

## ÖZGEÇMİŞ

1. **Adı Soyadı** : Mustafa HALİLİSOY
2. **Doğum Tarihi** : Şubat 25, 1949
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5. **Çalıştığı Kurum** : Doğu Akdeniz Üniversitesi

Derece	Alan	Üniversite	Yıl
Lisans	Teorik fizik	ODTÜ, Ankara-TÜRKİYE	1973
Y. Lisans	Teorik fizik	ODTÜ, Ankara-TÜRKİYE	1975
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### 5. Akademik Unvanlar

- Yardımcı Doçentlik Tarihi : 1978  
Doçentlik Tarihi ve alanı : 1984  
Profesörlük Tarihi : 1988

### 6. Yönetilen Yüksek Lisans ve Doktora Tezleri

#### 6.1.

1. Ahmed Al-Badawi: "Particle Wave Collision in General Relativity", 1994.
2. Murad Qubbaj: "The Visual Appearance of Rapidly Moving Objects", 1995.
3. Maen Odeh: "Specular Reflection of Light Off Light", 1997.
4. Mehmet Kuşaf: "The Physics of Tachyons", 1998.
5. Mehmet Ali Süzen: "The Chaotic Behavior of Geodesics in Non-Homogenous Vacuum pp-wave Solutions", 2000.
6. Hamide Güzen: "Einstein's Four Tests of Gravity", 2000.
7. İzzet Sakallı: "Particle Motion in a Uniform Electromagnetic Universe", 2000.
8. Halil Alkım: "The Black Holes", 2002.
9. Elif Halilsoy: "Linear Dilaton Black Holes and Colliding Waves", 2004.
10. Bosaina Nazzal: "Physics of Tsunamis", 2007.
11. Mehmet Z. Yetik: "Introduction to Lighting" 2008.
12. Zahra Amirabi: "Spacetime Wormholes" 2008.
13. Ali Övgün: "Dark Matter; Modification of F(R) or Wimps Miracle", 2013.
14. Najm Abdola Saleh "Physics on the Rotating Earth", 2013.
15. Jo-Kim Dauda Sharon "Geodesics on Cosmic Landscapes of Colliding Plane" 2015.

#### 6.2. Doktora Tezleri:

1. Özey Gürtuğ: "New Extensions of the Colliding Wave Solutions in General Relativity", 1997.
2. Ahmed Al-Badawi: "Mass in a Uniform Electric Field and Energy Amplification in General Relativity", 1998.
3. İzzet Sakallı: "Solution of the Dirac Equation in the Non-Asymptotically Flat Geometries", 2004.
4. Alireza Lajevardipour: "Thermomechanical Properties of Grapheme, ....." 2012.
5. Hale Paşaoğlu: "Information Loss Problem in Linear Dilaton Black Holes" 2012.
6. Zahra Amirabi: "Stability of Space – time Wormholes" 2012.
7. Ali Övgün: "Studies on Thin-shells and Thin-shell Wormholes" 2016.

### 7. Yayınlar

#### 7.1.

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Gravitational Waves”

