, n+1-Dimensional Bertotti–Robinson solutions in gravity coupled with nonlinear electrodynamics, *Class. Quantum Grav.* 37, 177001 (2020), doi:[10.1088/1361-6382/aba222/meta](https://doi.org/10.1088/1361-6382/aba222/meta).
119. P. Dehghani, S. Habib Mazharimousavi, S. Danial Forghani, Behavior of a free quantum particle in the Poincaré upper half-plane geometry, *Ann. Phys.* 419, 168234 (2020), doi:[10.1016/j.aop.2020.168234](https://doi.org/10.1016/j.aop.2020.168234).
118. S. Danial Forghani, S. Habib Mazharimousavi, M. Halilsoy, Higher-dimensional particle model in third-order Lovelock gravity, *Eur. Phys. J. Plus* 135, 581 (2020), doi:[10.1140/epjp/s13360-020-00602-6](https://doi.org/10.1140/epjp/s13360-020-00602-6).
117. M. Izadparast and S. Habib Mazharimousavi, Generalized Extended Momentum Operator, *Phys. Scr.* 95, 075220 (2020), doi:[10.1088/1402-4896/ab97cf/meta](https://doi.org/10.1088/1402-4896/ab97cf/meta).
116. S. Habib Mazharimousavi and M. Halilsoy, Colliding waves in a model of nonlinear electrodynamics, *Class. Quantum Grav.* 37 137001 (2020), doi:[10.1088/1361-6382/ab9516](https://doi.org/10.1088/1361-6382/ab9516).
115. S. Danial Forghani, S. Habib Mazharimousavi, M. Halilsoy, Thin-shell wormhole satisfying energy conditions, *Phys. Lett. B* 804, 135374 (2020), doi:[10.1016/j.physletb.2020.135374](https://doi.org/10.1016/j.physletb.2020.135374).
114. S. Habib Mazharimousavi, M. Halilsoy and K. Kianfar, Thin-shell wormholes in  $f(R)$ -gravity coupled with nonlinear electrodynamics, *Eur. Phys. J. Plus* 135, 440 (2020), doi:[10.1140/epjp/s13360-020-00439-z](https://doi.org/10.1140/epjp/s13360-020-00439-z)
113. S. Habib Mazharimousavi, Regular electric black hole in 2+1-dimensions Einstein-nonlinear electrodynamics, *Ann. Phys.* 416, 168145 (2020), doi:[10.1016/j.aop.2020.168145](https://doi.org/10.1016/j.aop.2020.168145).
112. M. Izadparast and S. Habib Mazharimousavi, Two-dimensional non-Hermitian harmonic oscillator: coherent states, *Phys. Scr.* 94, 115215 (2019), doi:[10.1088/1402-4896/ab240b/meta](https://doi.org/10.1088/1402-4896/ab240b/meta).
111. S. Habib Mazharimousavi and M. Halilsoy, Electric Black Holes in a Model of Nonlinear Electrodynamics, *Ann. Phys. (Berlin)* 531, 1900236 (2019), doi:[10.1002/andp.201900236?af=R](https://doi.org/10.1002/andp.201900236?af=R).
110. S. Danial Forghani, S. Habib Mazharimousavi, M. Halilsoy, Cylindrical asymmetric thin-shell wormholes, *Journal of Cosmology and Astroparticle Physics* 10, 1067 (2019), doi:[10.1088/1475-7516/2019/10/067/meta](https://doi.org/10.1088/1475-7516/2019/10/067/meta).

109. S. Habib Mazharimousavi and M. Halilsoy, Stable thin-shells from 5-dimensional extremal Einstein–Yang–Mills fields, *International Journal of Geometric Methods in Modern Physics* 16, 1950148 (2019), doi:10.1142/S0219887819501482.
108. S. Habib Mazharimousavi and M. Halilsoy, Note on regular magnetic black hole, *Phys. Lett. B* 796, 123 (2019), doi:10.1016/j.physletb.2019.07.034.
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105. S. Danial Forghani, S. Habib Mazharimousavi, M. Halilsoy, Discontinuity problem in the linear stability analysis of thin-shell wormholes, *Eur. Phys. J. Plus* 134, 342 (2019), doi:10.1140/epjp/i2019-12771-2.
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102. S. Habib Mazharimousavi and M. Halilsoy, Absence of buckling in nerve fiber, *AIP Conference Proceedings* 2075, 090028 (2019), doi:10.1063/1.5091242.
101. S. Habib Mazharimousavi and M. Halilsoy, Interpolating the Schwarzschild and de Sitter metrics, *International Journal of Modern Physics D* 28, 1950038 (2019), doi:10.1142/S021827181950038X.
100. S. Habib Mazharimousavi and M. Halilsoy, Global Monopole metric in 2+1-dimensions, *International Journal of Geometric Methods in Modern Physics* 16, 1950006 (2019), doi:10.1142/S0219887819500063.
99. S. Danial Forghani, S. Habib Mazharimousavi, M. Halilsoy, Fate of a Thin-Shell Wormhole Powered by Morris-Thorne Wormhole, *Eur. Phys. J. Plus*, 133, 497 (2018), doi:10.1140/epjp/i2018-12409-y.
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97. S. Habib Mazharimousavi, A note on thin-shell wormholes with charge in  $F(R)$ -gravity, *Eur. Phys. J. C* 78, 612 (2018), doi:10.1140/epjc/s10052-018-6095-3.

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95. S. Habib Mazharimousavi and M. Halilsoy, Regularization of the Reissner-Nordström black hole, *Eur. Phys. J. Plus*, 133, 386 (2018), doi:10.1140/epjp/i2018-12194-7.
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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.

16. S. Habib Mazharimousavi, Generalization of the Guendelman nonlinear electrodynamics, *11th International Conference of the Balkan Physical Union (BPU11 Congress), organized by the Balkan Physical Union*, August 28-September 1, 2022, Belgrade, Serbia.

15. S. Habib Mazharimousavi, Quantum particle on a surface, *5th International Conference of Mathematical Sciences (ICMS 2021)*, June 23-June 27, 2021, Maltepe University, İstanbul, Turkey.

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.

11. S. Habib Mazharimousavi, Geometric model of particles, *The International Workshop Supersymmetries and Quantum Symmetries: SQS'19* August 26-August 30, 2018, Yerevan, Armenia.

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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.
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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, ŞİLE, 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  $\eta$ -weak-pseudo-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 (2024).
7. Huseyin Karyal, *Gravity in lower-dimensions*, Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2024).
6. Elham Poorkahnooji, *Quantum mechanics on curved spacetime*, Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2024).
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).
2. S. Danial Forghani, *Asymmetric Thin Shell Wormholes*, Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2019).
1. Ali Ovgun, *Studies on Thin-Shells and Thin-Shell Wormholes*, Eastern Mediterranean University, Graduate Institute, Gazimağusa, North Cyprus (2016).

### **M. Sc. 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 Benthrian, *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 Muhmmmed 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. Sc. 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

- 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).