

Huriye Gürsel Mangut



PERSONAL DETAILS

Birth August 15, 1991
Phone +90-392-630-1061
Mail huriye.gursel@emu.edu.tr
Title Assistant Professor

RESEARCH INTEREST

Aspects of Black Holes, Holographic Principle, String Theory and Quantum Gravity.

EDUCATION

Doctor of Philosophy in Physics 2015 - 2020

Eastern Mediterranean University, Famagusta, North Cyprus

Thesis Title: Black Hole Evaporation

Supervisor: Prof. Dr. İzzet SAKALLI

Master of Science in Physics 2013 - 2015

Eastern Mediterranean University, Famagusta, North Cyprus

Thesis Title: Hawking Radiation of Warped Anti de Sitter and Rotating Hairy Black Holes with Scalar Hair

Supervisor : Prof. Dr. İzzet SAKALLI

Bachelor of Science in Physics 2009- 2013

University of Sussex, Brighton, United Kingdom

TEACHING EXPERIENCE

- Teaching Assistant in Physics at Eastern Mediterranean University (as an MSc and PhD student) for undergraduate students studying in the Departments of Engineering, Mathematics, Molecular Biology & Genetics, and Pharmacy. Taken part as a tutor in both the laboratory and tutorial sessions of the courses provided below.

PHYS101 2013 - 2020

Physics I: Mechanics

PHYS102 2013 - 2020

Physics II: Thermodynamics and Electromagnetism

PHYS111 2013 - 2020

Principles of Physics

FIZK103

2013 - 2020

Fizik I: Mekanik

FIZK104

2013 - 2020

Fizik II: Termodinamik ve Elektromanyetizma

PHYS119

2019 - 2020

Biophysics

- Instructor in Physics at Eastern Mediterranean University (as a qualified PhD student) for undergraduate students from a variety of departments.

SCI 111

2017 - 2019

Exploration of the Universe

PHYS111

2017 - 2018

Principles of Physics

PHYS101

2018 - 2019

Physics I: Mechanics

FIZK 201

2019 - 2020

Fizik I: Mekanik

- Part Time Lecturer in Physics at Eastern Mediterranean University

PHYS 101

2020 - 2021

Physics I: Mechanics

FIZK 109

2020 - 2021

Fizyoterapi Bölümü için Temel Fizik

FIZK 105

2020 - 2021

Radyoterapi Bölümü için Temel Fizik

SCI 111

2020 - 2021

Exploration of the Universe

Table 1: Teaching

Course	Academic Year	Term	Weekly Hour (Lecture and Tutorial)		
PHYS 101 – Gr.09	2020-2021	Fall	6	4	2
FIZK 109 – Gr.02	2020-2021	Fall	6	4	2
FIZK 105	2020-2021	Fall	3	3	-
SCI 111	2020-2021	Fall	3	2	1

- Part Time Physics A-Level Teacher in Gazimagusa Turk Maarif College

Edexcel International A Level

2020 - 2021

Unit 4: Further Mechanics, Fields, and Particles

- Full Time Lecturer in Physics at Eastern Mediterranean University

PHYS101

Physics I: Mechanics

PHYS102

Physics II: Thermodynamics and Electromagnetism

FIZK 103

Fizik 1: Mekanik

FIZK104

Fizik II: Termodinamik ve Elektromanyetizma

PHYS204

Modern Physics

Table 2: Teaching

Course	Academic Year	Term	Weekly Hour (Lecture and Tutorial)		
PHYS 102 – Gr.03	2020-2021	Spring	6	4	2
PHYS 102 – Gr.05	2020-2021	Spring	6	4	2
FIZK 104 – Gr. 01	2020-2021	Spring	6	4	2

Table 3: Teaching

Course	Academic Year	Term	Weekly Hour (Lecture and Tutorial)		
FIZK 103 – Gr. 01	2021 – 2022	Fall	6	4	2
PHYS 101 – Gr. 09.	2021 – 2022	Fall	6	4	2
PHYS 102 – Gr. 04	2021 – 2022	Fall	6	4	2

Table 4: Teaching

Course	Academic Year	Term	Weekly Hour (Lecture and Tutorial)		
PHYS 204 – Gr. 01	2021 – 2022	Spring	6	4	2
FIZK 104 – Gr. 01	2021 – 2022	Spring	6	4	2
PHYS 102 – Gr. 04	2021 – 2022	Spring	6	4	2

Table 5: Teaching

Course	Academic Year	Term	Weekly Hour (Lecture and Tutorial)		
FIZK 103 – Gr. 01	2022 – 2023	Fall	6	4	2
PHYS 101 – Gr. 09	2022 – 2023	Fall	6	4	2
PHYS 102 – Gr. 04	2022 – 2023	Fall	6	4	2
FIZK 109 – Gr. 01	2022 – 2023	Fall	6	4	2

PUBLICATIONS IN PEER REVIEWED JOURNALS

1. Hawking Radiation of Massive Vector Particles From Warped AdS_3 Black Hole, **H. Gürsel** and I. Sakallı, Can. J. Phys. 93, 1 (Oct 2015), [SCI].

