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Publons / Web Of Science ResearcherID: G-6050-2013

Yoksis Araştırmacı ID: 5711

### Eğitim Bilgileri

Doktora, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye 1985 - 1988

Yüksek Lisans, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, Türkiye 1980 - 1982

Lisans, Hacettepe Üniversitesi, Mühendislik Fak, Fizik Müh. Böl., Türkiye 1976 - 1980

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Yaptığı Tezler

Doktora, X-ışınları kırınımı yöntemiyle mesterolon (C<sub>20</sub>H<sub>32</sub>O<sub>2</sub>) kristalinin yapı analizi, Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 1988

### Araştırma Alanları

Yaşam Bilimleri, Biyofizik, Biyokimya, Yapısal Biyoloji, Biyoinformatik, Biyolojik Modelleme, Fizik, Atom ve Molekül Fiziği, Atomik ve moleküler etkileşimler, Disiplinlerarası Fizik ve İlgili Bilim ve Teknoloji Alanları, Fiziksel Kimya ve Kimyasal Fizik, Yoğun Madde 1:Yapısal, Mekanik ve Termal Özellikler , Katı ve sıvı yapılar, kristalografi, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2001 - Devam Ediyor

Doç. Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 1994 - 2001

Yrd. Doç. Dr., Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 1989 - 1994

Araştırma Görevlisi, Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 1980 - 1989

## AKADEMİK İDARI DENEYİM

Hacettepe Üniversitesi, Mühendislik Fakültesi, 2016 - Devam Ediyor

Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2005 - 2007

## Yönetilen Tezler

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## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Novel 1,2,4-triazoles derived from Ibuprofen: synthesis and in vitro evaluation of their mPGES-1 inhibitory and antiproliferative activity**  
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- II. **Sesquiterpene Coumarin Ethers with Selective Cytotoxic Activities from the Roots of Ferula huber-morathii Peşmen (Apiaceae) and Unequivocal Determination of the Absolute Stereochemistry of Samarcandin**  
ERUÇAR F. M., KURAN F. K., ALTIPARMAK ÜLBEGİ G., ÖZBEY S., KARAVUŞ Ş. N., ARCAN G. G., YAZICI TÜTÜNİŞ S., TAN N., AKSOY SAĞIRLI P., MİSKİ M.  
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- III. **Crystal structure determination of two novel 1,2,4-triazolo[3,4-b]-1,3,4-thiadiazine and -thiadiazole derivatives by XRPD method**  
KAYNAK F. B., Gundogdu G., Muller M., ÖZBEY S.  
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- IV. **Crystal Structures and Intermolecular Interactions of Two Novel Antioxidant Triazolyl-Benzimidazole Compounds**  
Karayel A., ÖZBEY S., Ayhan-Kilcigil G., Kus C.  
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- V. **Synthesis of novel substituted purine derivatives and identification of the cell death mechanism**  
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- VI. **The intramolecular hydrogen bond analysis in biologically active 5-fluoro-1h-indole-2,3-dione-3-thiosemicarbazones derivatives by experimental and theoretical methods**  
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- VII. **Purification, structural characterization and homology modeling of a novel neurotoxic peptide (Acra3) from the scorpion Androctonus crassicauda**

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- VIII. **Synthesis and characterization of solution processable 6,11-dialkynyl substituted indeno[1,2-b]anthracenes**  
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- IX. **Three novel compounds of 5-trifluoromethoxy-1H-indole-2,3-dione 3-thiosemicarbazone: Synthesis, crystal structures and molecular interactions**  
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- X. **Hetarylazoindoles 2. Spectroscopic and structural investigation of new benzothiazolylazo indole dyes**  
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- XI. **Synthesis and Characterization of Novel Thiourea Derivatives and Their Nickel and Copper Complexes**  
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- XII. **Design and One-Pot and Microwave-Assisted Synthesis of 2-Amino/5-Aryl-1,3,4-oxadiazoles Bearing a Benzimidazole Moiety as Antioxidants**  
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- XIII. **Colour-responsive fluorescent oxy radical sensors**  
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- XIV. **Gypsophila simonii: Teşhis, Ekstraksiyon, Sapogenin İzolasyonu ve Sakkarozun X-Ray Kristalografik Yapısı**  
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:Hacettepe Journal of Biology and Chemistry, cilt.40, sa.1, ss.53-59, 2012 (SCI-Expanded)
- XV. **NMR, X-RAY and DFT studies on antioxidant triazolyl-benzimidazole derivatives**  
KARAYEL A., ÖZBEY S., Ayhan-Kilcigil G., KUŞ C.  
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- XVI. **Triterpene Saponins from Cyclamen trocoperanthum**  
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- XVII. **Synthesis of new spiroindolinones incorporating a benzothiazole moiety as antioxidant agents**  
Karali N., Guzel O., Ozsoy N., ÖZBEY S., Salman A.  
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- XVIII. **Crystal Structures and Radical-Scavenging Mechanism Investigation by X-Ray and Quantum Mechanical Methods of Antioxidant Triazolyl-Benzimidazole Derivatives**  
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- XIX. **Synthesis and antimicrobial evaluation of some new substituted purine derivatives**  
Tuncbilek M., Ates-Alagoz Z., Altanlar N., KARAYEL A., ÖZBEY S.  
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- XX. **Crystal Structures and Theoretical Investigations on DPPH Radical-scavenging Mechanism of New Triazolymethyl Benzimidazole Derivatives**  
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- XXI. **Synthesis and single crystal structure analysis of three novel benzoylthiourea derivatives**

