

## Doç. Dr. GÖKHAN DİKMEN

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Yoksis Araştırmacı ID: 14838

### Eğitim Bilgileri

Doktora, Anadolu Üniversitesi, Fen Bilimleri Enstitüsü, Atom Ve Molekül Fiziği (Dr), Türkiye 2012 - 2016

Yüksek Lisans, Anadolu Üniversitesi, Fen Bilimleri Enstitüsü, İleri Teknolojiler Anabilim Dalı (Disiplinlerarası), Türkiye 2009 - 2012

Lisans, Eskişehir Osmangazi Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, Türkiye 2005 - 2009

### Yaptığı Tezler

Doktora, Bazı Boronik Asit Türevlerinin DFT, Raman, FT-IR ve NMR spektroskopik yöntemler ile teorik ve deneysel olarak incelenmesi, Anadolu Üniversitesi, Fen Bilimleri Enstitüsü, Atom Ve Molekül Fiziği (Dr), 2016

Yüksek Lisans, Nokodazol yüklü katı lipid nanopartiküllerin hazırlanması ve karakterizasyonu, Anadolu Üniversitesi, Fen Bilimleri Enstitüsü, İleri Teknolojiler Anabilim Dalı (Disiplinlerarası), 2012

### Araştırma Alanları

Atom ve Molekül Fiziği

### Akademik Unvanlar / Görevler

Doç. Dr., Eskişehir Osmangazi Üniversitesi, REKTÖRLÜK, REKTÖRLÜK, 2020 - Devam Ediyor

Öğretim Görevlisi, Eskişehir Osmangazi Üniversitesi, REKTÖRLÜK, 2013 - Devam Ediyor

### Akademik İdari Deneyim

Uygulama ve Araştırma Merkezi Müdür Yardımcısı, Eskişehir Osmangazi Üniversitesi, REKTÖRLÜK, REKTÖRLÜK, 2022 - 2023

### Verdiği Dersler

İleri Sıvı NMR Teknikleri , Doktora, 2022 - 2023

Genel Fizik 2, Lisans, 2017 - 2018

Genel Fizik 1, Lisans, 2017 - 2018

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

- I. **Application of high sensitive silver nanocubes SERS substrate for detection of metribuzin**  
Ay K. O., DİKMEN G., KOYUNCU O.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1297, 2024 (SCI-Expanded)
- II. **2D Cadmium(II) Coordination Polymer Based on 2,5-Furandicarboxylate and 1,4-Bis(1H-imidazol-1-yl)butane Linkers: Synthesis, Characterization and DFT Studies**  
DEMİR S., DİKMEN G., ERER H.  
Journal of Inorganic and Organometallic Polymers and Materials, 2024 (SCI-Expanded)
- III. **Surface enhanced Raman spectroscopy sensor based on silver nanoparticles/multi wall carbon nanotubes for ultrasensitive detection of cholesterol**  
Dikmen G.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.303, 2023 (SCI-Expanded)
- IV. **Novel fluorescent sensors based on coumarin-hydrazide-hydrazone hybrid for the detection of CN<sup>-</sup>, Co<sup>2+</sup> and Ni<sup>2+</sup> ions: DFT and bioimaging in living cells**  
Turhan O., YAMAN M., DİKMEN G., NURAL Y., SARIBOYACI A. (., Tasa B., Soykan M. N., SEFEROĞLU Z.  
JOURNAL OF MOLECULAR LIQUIDS, cilt.392, 2023 (SCI-Expanded)
- V. **Fluorophore-assisted green fabrication of flexible and cost-effective Ag nanoparticles decorated PVA nanofibers for SERS based trace detection**  
DİKMEN Z., DİKMEN G., BÜTÜN V.  
Journal of Photochemistry and Photobiology A: Chemistry, cilt.445, 2023 (SCI-Expanded)
- VI. **A New Dinuclear Copper(II)-Hydrazone Complex: Synthesis, Crystal Structure and Antibacterial Activity**  
Sevda E., Ünver H., DİKMEN G.  
Letters in Organic Chemistry, cilt.20, sa.4, ss.376-387, 2023 (SCI-Expanded)
- VII. **The quest of the most stable structure of a carboxyfullerene and its drug delivery limits: A DFT and QTAIM approach**  
Bağlayan Ö., PARLAK C., DİKMEN G., Alver Ö.  
Computational and Theoretical Chemistry, cilt.1221, 2023 (SCI-Expanded)
- VIII. **Investigation of calcium-silicate content and conversion degree of resin-based pulp capping materials**  
Dikmen G., Uslu O., Orhan E. O.  
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, cilt.37, sa.19, ss.2696-2711, 2023 (SCI-Expanded)
- IX. **Synthesis of silver nanowires and their utilization as a SERS substrate for the detection of lidocaine**  
USLU O., Osman Ay K., DİKMEN G.  
Journal of Molecular Liquids, cilt.368, 2022 (SCI-Expanded)
- X. **Ultrasensitive detection of amoxicillin using the plasmonic silver nanocube as SERS active substrate**  
DİKMEN G.  
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, cilt.278, 2022 (SCI-Expanded)
- XI. **Host-guest interaction of anti-carcinogenic drug zoledronic acid with  $\beta$ -cyclodextrin in solid and solution forms**  
DİKMEN G.  
Journal of Molecular Structure, cilt.1261, 2022 (SCI-Expanded)
- XII. **Determination of drug release profile of doxorubicin encapsulated in SLN with NMR spectroscopy**  
DİKMEN G.  
Journal of Molecular Structure, cilt.1258, 2022 (SCI-Expanded)
- XIII. **Antifungal and antibiofilm efficacy of cinnamaldehyde-loaded poly(DL-lactide-co-glycolide) (PLGA) nanoparticles against Candida albicans**  
Gursu B. Y., DAĞ İ., DİKMEN G.  
International Microbiology, cilt.25, sa.2, ss.245-258, 2022 (SCI-Expanded)

