

Asst. Prof. SABA ARİFE BOZPOLAT

Personal Information

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International Researcher IDs

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Education

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Physics, Turkey 2014 - 2020

Postgraduate, Ankara University, Institute Of Science, Fizik Mühendisliği (YI) (Tezli), Turkey 2010 - 2014

Undergraduate, Ankara University, Fen Fakültesi, Fizik Bölümü, Turkey 2006 - 2010

Foreign Languages

German, A1 Beginner

English, C2 Mastery

Spanish, A1 Beginner

Italian, A1 Beginner

Certificates, Courses and Trainings

IT, Womanium Quantum 2022: Quantum Hackathon, Womanium Association, 2022

IT, Womanium Quantum 2022: Global Quantum Computing & Entrepreneurship Program, Womanium Association, 2022

IT, QCourse570-1 Projects in Quantum, QWorld Association, 2022

IT, Global Quantum Programming Workshop | QSilver, QWorld Association, 2021

IT, QBronze54 | Quantum Computing and Programming, QTurkey Association, 2021

Dissertations

Doctorate, Directional dissociation of molecules by spatially and temporally modified laser fields, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Physics, 2020

Postgraduate, Alternatif Kütleçekim Kuramlarında Kütleçekimsel Dalgaların İncelenmesi, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Mühendisliği (YI) (Tezli), 2014

Research Areas

Atomic and Molecular Physics, Molecular Properties and Interactions with Photon

Academic Positions

Assistant Professor, Marmara University, Faculty of Sciences, Department of Physics, 2023 - Continues
Research Assistant PhD, Marmara University, Faculty of Arts and Sciences, Physics, 2020 - 2023
Research Assistant, Marmara University, Faculty of Arts and Sciences, Physics, 2013 - 2020
Research Assistant, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Department Of Physics, 2012 - 2013

Courses

Postgraduate

Fundamentals of Quantum Computing, Postgraduate, 2024 - 2025

Undergraduate

Introduction to Quantum Programming, Undergraduate, 2022 - 2023, 2021 - 2022

Modern Physics Laboratory, Undergraduate, 2022 - 2023, 2020 - 2021

Object Oriented Programming in Physics, Undergraduate, 2022 - 2023, 2021 - 2022

Digital Electronic Laboratory, Undergraduate, 2020 - 2021

Analog Elektronik Laboratuvarı, Undergraduate, 2020 - 2021

Scientific English & Reporting I, Undergraduate, 2021 - 2022

Physics Laboratory II, Undergraduate, 2020 - 2021

Designed Lessons

Undergraduate

Karakaş S. A., Introduction to Quantum Programming, Undergraduate, 2021 - 2022

Karakaş S. A., Object Oriented Programming in Physics, Undergraduate, 2021 - 2022

Taught Courses and Trainings

Bozpolat S. A., Polat Ö., Uysan B., Ölmez Y., Çetiner E., Yaman B., Korhan H., QBronze77 | Quantum Computing and Programming Workshop, 2022 - 2022

Karakaş S. A., Hallaç Karakapıcı S., Arduino ile Robotik Kodlama Eğitimi - ArduCar, 2019 - 2019

Journal articles indexed in SCI, SSCI, and AHCI

- Carrier-envelope-phase-controlled molecular dissociation by ultrashort chirped laser pulses**
Bozpolat S. A., Rosenberger P., Ciappina M. F., Kling M. F., YAVUZ İ.
PHYSICAL REVIEW A, vol.100, no.6, 2019 (SCI-Expanded)

Papers Presented at Peer-Reviewed Scientific Conferences

- Isotope Effect on Molecular Dissociation by Intense Laser Fields in The Vicinity of Metallic Nanotip**
Karakas S. A., Öner M., Yavuz İ.
Turkish Physical Society 35th International Physics Congress (TPS35), Muğla, Turkey, 4 - 08 September 2019, (Full Text)
- Controlling Electron Localization in the Dissociation of H₂ and HD**
Öner M., Karakaş S. A., Yavuz İ.
Turkish Physical Society 35th International Physics Congress (TPS35), Muğla, Turkey, 4 - 08 September 2019, (Full

Text)

III. Chirp effect on molecular dissociation

KARAKAŞ S. A., Rosenberger P., Ciappina M., Kling M., YAVUZ İ.
ECAMP13, 8 - 12 April 2019, (Summary Text)

IV. AFM FM İnce Filmlerde AFM Tabaka Kalınlığının Manyetik Anizotropiye Etkisinin Monte Carlo Methodu İle İncelenmesi

KARAKAŞ S. A., DURU İ. P., DEĞER C., AKTAŞ Ş., YILDIZ F.

21. Yoğun Madde Fiziği - Ankara Toplantısı, Turkey, 25 - 27 December 2015, (Summary Text)

Funded Projects

Yavuz İ., Karakaş S. A., TUBITAK Project, Discovery of Defect-Tolerant Species in Hybrid Organic-Inorganic Perovskites via Machine Learning, 2021 - 2021

Karakaş S. A., Yavuz İ., TUBITAK Project, Isotope and Mass Asymmetry Effect on CEP-Controlled Molecular Dissociation near Metallic Nanotip, 2020 - 2021

Memberships and Roles in Scientific Organizations

Kuantum Teknolojileri Derneği, Vice President, 2022 - Continues, Turkey

Roles in Event Organizations

Karakaş S. A., Kuantum Günleri - Bronze Eğitimi (QTurkey ve DSC ÇOMÜ işbirliği), Workshop Organization, Turkey, Temmuz 2021

Scientific Research / Working Group Memberships

Simulab, Marmara University, Turkey, www.simulab.net, 2012 - 2023

Mobility Activity

Other, Workshop, Izmir Institute Of Technology, Turkey, 2022 - 2022

Other, Workshop, Necmettin Erbakan University, Turkey, 2022 - 2022

Learning Mobility Of Individuals In Youth Field, Get Education, Ettero Majorana Foundation and Centre for Scientific Culture, Italy, 2019 - 2019

Learning Mobility Of Individuals In Youth Field, Get Education, Ludwig-Maximilians-Universitaet München, Germany, 2016 - 2016

Metrics

Publication: 5

Citation (Scopus): 6

H-Index (Scopus): 1

Scholarships

Womanium Quantum Computing Scholarship, Special Institutions and Organizations, 2022 - 2022
2211-A National PhD Scholarship Program 2014/2, TUBITAK, 2014 - 2018

Awards

Bozpolat S. A., Salehi Köken Ö., TEKNOFEST Kuantum Hackathon Yarışması, Teknofest, August 2024