- Kavak G., Ozbey S., Binzet G., Kulcu N.  
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- XXII. **Synthesis and Structures of N,N-dialkyl-N'-(2-methylbenzoyl, 4-fluorobenzoyl) thiourea derivatives.**  
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- XXIII. **Synthesis and Crystal Structure of Chiral Substituted (S)-2-[(4-Methoxyphenoxy) Methyl]-15-Crown-5 Ether with Sodium Perchlorate Complex**  
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- XXIV. **Synthesis of highly functionalized BEDT-TTF analogues incorporating 1,4-dithiin rings from 1,8-diketones**  
ERTAS E., KAYNAK F. B., ÖZBEY S., Osken I., Öztürk T.  
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- XXV. **Synthesis and crystal structure of 1-benzyl-2-(4-benzyloxyphenyl)-5,6-dichloro-1H-benzimidazole**  
KAYNAK F. B., ÖZBEY S., Tuncbilek M., Alp M.  
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- XXVI. **Experimental and theoretical structural studies on 4-(2-phenylethyl)-5-(2-furyl)-2,4-dihydro-3H-1,2,4-triazole-3-thione**  
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- XXVII. **Synthesis and antioxidant properties of novel N-methyl-1,3,4-thiadiazol-2-amine and 4-methyl-2H-1,2,4-triazole-3(4H)-thione derivatives of benzimidazole class**  
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- XXVIII. **Structure of Narcissus pseudonarcissus lectin complex with mannobiose at 1.7 angstrom resolution, FORM II**  
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- XXIX. **New 3-hydroxyflavone derivatives for probing hydrophobic sites in microheterogeneous systems**  
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- XXX. **Diiodido-2 kappa I-2-bis(4-methylpyridine-1 kappa N)-mu-{2,2'-[1,3-propanediylbis(nitrilomethylidyne)]diphenolato-1 kappa O-4,N,N',O': 2 kappa O-2,O' }nickel(II)zinc(II)**  
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- XXXI. **X-ray crystallographic and theoretical study of 4-cyclohexyl-5-(2-furyl)-2,4-dihydro-3H-1,2,4-triazole-3-thione**  
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- XXXII. **Synthesis and structure-antituberculosis activity relationship of 1H-indole-2,3-dione derivatives**  
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- XXXIII. **Bis[mu(2)-2,2'-dimethyl-N,N'-bis(2-oxido-benzyl)propane-1,3-diamine]-1 kappa O-4,N,N',O': 2 kappa O-2,O'; 2 kappa O-2,O': 3 kappa O-4,N,N',O'-bis(N,N'-dimethylformamide)-1 kappa O,3 kappa O-di-mu(2)-formato-1 : 2 kappa O-2 : O'; 2 : 3 kappa O-2 : O'-trinickel(II)**  
YILDIRIM L., Atakol O., Kavak G.  
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- XXXIV. **Ethyl 2-(9-methylsulfonyl-1-oxo-2,3,4,9-tetrahydro-1H-carbazol-2-yl)acetate**  
Ozbey S., KARAYEL A., Yilmaz A., ULUDAG N.

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- XXXV. **Crystal Structures and Interactions in Packing of Novel Thiadiazolyl - and Triazolyl-benzimidazole Derivatives**  
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- XXXVI. **X-Ray crystal structure analysis and determination of azo-enamine and hydrazone-imine tautomers of two hetarylazo indole dyes**  
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- XXXVII. **Synthesis of some 2,4-di- and 2,3,4-trisubstituted benzimidazo[1,2-a]pyrimidines and evaluation of their cytotoxicities towards F2408 and 5RP7 cells**  
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- XXXVIII. **Synthesis of some oxime ether derivatives of 1-(2-naphthyl)-2(1,2,4-triazol-1-yl)ethanone and their anticonvulsant and antimicrobial activities**  
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- XL. **C - H center dot center dot center dot F, N / C - H center dot center dot center dot S and C - H center dot center dot center dot pi interactions in 5-fluoro-1H-indole-2,3-dione-3-thiosemicarbazones**  
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- XLI. **Synthesis, antioxidant and radical scavenging activities of novel benzimidazoles**  
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- XLII. **Antibacterial 4-amino-N-(5-methylisoxazol-3-yl)-N-[(4-oxo-2-phenyl-4H-1-benzopyran-6-yl)methyl]benzenesulfonamide**  
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- XLIII. **3,4-Bis[(4-methoxybenzoyl)methyl-sulfanyl]thiophene**  
Ozbey S., KAYNAK F. B., ERTAS E. S., OZTURK T.  
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- XLIV. **New N'-alkylidene/cycloalkylidene derivatives of 5-methyl-3-phenyl-1H-indole-2-carbohydrazide: synthesis, crystal structure, and quantum mechanical calculations**  
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- XLV. **The two-dimensional coordination polymer poly[[bis(3-methylpyridine)cadmium(II)]-tetra-mu-cyano-nickel(II)]**  
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- XLVI. **Synthesis and antimicrobial evaluation of some new 2-(2-(p-chlorophenyl) benzimidazol-1-yl methyl)-5-substituted amino-[1,3,4]-thiadiazoles**  
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- XLVII. **Synthesis and crystal structure elucidation of 1-(4-fluorobenzyl)-2-(4-cyanophenyl)-1H-benzimidazole-5-carbonitrile**  
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- XLVIII. **Synthesis of chiral crown ethers and complexation with chiral protonated amine compounds: X-ray**

