

## Lect. EMRUMİYE ARLI

### Personal Information

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### International Researcher IDs

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### Education Information

Undergraduate Minor, Cukurova University, Mühendislik Fakültesi, Makine Mühendisliği, Turkey 2012 - Continues

Doctorate, Cukurova University, Fen Edeb. Fakültesi, Fizik, Turkey 2008 - Continues

Undergraduate, Cukurova University, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği, Turkey 2011 - 2014

Postgraduate, Cukurova University, Fen Edeb. Fakültesi, Fizik, Turkey 2003 - 2006

Undergraduate, Akdeniz University, Fen Edeb. Fakültesi, Fizik, Turkey 1998 - 2002

### Foreign Languages

English, C1 Advanced

### Dissertations

Postgraduate, Suyun Hidrojen Bağı ve Özellikleri, Cukurova University, Fen Edebiyat Fak., Fizik, 2008

### Research Areas

Information Systems, Communication and Control Engineering, Communication Engineering, Optical Communication, Radar Theory, Radio, Television Broadcasting, Control and System Engineering, Measurement and Control of Nonelectric Variables, Measurement and Control of Electric and Magnetic Variables, Industrial automation, Mathematical Techniques, Robotics and Mechatronics Systems, Field and Service Robots, Humanoid Robots, Electrical and Electronics Engineering, Electronic, Printed Circuits, Thin Film, Thick Film and Hybrid ICs, Sensing Devices and Transducers, Electronic Circuits, Microwave Circuits, Nanotechnology, Optics and Photonics, Passive Circuit Components, Cables, Switches and Connectors, Electromagnetic, Wave Propagation and Remote Sensing, Electric and Magnetic Fields, Electromagnetic Band Spacing Structures, Electromagnetic Environment and Interaction, Electromagnetic Waves, Antennas and Propagation, Electromagnetic Metrology, Photonic Band Spacing Structures, Passive Microwave Circuits, Energy, Lighting Technology, Direct Energy Conversion and Energy Storage, Power System Analysis, Generating Stations and Plants, Electric Power Transmission, Distribution and Protection, Renewable energy, High Voltage Technique, Power Electronics, Electrical Machine Theory and Design, Electric Motor Drivers, Power Apparatus (transformers, reactors, switchgear, etc.), Power Converters, MEMS, Dielectric Materials and Devices, Lasers and Masers, Magnetic Materials and Devices, Optoelectronic Materials and Devices, Superconducting Materials and Devices, Semiconducting Materials and Devices, Mechanical Engineering, Energy, Fluid Mechanics, Renewable Energy Systems, Alternative Energy Resources, Solar energy,

Geothermal energy, Wind power, Construction and Manufacturing, NDT Engineering, Machine Theory and Dynamics, Mechanisms, Robotics, Modeling and Simulation of Dynamic Systems, Mechanical, Solid Mechanics, Thermodynamics, Internal Combustion Engines, Computational fluid dynamics, Thermal Systems, Metallurgical and Materials Engineering, Material science and engineering, Nanomaterials, Mathematics, Multivariate Complex Functions and Analytic Spaces, Physics, Astronomy and Astrophysics, Sun and Solar Systems, Atomic and Molecular Physics, Theory of Atoms and Molecules, Mechanical control of atoms, molecules and ions, Atomic Spectra and Photon Interactions, Atomic and Molecular Interactions, Molecular Properties and Interactions with Photon, Interdisciplinary Physics and Related Science and Technology Areas, Electronic and magnetic devices, microelectronics, Electronics, radio and microwave technologies, Physical Chemistry, Materials Science, Electromagnetism, Acoustics, Heat Transfer, Classical Mechanics and Fluid Dynamics, Optics, Acoustics, Heat Transfer, Gases, Plasmas and Electrical Discharges Physics, Physical Properties of Gases, Physics of Plasmas, General Physics, Mathematical Methods in Physics, Physics and astronomy tools and devices, Relativity and Gravitation, Quantum Mechanics, Fields Theory and Relativity, Measurement Science, General Laboratory Techniques, and Metrology, Nuclear physics, General Nuclear Reactions, Nuclear Structure, Nuclear Engineering and Nuclear Energy Studies, Radioactive decay and in-beam spectroscopy, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Equations of State, Phase Equilibria, and Phase Transitions, Lattice Dynamics, Transport Phenomena in Condensed Matter, Mechanical and Acoustic Properties of Condensed Matter, Surfaces, Interfaces, Thin Films and Nanosystems, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electronic structure of bulk material, Magnetic Properties and Materials, Optical Properties, Spectroscopy of Matter, Electron and Ion Emission by Liquids and Solids, Superconductivity, Electronic transport in condensed matter, Magnetic Resonances and Relaxation, Chemistry, Analytical Chemistry, Atomic and Molecular Spectroscopy, Infrared Spectroscopy, Magnetic Resonance Spectroscopy, Microwave Spectroscopy, Radiochemical Methods, Raman Spectroscopy, Sensors, Spectroscopical Methods, Physical Chemistry, Quantum Mechanics, Inorganic Chemistry, Photochemistry of Inorganic Molecules, Natural Sciences, Engineering and Technology

## Academic Titles / Tasks

Expert, Cukurova University, Fen Edebiyat Fak., Fizik, 1994 - Continues

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

### I. Characterization of Ag-TiO<sub>2</sub> Powders Prepared by Sol-Gel Process

Evcin A., ARLI E., BAZ Z., ESEN R., Sever E. G.

ACTA PHYSICA POLONICA A, vol.132, no.3, pp.608-611, 2017 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

### I. Characterization of Au Nanoparticle Coated with Diamond-Like Carbon Films

Baz Z., ESEN M., ARLI E., ESEN R.

International Conference on Condensed Matter and Materials Science, Adana, Turkey, 11 - 15 October 2017

### II. Structure and Properties of Nanoparticle Au/DLC Composite Films Fabricated by MW ECR Plasma Deposition System

Baz Z., ESEN M., ARLI E., ESEN R.

International Conference on Condensed Matter and Materials Science, Adana, Turkey, 11 - 15 October 2017

### III. Investigation of Magnetic Field Effect on Hydrogen Production Performance In Aqueous Methanol Electrolysis

ARLI E., Baz Z., KARAKILÇIK H., KARAKILÇIK M., KILINÇEKER G., Sangun M. K.

2nd International Hydrogen Technologies Congress (IHTEC2017), Adana, Turkey, 13 - 15 March 2017, pp.273-278

## Other Publications

- I. **Ç.Ü. FEF Ders Notu Genel Fizik III Laboratuvarı**  
UFUKTEPE Y., KARAKILÇIK M., YÜKSEL M., AKYOL M., AKÇA G., AKÇA S., GÜRSUL M., ŞEKER(ZAİMOĞLU) Z., ÇETİN G., YEĞEN S. B., et al.  
Lecture Note, pp.145, 2015
- II. **Genel Fizik III Laboratuvarı**  
UFUKTEPE Y., Karakılçık M., YÜKSEL M., AKYOL M., AKÇA G., AKÇA S., GÜRSUL M., ŞEKER(ZAİMOĞLU) Z., ÇETİN G., Balcı Yegen S., et al.  
Experiment, pp.1, 2015
- III. **Dalgalar ve Optik Laboratuvarı Deney Klavuzu**  
UFUKTEPE Y., Topaklı H., Akgül F., Akgül G., KILIÇ ÇETİN S., AKÇA G., arlı E., baz z.  
Experiment, pp.50, 2010

## Metrics

Publication: 7

Citation (WoS): 1

Citation (Scopus): 2

H-Index (WoS): 1

H-Index (Scopus): 1