

## Prof. Yavuz Köysal

### Personal Information

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### International Researcher IDs

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Yoksis Researcher ID: 27214

### Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2005 - 2008

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 2000 - 2005

Undergraduate, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 1998 - 2002

### Dissertations

Doctorate, Bazı organik bileşiklerin kristalografik ve kuantum mekaniksel yöntemlerle yapısal karakterizasyonu,

Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2008

Postgraduate, Tek kristal X-ışınları yöntemi ile C<sub>25</sub>H<sub>17</sub>F<sub>2</sub>N<sub>3</sub>O<sub>s</sub>, C<sub>19</sub>H<sub>20</sub>FN<sub>3</sub>O<sub>2</sub>(I), C<sub>19</sub>H<sub>20</sub>FN<sub>3</sub>O<sub>2</sub>(II) kristallerinin yapı analizi, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2005

### Research Areas

Natural Sciences

### Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Yeşilyurt Demir Çelik Meslek Yüksekokulu, Elektrik ve Enerji Bölümü, 2018 - Continues

Associate Professor, Ondokuz Mayıs University, Yeşilyurt Demir Çelik Meslek Yüksekokulu, 2011 - 2018

Assistant Professor, Ondokuz Mayıs University, Samsun Meslek Yüksekokulu, Elektrik Ve Enerji Bölümü, 2008 - 2011

Research Assistant, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2004 - 2008

### Academic and Administrative Experience

Ondokuz Mayıs University, 2011 - Continues

Ondokuz Mayıs University, 2010 - 2011

Ondokuz Mayıs University, 2010 - 2011

Ondokuz Mayıs University, 2010 - 2011

## Courses

Bilimsel Araştırma Yöntemleri ve Etik, Postgraduate, 2022 - 2023  
DOĞRU AKIM DEVRELERİ, Associate Degree, 2019 - 2020  
Enerji Üreten Sistemlerin Analiz ve Tasarımı, Postgraduate, 2019 - 2020  
MESLEKİ YABANCI DİL-I, Associate Degree, 2019 - 2020  
Enerji Dönüşümünde Kullanılan Materyaller, Postgraduate, 2019 - 2020  
MESLEKİ YABANCI DİL-I, Associate Degree, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012  
MATEMATİK-II, Associate Degree, 2016 - 2017  
TEMEL ELEKTRONİK, Associate Degree, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012  
GÜÇ ELEKTRONİĞİ-I, Associate Degree, 2016 - 2017, 2015 - 2016  
DOĞRU AKIM DEVRELERİ, Associate Degree, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012  
MESLEKİ YABANCI DİL-II, Associate Degree, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2012 - 2013  
ÖLÇME TEKNİĞİ, Associate Degree, 2016 - 2017  
DOĞRU AKIM DEVRE ANALİZİ, Associate Degree, 2015 - 2016, 2014 - 2015  
BİLGİ VE İLETİŞİM TEKNOLOJİLERİ, Associate Degree, 2014 - 2015  
MESLEKİ YABANCI DİL II, Associate Degree, 2013 - 2014, 2011 - 2012  
TEKNOLOJİNİN BİLİMSEL İLKELERİ, Associate Degree, 2013 - 2014, 2012 - 2013, 2011 - 2012  
OFİS YAZILIMLARI, Associate Degree, 2013 - 2014, 2012 - 2013, 2011 - 2012  
FİZİK, Associate Degree, 2013 - 2014, 2012 - 2013, 2011 - 2012  
UZMANLIK ALAN DERSİ, Postgraduate, 2012 - 2013, 2011 - 2012  
Tez Yönetimi, Postgraduate, 2012 - 2013, 2011 - 2012  
SİSTEM ANALİZİ VE TASARIMI-I, Associate Degree, 2010 - 2011  
DOĞRU AKIM DEVRELERİ, Associate Degree, 2010 - 2011, 2009 - 2010  
UZMANLIK ALAN DERSİ, Postgraduate, 2010 - 2011  
TEKNOLOJİNİN BİLİMSEL İLKELERİ, Associate Degree, 2010 - 2011, 2009 - 2010  
SİSTEM ANALİZİ VE TASARIMI II, Associate Degree, 2010 - 2011, 2009 - 2010  
MESLEKİ YABANCI DİL-I, Associate Degree, 2010 - 2011  
BİLGİ VE İLETİŞİM TEKNOLOJİLERİ, Associate Degree, 2010 - 2011  
FİZİK, Associate Degree, 2010 - 2011  
OFİS YAZILIMLARI, Associate Degree, 2010 - 2011  
OTOMOTİV ELEKTRONİĞİ, Associate Degree, 2009 - 2010  
İŞLETİM SİSTEMLERİ, Associate Degree, 2009 - 2010  
BİLGİSAYAR DONANIMI, Associate Degree, 2009 - 2010  
ANALOG ELEKTRONİK, Associate Degree, 2009 - 2010  
ANALOG ELEKTRONİK, Associate Degree, 2007 - 2008  
BİLGİSAYAR DONANIMI, Associate Degree, 2007 - 2008  
BİLGİSAYAR KULLANIMI, Associate Degree, 2007 - 2008