- XIV. **Synthesis, X-ray characterization and evaluation of potent anti-angiogenic activity of a novel copper(II)-imidazole-bipyridyl complex**  
Ünver H., DİKMEN G., Kiyan H. T.  
Inorganic and Nano-Metal Chemistry, cilt.52, sa.8, ss.1153-1160, 2022 (SCI-Expanded)
- XV. **Investigation of non-covalent complex formation between 2-(4-hydroxyphenylazo) benzoic acid and alpha-Cyclodextrin in solid and solution forms**  
Dikmen G.  
JOURNAL OF MOLECULAR LIQUIDS, cilt.335, 2021 (SCI-Expanded)
- XVI. **Intrinsic physicochemical interactions of calcium hydroxide-based medications**  
USLU O., DİKMEN G., ORHAN E. O.  
MICROSCOPY RESEARCH AND TECHNIQUE, cilt.84, sa.3, ss.432-440, 2021 (SCI-Expanded)
- XVII. **A new Pd(II)-Hydrazide-Triphenylphosphine complex: Synthesis, crystal structure, spectroscopic characterization and theoretical calculations**  
Dikmen G., Ünver H.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1225, 2021 (SCI-Expanded)
- XVIII. **The application of qNMR for the determination of rosuvastatin in tablet form**  
Dikmen G., Uslu O.  
TURKISH JOURNAL OF CHEMISTRY, cilt.45, sa.1, ss.132-143, 2021 (SCI-Expanded)
- XIX. **Further computations on the solubility of 2-methyl-1,3-benzothiazol-5-amine in ethanol plus water mixtures at several temperatures**  
DİKMEN G., Barzegar-Jalali M., Mirheydari S. N., Acree W. E., Jouyban A.  
PHYSICS AND CHEMISTRY OF LIQUIDS, cilt.58, sa.4, ss.421-431, 2020 (SCI-Expanded)
- XX. **Synthesis, spectroscopic characterization (FT-IR, Raman, UV-VIS, XRD), DFT studies and DNA binding properties of [Ni(C<sub>6</sub>H<sub>5</sub>CH<sub>2</sub>COO)(C<sub>12</sub>H<sub>8</sub>N<sub>2</sub>)(2)](ClO<sub>4</sub>)(CH<sub>3</sub>OH) compound**  
DİKMEN G., Kani I.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1209, 2020 (SCI-Expanded)
- XXI. **Synthesis, spectroscopic characterization and theoretical studies of (4-boronobenzoyl)serine**  
Dikmen G., Hur D.  
CHEMICAL PHYSICS, cilt.530, 2020 (SCI-Expanded)
- XXII. **The Raman, SERS and computational studies of 3,5-dimethoxy-4-hydroxycinnamic acid and its silver complex**  
Dikmen G.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.225, 2020 (SCI-Expanded)
- XXIII. **Effect of the acid type on clinoptilolite-rich tuff for hydrogen storage**  
Erdogan B., DİKMEN G.  
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, cilt.45, sa.3, ss.2017-2021, 2020 (SCI-Expanded)
- XXIV. **Structural characterization of interaction between SWCNTs and 6-phenyl-2-thiouracil by molecular spectroscopic methods**  
Dikmen G., Alver O.  
CHEMICAL PHYSICS LETTERS, cilt.734, 2019 (SCI-Expanded)
- XXV. **Synthesis and spectroscopic properties of 1-benzyl-5,6 diamino-2-thiouracil bonded graphene oxide**  
DİKMEN G.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1182, ss.95-99, 2019 (SCI-Expanded)
- XXVI. **Molecule decomposition via plasma jet at atmospheric pressure**  
TANIŞLI M., TAŞAL E., Sahin N., DİKMEN G.  
JOURNAL OF MOLECULAR LIQUIDS, cilt.277, ss.912-920, 2019 (SCI-Expanded)
- XXVII. **Palladium (II) complex: Synthesis, spectroscopic studies and DFT calculations**  
DİKMEN G., Hur D.  
CHEMICAL PHYSICS LETTERS, cilt.716, ss.49-60, 2019 (SCI-Expanded)
- XXVIII. **Talazoparib Loaded Solid Lipid Nanoparticles: Preparation, Characterization and Evaluation of the**