2. Quantum Tunneling from Rotating Black Holes with Scalar Hair in Three Dimensions, I. Sakallı, **H. Gürsel**, European Physical Journal C Volume: 76 Issue: 6 Article Number: 318 (Jun 2016), [SCI].

3. Absorption Cross-Section and Decay Rate of Dilatonic Black Strings, **H. Gürsel** and İ. Sakallı, *Advances in High Energy Physics Volume 2018*, (Oct 2018), [SCI].
4. Linear Stability of Mandal-Sengupta-Wadia Black Holes, **H. Gürsel**, G. Tokgöz and İ. Sakallı, *Modern Physics Letters A*, (Mar 2019), [SCI].
5. Greybody Factors of Holographic Superconductors with $z = 2$ Lifshitz Scaling, **H. Gürsel** and İ. Sakallı, *European Physical Journal C*, 80(3), (Mar 2020), [SCI].
6. Holographic Dissipative Properties of Non-relativistic Black Branes with Hyperscaling Violation, **H. Gürsel**, M. Mangut, and İ. Sakallı, *European Physical Journal Plus*, 136(9), (Jan 2021), [SCI].
7. Gravitational Lensing in Kerr–Newman Anti de Sitter Spacetime, M. Mangut, **H. Gürsel** and İ. Sakallı, *Astroparticle Physics*, 144(6):102763, (July 2022), [SCI].

RELEVANT EXPERIENCE

Final Year Project on Theoretical Physics <i>University of Sussex, Brighton, United Kingdom</i> Aspects of Magnetic Monopoles	2013
Organization Committee Member at Physics Workshop <i>Eastern Mediterranean University, Famagusta, N. Cyprus</i> Quantization, Dualities, and Integrable Systems	2016
Instructor at Astronomy Summer Schools 1 & 2 <i>Eastern Mediterranean University, Famagusta, N. Cyprus</i>	2018
Moderator at Physics Days <i>Eastern Mediterranean University, Famagusta, N. Cyprus</i>	2017 & 2019

CERTIFICATES

Physics Days Moderator & Speaker Certificates <i>Eastern Mediterranean University, Famagusta, N. Cyprus</i> Title of the Speech: Hawking Radiation of Rotating Hairy Black Holes with Scalar Hair	2017
Astronomy Summer School 1 - Educator Certificate <i>Eastern Mediterranean University, Famagusta, N. Cyprus</i>	2018
Physics Days Moderator & Speaker Certificates <i>Eastern Mediterranean University, Famagusta, N. Cyprus</i> Title of the Speech: AdS/CMT Correspondence for Lifshitz-like Black Holes	2019
Astronomy Summer School 2 - Educator Certificate <i>Eastern Mediterranean University, Famagusta, N. Cyprus</i>	2019

Health and Safety Certificate for Laboratories 2019
Eastern Mediterranean University, Famagusta, N. Cyprus

First Aid Certificate 2019
Eastern Mediterranean University, Famagusta, N. Cyprus

Astronomy Summer School 3 - Educator Certificate 2022
Eastern Mediterranean University, Famagusta, N. Cyprus

CONFERENCES

Brighton and Sussex Research Seminars in Critical Thought 2012
University of Sussex, Brighton, United Kingdom

Quantization, Dualities, and Integrable Systems 2015
Eastern Mediterranean University, Famagusta, N.Cyprus

Physics Seminars 2016
Eastern Mediterranean University, Famagusta, N.Cyprus

1st Physics Days 2017
Eastern Mediterranean University, Famagusta, N.Cyprus

Yüksek Enerji Fiziği Astrofizik ve Kozmoloji Çalıştayı 2019
İstanbul University, İstanbul, Turkey

2nd Physics Days 2019 2019
Eastern Mediterranean University, Famagusta, N.Cyprus

Astronomide Derin Öğrenme ve Yapay Zeka 2020
Ege University, İzmir, Turkey (online due to COVID-19)

Workshop on Quantization, Dualities, and Integrable Systems 2021
University of Turkish Aeronautical Association, Ankara, Turkey (online due to COVID-19)

Madrid Winter Workshop 2022
Complutense University of Madrid, Madrid, Spain

COMPUTATIONAL SKILLS

MATLAB: Intermediate

MAPLE: Advanced

LaTeX: Expert

Microsoft Office: Expert

LANGUAGES

Turkish: Native

English: Advanced

German: Conversational

Persian: Conversational

Italian: Beginner