## Advising Theses

Yavuz K., Tekli RF plazma metodu ile üretilmiş amorf hidrojenlenmiş karbon ince filmlerin (a-C: H) optik bant aralıklarının karakterizasyonu, Postgraduate, H.KIZILÇAOĞLU(Student), 2017

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

- I. **Synthesis, crystal structure, spectroscopy and quantum chemical investigations of hexahydroquinoline molecule**

Bülbül H., Cetin G., Köysal Y., ŞİMŞEK R., Yildirim S. O., Tanak H., Butcher R. J.

MOLECULAR PHYSICS, 2024 (SCI-Expanded)

- II. **Experimental investigation and mathematical modeling of a novel solar thermoelectric generator incorporated with thermal condensing system**  
Yakut Y., Özbektaş S., Köysal Y., Atalay T., BÜLBÜL H.  
APPLIED THERMAL ENGINEERING, vol.236, 2024 (SCI-Expanded)
- III. **Experimental and theoretical analysis of thermoelectric energy generating system collecting concentrated solar energy**  
Mahmat A. M., Köysal Y., Yakut Y., Atalay T., Özbektaş S.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.44, no.4, pp.9184-9203, 2022 (SCI-Expanded)
- IV. **Experimental and Thermal Analysis of Solar Thermoelectric System Performance Incorporated with Solar Tracker**  
Atalay T., Yakut Y., Köysal Y., Özbektaş S., Bülbül H., Topaloglu B.  
INTERNATIONAL JOURNAL OF PRECISION ENGINEERING AND MANUFACTURING-GREEN TECHNOLOGY, vol.9, no.2, pp.587-602, 2022 (SCI-Expanded)
- V. **Crystal structure and computational studies of (E)-1-(benzo[b]thiophen-3-yl)-N-(4-ethoxyphenyl)methanimine**  
Bülbül H., Köysal Y., Doğan O. E., DEGE N., Ağar E.  
CRYSTALLOGRAPHY REPORTS, vol.64, no.3, pp.403-406, 2019 (SCI-Expanded)
- VI. **Performance Analysis on Solar Concentrating Thermoelectric Generator Coupled with Heat Sink**  
Köysal Y.  
INTERNATIONAL JOURNAL OF PRECISION ENGINEERING AND MANUFACTURING, vol.20, no.2, pp.313-318, 2019 (SCI-Expanded)
- VII. **Experimental and Modeling Study on Solar System Using Linear Fresnel Lens and Thermoelectric Module**  
Köysal Y., ÖZDEMİR A. E., Atalay T.  
JOURNAL OF SOLAR ENERGY ENGINEERING-TRANSACTIONS OF THE ASME, vol.140, no.6, 2018 (SCI-Expanded)
- VIII. **Evaluation of Energy Efficiency of Thermoelectric Generator with Two-Phase Thermo-Syphon Heat Pipes and Nano-Particle Fluids**  
Atalay T., Köysal Y., ÖZDEMİR A. E., Özbaş E.  
INTERNATIONAL JOURNAL OF PRECISION ENGINEERING AND MANUFACTURING-GREEN TECHNOLOGY, vol.5, no.1, pp.5-12, 2018 (SCI-Expanded)
- IX. **Crystal structure of 3-(4-methoxyphenyl)-1-(4-methylphenyl)prop-2-en-1-one, C<sub>17</sub>H<sub>16</sub>O<sub>2</sub>**  
Köysal Y., Bülbül H., Ozdemir F., İLHAN İ. Ö., DEGE N.  
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.232, no.4, pp.593-594, 2017 (SCI-Expanded)
- X. **Crystal structure of (E)-3-((naphthalen-1-ylimino) methyl)-4-nitrophenol, C<sub>17</sub>H<sub>12</sub>N<sub>2</sub>O<sub>3</sub>**  
Bülbül H., Köysal Y., Macit M., Yaman R., DEGE N.  
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.232, no.1, pp.135-136, 2017 (SCI-Expanded)
- XI. **Crystal structure of (E)-4-nitro-2-((2-phenoxy-phenylimino)methyl)phenol, C<sub>19</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>**  
Köysal Y., Bülbül H., Kantar E. N., Coskun E., Şahin S., DEGE N.  
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.232, no.1, pp.9-10, 2017 (SCI-Expanded)
- XII. **The experimental design of solar heating thermoelectric generator with wind cooling chimney**  
ÖZDEMİR A. E., Köysal Y., Özbaş E., Atalay T.  
ENERGY CONVERSION AND MANAGEMENT, vol.98, pp.127-133, 2015 (SCI-Expanded)
- XIII. **Synthesis, structural characterization and comparison of experimental and theoretical results by DFT level of molecular structure of 4-(4-methoxyphenethyl)-3,5-dimethyl-4H-1,2,4-triazole**  
Dugdu E., ÜNVER Y., ÜNLÜER BİRİNCİ D., TANAK H., SANCAK K., Köysal Y., Isik S.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.108, pp.329-337, 2013 (SCI-Expanded)