- 2) M.Gurses and M.Halil, Phys. Lett. 68A, 1982-1985 (1978). “PP-Waves in the Generalized Einstein Theories”
- 3) M.Halil, Phys. Rev. D18, 1272-1276 (1978). “Simple Model for Vector Bosons”
- 4) M.Halil, Jour. Math. Phys. 20, 120-126 (1979). “Colliding Plane Gravitational Waves”
- 5) C.Yalcin, M.Halil and E.Aksahin, Physica Scripta 20, 36-39 (1979). “The ChargeAsymmetry of Two Nucleon Interaction in Nuclear Forces”
- 6) M.Gurses and M.Halil, Lett. Nuovo Cimento 27, 562-565 (1980). “On the Connection for the Brans-Dicke-Jordan Theory”
- 7) M.Halilsoy, Phys. Lett. 84A, 359-360 (1981). “Comment on Colliding Plane Gravitational Waves”
- 8) M.Halilsoy, Phys. Lett. 84A, 404-406 (1981). “A Method for Generating New Solutions in General Relativity”
- 9) M.Halil, International Jour. Theo. Phys. 20, 911-919 (1981). “Particle Motion in BS Space-Time”
- 10) M.Gurses and M.Halilsoy, Lett. Nuovo Cimento 34, 588-592 (1982). “Interacting Superposed Shock Electromagnetic Waves”
- 11) M.Halilsoy, Lett. Nuovo Cimento 37, 231-236 (1983). “Similarity Solution of Ernst Equation With Electromagnetic Fields”
- 12) M.Halilsoy, Gen. Rel. Grav. 15, 1115-1120 (1983). “On the Generation of a Class of Einstein-Maxwell Solutions”
- 13) M.Halilsoy, Lett. Nuovo Cimento 44, 88-90 (1985). “A Class of Transcendent Solution to Ernst System”
- 14) M.Halilsoy, Lett. Nuovo Cimento 44, 544-547 (1985). “Scalar Plane Waves in General Relativity”
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- 16) M.Halilsoy, Europhysics Lett. 1, 375-377 (1986). “On a Class Transcendent Solution in EM Theory”
- 17) M.Halilsoy, Phys. Rev. D33, 3127-3129 (1986). “Similarity Solutions for Self-Dual SU(2) Fields”
- 18) M.Halilsoy, Il Nuovo Cimento 99B, 95-101 (1987). “Interacting EM Waves in General Relativity”
- 19) A. M.Saatci and M.Halilsoy, The Chem. Engg. Jour. 34, 147-150 (1987). “A New Solution of the Deep Bed Filtration”
- 20) A. M.Saatci and M.Halilsoy, Jour. Of the Envir. Engg. Division American Society Of Civil Engg. 113, 675-678 (1987). “Critique of Camp and Steins’s RMS Velocity Gradients”
- 21) M.Halilsoy, Jour. Math. Phys. 29, 320-326 (1988). “Studies in Space-Times Admitting Two Space-Like Killing Vectors”
- 22) M.Halilsoy, Phys. Rev. D37, 2121-2126 (1988). “Colliding EM Shock Waves in General Relativity”
- 23) M.Halilsoy, Phys. Rev. D38, 2979-2985 (1988). “Distinct Family of Colliding Waves in General Relativity”
- 24) M.Halilsoy, Il Nuovo Cimento 102B, 563-571 (1988). “Cross-Polarized Cylindrical Gravitational Waves of Einstein and Rosen”
- 25) M.Halilsoy, Phys. Rev. D39, 2172-2178 (1989). “Colliding Superposed Waves in EM Theory”
- 26) M.Halilsoy, Engg. Sci. 1, 1-15 (1989). “Similarity Analysis for the Gravitational Field”
- 27) M.Halilsoy, Jour. Math. Phys. 31, 2694-2698 (1990). “Large Family of Solutions In the EM Theory”
- 28) M.Halilsoy, M.Arafah and S.Fakioglu, Phys. Rev. D42, 437-441 (1990). “Exact Faraday Rotation in the Cylindrical EM Waves”