### **Therapeutic Efficacy In Vitro**

Eskiler G. G., ÇEÇENER G., DİKMEN G., EGELİ Ü., TUNCA B.

CURRENT DRUG DELIVERY, cilt.16, sa.6, ss.511-529, 2019 (SCI-Expanded)

- XXIX. **Determination of the solubility of 2-Methyl-1,3-benzothiazol-5-amine molecule with aqueous ethanol by NMR spectroscopy**  
DİKMEN G.  
JOURNAL OF MOLECULAR LIQUIDS, cilt.272, ss.851-856, 2018 (SCI-Expanded)
- XXX. **Solid lipid nanoparticles: Reversal of tamoxifen resistance in breast cancer**  
Eskiler G. G., ÇEÇENER G., DİKMEN G., EGELİ Ü., TUNCA B.  
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.120, ss.73-88, 2018 (SCI-Expanded)
- XXXI. **An investigation onto the molecular structure of 5-chloro-3-(2-(4-ethylpiperazine-1-yl)-2-oxoethyl)benzo[d]thiazole-2(3H)-on drug molecule before and after atmospheric pressure plasma treatment**  
Tanisli M., TAŞAL E., ŞAHİN N., DİKMEN G.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1159, ss.135-146, 2018 (SCI-Expanded)
- XXXII. **NMR determination of solvent dependent behavior and XRD structural properties of 4-carboxy phenylboronic acid: A DFT supported study**  
Dikmen G., Alver Ö., Parlak C.  
CHEMICAL PHYSICS LETTERS, cilt.698, ss.114-119, 2018 (SCI-Expanded)
- XXXIII. **Experimental nuclear magnetic resonance spectral assignments, H-1/C-13 GIAO calculations, molecular structure and molecular resonance states of 4-Methyl-1H-Indazole-5-Boronic acid**  
DİKMEN G.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1156, ss.136-145, 2018 (SCI-Expanded)
- XXXIV. **INFLUENCE OF CARVACROL ON THE PLANKTONIC AND BIOFILM FORMS OF SALMONELLA SPP AND LISTERIA MONOCYTOGENES**  
DAĞ İ., YENİCE GÜRSU B., DİKMEN G., Ulken Z.  
FRESENIUS ENVIRONMENTAL BULLETIN, cilt.27, sa.11, ss.7270-7277, 2018 (SCI-Expanded)
- XXXV. **4-Methyl-1H-Indazole-5-Boronic acid: Crystal structure, vibrational spectra and DFT simulations**  
DİKMEN G.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1150, ss.299-306, 2017 (SCI-Expanded)
- XXXVI. **The true methodology for rhamnolipid: Various solvents affect rhamnolipid characteristics**  
Cakmak H., Gungormedi G., Dikmen G., Aydar Çelik P., Çabuk A.  
EUROPEAN JOURNAL OF LIPID SCIENCE AND TECHNOLOGY, cilt.119, sa.10, 2017 (SCI-Expanded)