- XIV. **Crystal structure, spectroscopic investigations and density functional studies of 4-(4-methoxyphenethyl)-5-benzyl-2H-1,2,4-triazol-3(4H)-one monohydrate**  
Köysal Y., TANAK H.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.93, pp.106-115, 2012 (SCI-Expanded)
- XV. **Experimental and Computational Approaches to the Molecular Structure of 3-(2-Mercaptopyridine)phthalonitrile**  
TANAK H., Köysal Y., Isik S., Yaman H., AHSEN V.  
BULLETIN OF THE KOREAN CHEMICAL SOCIETY, vol.32, no.2, pp.673-680, 2011 (SCI-Expanded)
- XVI. **4-(4-Methoxyphenethyl)-3-methyl-1H-1,2,4-triazol-5(4H)-one**  
Köysal Y., Tanak H., ÜNLÜER BİRİNCİ D., Isik S.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.66, 2010 (SCI-Expanded)
- XVII. **Ethyl 4-(3-ethyl-5-oxo-4,5-dihydro-1H-1,2,4-triazol-4-yl)benzoate**  
ÜNVER Y., Köysal Y., Tanak H., ÜNLÜER BİRİNCİ D., Isik S.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.66, 2010 (SCI-Expanded)
- XVIII. **Experimental and DFT computational studies on 5-benzyl-4-(3,4-dimethoxyphenethyl)-2H-1,2,4-triazol-3(4H)-one**  
Tanak H., Köysal Y., Yavuz M., Buyukgungor O., SANCAK K.  
JOURNAL OF MOLECULAR MODELING, vol.16, no.3, pp.447-457, 2010 (SCI-Expanded)
- XIX. **Novel phthalocyanines containing substituted salicyclic hydrazone-1,3-thiazole moieties: Microwave-assisted synthesis, spectroscopic characterization, X-ray structure and thermal characterization**  
DEĞİRMENCİOĞLU İ., Atalay E., Er M., Köysal Y., Isik S., SERBEST K.  
DYES AND PIGMENTS, vol.84, no.1, pp.69-78, 2010 (SCI-Expanded)
- XX. **An experimental and DFT computational study on 4-(3-(1H-imidazol-1-yl)propyl)-5-methyl-2H-1,2,4-triazol-3(4H)-one monohydrate**  
Tanak H., Köysal Y., ÜNVER Y., Yavuz M., Isik S., SANCAK K.  
MOLECULAR PHYSICS, vol.108, no.2, pp.127-139, 2010 (SCI-Expanded)
- XXI. **4-(2,3-Dihydroxybenzylideneamino)-3-methyl-1H-1,2,4-triazol-5(4H)-one**  
Tanak H., Köysal Y., Yavuz M., Isik S., Gul G.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.65, 2009 (SCI-Expanded)
- XXII. **Theoretical modeling and experimental studies on N-n-Decyl-2-oxo-5-nitro-1-benzylidene-methylamine**  
Tanak H., Ersahin F., Köysal Y., Açar E., Isik S., Yavuz M.  
JOURNAL OF MOLECULAR MODELING, vol.15, no.10, pp.1281-1290, 2009 (SCI-Expanded)
- XXIII. **Experimental and DFT studies of ethyl N'-3-(1H-imidazol-1-yl) propylcarbamoyl benzohydrazone monohydrate**  
Tanak H., Köysal Y., ÜNVER Y., Yavuz M., Isik S., SANCAK K.  
STRUCTURAL CHEMISTRY, vol.20, no.3, pp.409-416, 2009 (SCI-Expanded)
- XXIV. **(E)-4-bromo-2-[2-(hydroxymethyl)-phenyliminomethyl]phenol**  
Koysal Y., Isik S., Agar A.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.63, 2007 (SCI-Expanded)
- XXV. **3-[2-(2-thienyl)ethoxy]phthalonitrile**  
Koysal Y., Isik S., Iskeeli N. O., Durmus M., Ahsen V.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.62, 2006 (SCI-Expanded)
- XXVI. **3,3 '-Diisopropyl-4,4 '-(hexane-1,6-diyl)bis-[1H-1,2,4-triazol-5(4H)-one] dihydrate**  
Koysal Y., Isik S., Sancak K., Unver Y.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.62, 2006 (SCI-Expanded)