- 29) M.Halilsoy, Phys. Rev. D42, 2922-2923 (1990). "Colliding Impulsive Waves in Succession"
- 30) M.Halilsoy, Phys. Lett. A 151, 205-209 (1990). "Separable Wave Equation in the Space of Colliding Waves"
- 31) E.Aydiroglu and M.Halilsoy, Phys. Lett. A 168, 245-248 (1992). "Self-Focusing Of Laser Beams in Analogy of Gravitational Waves"
- 32) M.Halilsoy, Jour. Math. Phys. 33, 4225-4230 (1992). "New Metrics for Spinning Spheroids"
- 33) M.Halilsoy and M.El-Said, Gen.Rel.Grav. 25, 81-86 (1993). "The Physical Interpretation of a Painleve's Transcendent Space-Time"
- 34) M.Halilsoy, Gen.Rel.Grav. 25, 275-280 (1993). "Interpolation of th Schwarzschild and BR Solutions"
- 35) M.Halilsoy, Jour. Math. Phys. 34, 3553-3554 (1993). "Note on Large Family of CGW in EM Theory"
- 36) M.Halilsoy, Gen.Rel.Grav. 25, 975-980 (1993). "Effects on Planetary Motion of An External EM Field"
- 37) M.Halilsoy, Gen.Rel.Grav. 26, 213-218 (1994). "Colliding EM Waves that Admit Separable Wave Equation"
- 38) M.Halilsoy and O.Gurtug, Il Nuovo Cimento 109B, 963-970 (1994). "On Some Properties of the NUT-Curzon Space-Time"
- 39) M.Halilsoy and A. Al-Badawi, Class. Quantum. Grav. 12, 3013-3017 (1995). "Metric for a Static Mass Coupled to Stationary EM Field"
- 40) M.Halilsoy, Class. Quantum. Grav. 14, 2231-2236 (1997). "Test Field in sandwich Wave Space-Time"
- 41) M.Halilsoy and A. Al-Badawi, Il Nuovo Cimento 113B, 761-766 (1998). "Modified RN Metric in an External Electrostatic Field"
- 42) M.Halilsoy and O.Gurtug, Il Nuovo Cimento 113B, 69-76 (1998). "New Colliding Wave Solutions in the Einstein-Abelian Gauge and EM-Dilaton Theory"
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- 44) M.Halilsoy and A. Al-Badawi, Il Nuovo Cimento 114B, 235-241 (1999). "Interaction of Successive EM Waves in GRT"
- 45) M.Halilsoy, Il Nuovo Cimento 115B, 559-565 (2000). "Collision of an EM Wave With a Dust Shell"
- 46) M.Halilsoy, Jour. Math. Phys. 41, 8351-8354 (2000). "Comment on Colliding Null Shells of Matter"
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- 53) A. Al-Badawi and M.Halilsoy, Il Nuovo Cimento, 119B, 931 (2004). "Revisiting The rotating BR electromagnetic universe"
- 54) E.Halilsoy, M.Halilsoy and O.Unver, Jour. Math. Phys. 47, P. (2006). "Colliding Wave solutions from 5-dimensional black holes and black p-branes"
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- 57) A. Al-Badawi and M. Halilsoy, Gen. Rel. Grav. 38,1729 (2006), “On the Physical Meaning of the NUT Parameter”.
- 58) M. Halilsoy and O. Gurtug, Phys. Rev. D75, 124021 (2007). “Search for Gravitational waves through the E. m Faraday Rotation”
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- 61) S. H. Mazharimousavi and M. Halilsoy, Phys. Lett B 665 (2008) 125-130. “Higher dimensional Yang-Mills black holes in third order Lovelock gravity”
- 62) S. H. Mazharimousavi, M. Halilsoy and Z. Amirabi, Phys. Rev. D78, 064050 (2008). “New non-Abelian black hole solutions in Born-Infeld gravity”
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140) Thin-shell wormholes in rainbow gravity By: Amirabi, Z.; Halilsoy, M.; Mazharimousavi, S. Habib MODERN PHYSICS LETTERS A Volume: 33 Issue: 9 Article Number: 1850049 Published: MAR 21 2018

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MAY 2018

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145) S. Habib Mazharimousavi and M. Halilsoy, International Journal of Modern Physics D 28, 1950038 (2019).

### 7.3.

1. S. Habib Mazharimousavi, M. Halilsoy, "Absence of Buckling in Nerve Fiber" The 10th International Physics Conference of the Balkan Physical Union (BPU10), 26-30 August 2018. To be published in AIP Conference Proceedings.

## 8. Projeler

## 9. İdari Görevler:

2005-2017 Chairman of Dept of Physics and Chemistry, EMU, Famagusta TRNC

## 10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

## 11. Ödüller

## 12. Son iki yılda verdiğiniz lisans ve lisansüstü düzeydeki dersler için aşağıdaki tabloyu doldurunuz.

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2017-18	Güz	PHYS102 Physics II (3)	4	2	42
		PHYS102 Physics II (4)	4	2	44
		PHYS522 Electromagnetic Theory – I	3	0	1
		PHYS611 Mathematical Methods for Engineers and Scientists – II	3	0	4
		PHYS500 Master Thesis	3	0	1
		PHYS500 Master Thesis	0	0	1
	İlkbahar	PHYS102 Physics II (3)	4	2	50
		PHYS102 Physics II (4)	4	2	42
		PHYS521 Classical Mechanics – I	3	0	1
		PHYS522 Electromagnetic Theory - I	3	0	1
		PHYS622 Electromagnetic Theory – II	3	0	1
		PHYS500 Master Thesis	0	0	1
2016-17	Güz	PHYS102 Physics - II (3)	4	2	51
		PHYS521 Classical Mechanics – I	3	0	2
		PHYS621 Classical Mechanics – II	3	0	7
	İlkbahar	PHYS102 Physics II (3)	4	2	50
		PHYS102 Physics II (4)	4	2	56
		PHYS622 Electromagnetic Theory – II	3	0	6

**Not:** Açılışsa, yaz döneminde verilen dersler de tabloya ilave edilecektir.