# Res. Asst. Ozan KIYIKCI

## Personal Information

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**International Researcher IDs**
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## Foreign Languages

English, B2 Upper Intermediate

## Research Areas

Physics, Mathematical Methods in Physics, Relativity and Gravitation, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Superconductivity

## Academic Positions

Research Assistant, Ataturk University, Fen Fakültesi, Fizik, 2024 - Continues

## Articles Published in Other Journals

I. **A SPIN-1 ISING MODEL INVESTIGATION OF THE MAGNETIC SYSTEM IS CARRIED OUT WITHIN THE CONTEXT OF GENERALIZED STATISTICAL MECHANICS**
Kiyikci O., Kaçmaz K., Tuğral M., Oylumluoğlu G.
Usak University Journal of Engineering Sciences, vol.6, 2023 (Peer-Reviewed Journal)

II. **EFFECT OF MAGNETIC FIELD ON GERMANIUM P-N HOMOJUNCTION**
Akin Kara D., Kiyikci O., Oylumluoğlu G.
Mugla Journal of Science and Technology, vol.7, 2021 (Peer-Reviewed Journal)

## Papers Presented at Peer-Reviewed Scientific Conferences

I. **The Impact of Fractal Calculus on Lyapunov Exponents and Memory Effects**
KIYIKCI O., KURUCU Y.
24th International Symposium on 'Disorderer Systems.: Theory and Its Applications' (DSR-2024), İstanbul, Turkey, 21 November 2024, (Full Text)

II. **ADVANCED METHODOLOGIES IN SOLVING FRACTIONAL DIFFERENTIAL EQUATIONS: APPLICATIONS IN DYNAMIC SYSTEMS AND FINANCIAL MODELS**
Kiyikci O., Oylumluoğlu G.

TURKISH PHYSICAL SOCIETY 40TH INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 2 - 06 September 2024, pp.259-260, (Summary Text)

III. **FABRICATION AND CHARACTERIZATION OF POLYCRYSTALLINE SILICON SOLAR CELLS CREATED ON CERAMIC SUBSTRATE THROUGH ALUMINUM-INDUCED CRYSTALLIZATION**
ANAÇ Ş., KIYIKCI O., KARANFİL C., OYLUMLUOĞLU G.
TURKISH PHYSICAL SOCIETY 39TH INTERNATIONAL PHYSICS CONGRESS, Bodrum, Turkey, 31 August - 04 September 2023, (Summary Text)

IV. **THE CHARACTERIZATION OF SILICON SOLAR CELLS AND DETERMINATION OF OPTIMAL DEVICE PARAMETERS THROUGH NUMERICAL SIMULATION ASSISTANCE**
DÖNMEZ G., KIYIKCI O., KARANFİL C., OYLUMLUOĞLU G.
TURKISH PHYSICAL SOCIETY 39TH INTERNATIONAL PHYSICS CONGRESS, Bodrum, 31 August 2023, (Summary Text)

V. **PRODUCTION OF COMPOSITE MATERIAL USING LIGNIN AND WASTE FABRICS, AND COST ANALYSIS**
İŞLER B., KIYIKCI O., Güzel U., OYLUMLUOĞLU G.
TURKISH PHYSICAL SOCIETY 39TH INTERNATIONAL PHYSICS CONGRESS, Bodrum, 31 August 2023, (Summary Text)

VI. **THE ANALYSIS OF NONLINEAR FINANCIAL SYSTEMS USING FRACTIONAL CALCULUS**
KIYIKCI O., OYLUMLUOĞLU G., KARANFİL C.
TURKISH PHYSICAL SOCIETY 39TH INTERNATIONAL PHYSICS CONGRESS, Bodrum, Turkey, 31 August 2023, (Summary Text)


## Metrics

Publication: 9