**crystal and nuclear magnetic resonance studies of perchlorate salt of chiral benzo-monoaza-15-crown-5 and chiral monoaza-15-crown-5**

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**XLIX. 6-(3,4-Difluorobenzoyl)-3-[2-(4-pyridyl)ethyl]-1,3-benzothiazol-2(3H)-one**

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**L. Crystal structure of 3,3'-dimethoxybenzidine (2-hydroxybenzal) diimine**

AYGUN M., GOKCE A., AKKUS N. İ., Ozbey S.

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**LI. Ethyl (3-ethyl-1-oxo-1,2,3,4-tetrahydrocarbazol-2-yl)acetate**

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**LII. Saligenin derivative borocryptands: synthesis and structural analysis of new type lithium borocryptate**

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**LIII. Synthesis and crystal structure of hexahydrobis[(1,3-p-dimethylaminobenzyl)-1,3-diazepin-2-selenone, C<sub>23</sub>H<sub>32</sub>N<sub>4</sub>Se**

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**LIV. Crystal structure of 2,3-diaza-1,3-diphenylpropene**

GUNES B., Ozbey S., TEZCAN H.

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**LV. 2-Trichloroacetyl-1-(1-pyrrolidinyl)cyclopentene**

KAYNAK F. B., OZBEY S., Senoz H., TUNOGLU N.

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**LVI. Crystal structure of an inclusion complex between chiral monoaza-15-crown-5 and S(-)-1-phenylethyl ammonium perchlorate**

Ozbey S., KAYNAK F. B., TOGRUL M., DEMIREL N., HOSGOREN H.

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**LVII. Crystal structures of N-(trichloroacetyl)morpholine and 2,6-di(trichloroacetyl)cyclohexanone**

OZBEY S., KAYNAK F. B., Senoz H., TUNOGLU N.

ZEITSCHRIFT FUR KRISTALLOGRAPHIE, cilt.218, sa.6, ss.440-444, 2003 (SCI-Expanded)

**LVIII. Synthesis of 4-(3-coumarinyl)-3-benzyl-4-thiazolin-2-one 4-methylbenzylidenehydrazone and determination of the isomeric structure by X-ray analysis**

Ozbey S., KARALI N., GUROSY A.

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**LIX. 2-(Imidazol-1-yl)-1-(2-naphthyl)ethanone O-propyloxime hydrochloride**

Ozbey S., Kendi E., Karakurt A., Dalkara S.

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**LX. Methyl 2-methyl-7-oxo-1,2,4-triazolo[3,2-b]-1,3-thiazine-5-carboxylate**

OZBEY S., Tozkoparan B.

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**LXI. 2-(2,4-Dichlorophenyl)-5-fluoro-6-morpholin-4-yl-1H-benzimidazole monohydrate**

Ozbey S., KAYNAK F. B., KUS C., GOKER H.

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**LXII. 5-methyl-2-(4-methylbenzoyloxy)acetophenone**

KAZAK C., AYGUN M., KUS C., Ozbey S., BUYUKGUNGOR O.

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**LXIII. 5,6-Diphenylthieno[2,3-d][1,3]-dithiole-2-thione**

- KAYNAK F. B., Ozbey S., OZTURK T., ERTAS E. S.  
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- LXVI. **Synthesis of some 1-(2-naphthyl)-2-(imidazole-1-yl)ethanone oxime and oxime ether derivatives and their anticonvulsant and antimicrobial activities**  
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- LXVIII. **Synthesis of R-(-)-2-ethyl-N-benzyl (monoaza-15-crown-5) and the crystal structure of its sodium perchlorate complex**  
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## Diğer Dergilerde Yayınlanan Makaleler

**I. Synthesis, characterization and antimicrobial evaluation of new 2-(2-thienylcarbonyl)hydrazono-3-alkylaryl-4-thiazolidinone and 2-aryl-3-(2-thienylcarbonyl)amino-4-thiazolidinone derivatives**

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**I. 5. Bölüm: X-Işınları Kristalografisi**

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## Desteklenen Projeler

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## **Metrikler**

Yayın: 122

Atf (WoS): 1520

Atf (Scopus): 1701

H-İndeks (WoS): 18

H-İndeks (Scopus): 19

## **Akademi Dışı Deneyim**

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