## Asst. Prof. KIVANÇ UYANIK

#### **Personal Information**

Office Phone: <u>+90 312 202 1026</u>

Fax Phone: <u>+90 312 212 2279</u>

Email: kivancuyanik@gazi.edu.tr

Web: https://avesis.gazi.edu.tr/kivancuyanik

# International Researcher IDs

ScholarID: EnrYMWMAAAAJ ORCID: 0000-0003-4328-3680

Publons / Web Of Science ResearcherID: I-6600-2015

ScopusID: 35732351300

#### **Education Information**

Doctorate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 2008 - 2014
Postgraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 2005 - 2008
Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Electrical And Electronics
Engineering, Turkey 1999 - 2005

Undergraduate Double Major, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1999 - 2005

## Foreign Languages

English, B2 Upper Intermediate

#### **Dissertations**

Doctorate, Weight discrimination of boolean functions with quantum computation, Middle East Technical University, Çağdaş Türk Lehçeleri ve Edebiyatları, Türk ve İslam Sanatı, 2014

Postgraduate, Entanglement measures, Middle East Technical University, Çağdaş Türk Lehçeleri ve Edebiyatları, Türk ve İslam Sanatı, 2008

#### Research Areas

## **Academic Titles / Tasks**

Assistant Professor, Gazi University, Fen Fakültesi, Fizik, 2021 - Continues
Research Assistant, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Graduate School
Of Natural And Applied Sciences, 2006 - 2007

# Published journal articles indexed by SCI, SSCI, and AHCI

I. Free-Space Quantum Key Distribution with Single Photons from Defects in Hexagonal Boron Nitride Samaner C., Pacal S., Mutlu G., UYANIK K., Ates S.

ADVANCED QUANTUM TECHNOLOGIES, vol.5, no.9, 2022 (SCI-Expanded)

II. Evaluation of exact quantum query complexities by semidefinite programming UYANIK K.

QUANTUM INFORMATION PROCESSING, vol.18, no.6, 2019 (SCI-Expanded)

III. A new sure-success generalization of Grover iteration and its application to weight decision problem of Boolean functions

UYANIK K., TURGUT S.

QUANTUM INFORMATION PROCESSING, vol.12, no.11, pp.3395-3409, 2013 (SCI-Expanded)

IV. Geometric measures of entanglement

UYANIK K., TURGUT S.

PHYSICAL REVIEW A, vol.81, no.3, 2010 (SCI-Expanded)

# Metrics

Publication: 4 Citation (WoS): 8 Citation (Scopus): 8 H-Index (WoS): 2 H-Index (Scopus): 2