- I. **Crystal structure and computational studies of (3Z)-4-benzoyl-3-[(2,4-dinitrophenyl)hydrazinylidene]-5-phenylfuran-2(3H)-one**  
Köysal Y., Bülbül H., İLHAN İ. Ö., Akin N., DEGE N.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.72, pp.1852-1861, 2016 (ESCI)
- II. **Crystal structure and computational study of 2,4-dichloro-N-[(E)-(5-nitrothiophen-2-yl)methylidene]aniline**  
Köysal Y., Bülbül H., Gumus S., Ağar E., SOYLU M. S.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.72, pp.1187-1193, 2016 (ESCI)
- III. **Amorf Hidrojenlenmiş Karbon İnce Filmlerin Yasak Enerji BantAralıklarının Optiksel İncelenmesi**  
Kızılçaoğlu H., GÖKŞEN K., KÖYSAL Y.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.4, no.1, pp.317-326, 2016 (Peer-Reviewed Journal)
- IV. **Crystal structure of 2-[[2-methoxy-5-(trifluoromethyl)phenyl]iminomethyl]-4-nitrophenol**  
Karadayı N., Şahin S., Köysal Y., Coskun E., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.71, 2015 (ESCI)
- V. **Crystal Structure Spectroscopy SEM Analysis and Computational Studies of N 1 3 Dioxoisindolin 2yl benzamide**  
BÜLBÜL H., KÖYSAL Y., DEGE N., GÜMÜŞ UZUN S., AĞAR E., SALHA H.  
Journal of Crystallography, vol.2015, pp.1-6, 2015 (Peer-Reviewed Journal)
- VI. **2-[[3-Chloro-4-( 4-chlorophenoxy)phenyl]iminomethyl]-4-nitrophenol**  
Karadayı N., Köysal Y., Şahin S., Coskun E., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.69, 2013 (ESCI)
- VII. **8-[(E)-[(4-Chlorophenyl)imino]methyl]1,1,7,7-tetramethyl-1,2,3,5,6,7-hexahydropyrido[3,2,1-ij]quinolin-9-ol**  
Kantar E. N., Köysal Y., Akdemir N., Alaman Ağar A., SOYLU M. S.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.69, 2013 (ESCI)
- VIII. **Ethyl 2-[2-(4-hydroxy-3-methoxybenzylidene)hydrazin-1-ylidene]-3,4-dimethyl-2,3-dihydro-1,3-thiazole-5-carboxylate**  
YILDIRIM S., Butcher R. J., Köysal Y., Kantar E. N., Belder A.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.68, 2012 (ESCI)
- IX. **1,1,2,2-Tetrakis[2,4-dichloro-6-(diethoxymethyl) phenoxy]methylethene**  
Köysal Y., Orzturk S., Butcher R. J., Dugdu E.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.68, 2012 (ESCI)
- X. **(E)-[[But-2-ene-1,4-diylbis(oxy)]bis(4,1phenylene)]bis(phenylmethanone)**  
YILDIRIM S., Butcher R. J., Köysal Y., Birinci E.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.68, 2012 (ESCI)
- XI. **4-Methoxy-2-[(E)-[(thiophen-2-yl)methylimino]methyl]phenol**  
Kantar E. N., Köysal Y., Macit M., Er E., SOYLU M. S.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.68, 2012 (ESCI)
- XII. **5-Diethylamino-2[(E)-(2,4-dimethoxy-phenyl)iminomethyl]phenol**  
Kantar E. N., Köysal Y., Gumus S., Ağar E., SOYLU M. S.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.68, 2012 (ESCI)
- XIII. **4-[2-(4-Hydroxyphenyl) ethyl]-3-propyl-1H-1,2,4-triazol-5(4H)-one**  
YILDIRIM S., Butcher R. J., ÜNLÜER BİRİNCİ D., Köysal Y.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.68, 2012 (ESCI)
- XIV. **5-(Thiophen-2-ylmethyl)-1,3,4-thiadiazol-2-amine**  
Köysal Y., Deniz S., Butcher R. J., YILDIRIM S., Jasinskie J. P., Keeley A. C.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.68, 2012 (ESCI)
- XV. **Electrical Parameters of Different Concentrations of Methyl Red in Fullerene Doped Liquid Crystal**  
OKUTAN M., KÖYSAL O., SAN S. E., KÖYSAL Y.

ISRN Nanomaterials, vol.2012, pp.1-5, 2012 (Peer-Reviewed Journal)

**XVI. Crystal Structure of 1 N Ethylthiocarbamoyl 3 5 di 2 thienyl 2 pyrazoline**

KÖYSAL Y., IŞIK Ş., ÖZDEMİR Z., BİLGİN A. A.

ANALYTICAL SCIENCES, X-ray Structure Analysis Online, vol.23, no.10, pp.193-194, 2007 (Peer-Reviewed Journal)

**XVII. Crystal Structure of 1 Thiocarbamoyl 3 5 di 2 thienyl 2 pyrazoline**

KÖYSAL Y., IŞIK Ş., ÖZDEMİR Z., BİLGİN A. A.

ANALYTICAL SCIENCES, X-ray Structure Analysis Online, vol.23, no.10, pp.177-178, 2007 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

**I. Crystal structure and computational study of C<sub>11</sub>H<sub>6</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>2</sub>S**

BÜLBÜL H., KÖYSAL Y., GÜMÜŞ S., AĞAR E., SOYLU M. S., ATALAY Ş.

1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 27 - 29 June 2018

**II. Crystal Structure, Spectroscopy, SEM Analysis, and Computational Studies of C<sub>17</sub>H<sub>12</sub>N<sub>2</sub>O<sub>3</sub>**

BÜLBÜL H., KÖYSAL Y., MACİT M., YAMAN R., DEGE N.

1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, 27 - 29 June 2018

**III. TEG TEMELLİ ELEKTRİK ÜRETECİNİN KAVRAMSAL TASARIMI**

ATALAY T., KÖYSAL Y., ÖZDEMİR A. E.

10. ULUSLARARASI TEMİZ ENERJİ SEMPOZYUMU, 24 - 26 October 2016, pp.577-580

**IV. TEG Modüller Kullanılarak Atık Isının Geri Dönüşümünden Elektrik Üretimi**

ÖZDEMİR A. E., ATALAY T., KÖYSAL Y., BÜYÜKLÜ Y. Y.

VIII. Yenilenebilir Enerji Kaynakları Sempozyumu, Adana, Turkey, 15 - 16 October 2015, pp.97-101

**V. TEG MODÜLLER KULLANILARAK ATIK ISININ GERİ DÖNÜŞÜMÜNDEN ELEKTRİK ÜRETİMİ**

ÖZDEMİR A. E., ATALAY T., KÖYSAL Y., BÜYÜKLÜ Y. Y.

VIII. Yenilenebilir Enerji Kaynakları Sempozyumu, Adana, Turkey, 15 - 16 October 2015, pp.97-101

**VI. Conceptual Design of Solar and Sea Based Renewable Energy Production with Thermoelectric Generator**

Ozdemir A. E., Koyosal Y., Atalay T., Ozbas E.

9th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 26 - 28 November 2015, pp.403-405

**VII. 4-(2-Allylphenoxy)-phthalonitril'in Kristal ve Molekül Yapısının Analizi**

KÖYSAL Y., IŞIK Ş., AKDEMİR N., AĞAR E., MCKEE V.

1. Ulusal Kristalografi Toplantısı, Samsun, Turkey, 22 - 24 April 2004

## Supported Projects

Köysal Y., Project Supported by Higher Education Institutions, Solar Enerjiden Hibrit Elektriksel Üreteç, 2018 - 2023

Köysal Y., Project Supported by Higher Education Institutions, Rüzgar Enerjisi ve Statik Elektrik Temelli Yenilenebilir Enerji Üretici, 2018 - 2023