- XXXVII. **NMR, FT-IR spectroscopic studies and molecular docking study of 4-acetoxyphenethyl acrylate**  
DİKMEN G., ALVER Ö.  
JOURNAL OF THEORETICAL & COMPUTATIONAL CHEMISTRY, cilt.16, sa.3, 2017 (SCI-Expanded)
- XXXVIII. **Investigation of tautomeric behavior of 3-amino-4-[4-(dimethylamino)phenyl]-4,5-dihydro-1,2,5-thiadiazole 1,1-dioxide using Fourier Transform infrared and nuclear magnetic resonance spectroscopic methods: A density functional theory supported study**  
ERTÜRK A. G., Gumus S., DİKMEN G., ALVER Ö.  
CHEMICAL PHYSICS LETTERS, cilt.661, ss.151-156, 2016 (SCI-Expanded)
- XXXIX. **A novel [Mn2(μ-(C6H5)2CHCOO)2(bipy)4](bipy)(ClO4)2 complex loaded solid lipid nanoparticles: synthesis, characterization and in vitro cytotoxicity on MCF-7 breast cancer cells**  
Eskiler G. G., ÇEÇENER G., Dikmen G., Kani I., Egeli U., Tunca B.  
Journal of Microencapsulation, cilt.33, sa.6, ss.575-584, 2016 (SCI-Expanded)
- XL. **Effects of hydrochloric acid treatment on structure characteristics and C2H4 adsorption capacities of nye bentonite from Turkey: a combined FT-IR, XRD, XRF, TG/DTA and MAS NMR study**  
ERDOĞAN ALVER B., ALVER Ö., Gunal A., DİKMEN G.  
ADSORPTION-JOURNAL OF THE INTERNATIONAL ADSORPTION SOCIETY, cilt.22, sa.3, ss.287-296, 2016 (SCI-Expanded)
- XLI. **Structure analysis and spectroscopic characterization of 2-Fluoro-3-Methylpyridine-5-Boronic Acid**

**with experimental (FT-IR, Raman, NMR and XRD) techniques and quantum chemical calculations**

ALVER Ö., Dikmen G.

JOURNAL OF MOLECULAR STRUCTURE, cilt.1108, ss.103-111, 2016 (SCI-Expanded)

- XLII. **The Anticancer Activity of Complex [Cu-2(mu-(C6H5)(2)CHCOO)(3)(bipy)(2)](ClO4) -Solid Lipid Nanoparticles on MCF-7 Cells**  
KANİ İ., DİKMEN G., Eskiler G. G., ÇEÇENER G., TUNCA B., EGELİ Ü.  
CURRENT DRUG DELIVERY, cilt.13, sa.8, ss.1339-1350, 2016 (SCI-Expanded)
- XLIII. **Structural characterization, solvent effects on nuclear magnetic shielding tensors, experimental and theoretical DFT studies on the vibrational and NMR spectra of 3-(acrylamido)phenylboronic acid**  
ALVER Ö., Kaya M. F., Dikmen G.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1102, ss.285-294, 2015 (SCI-Expanded)
- XLIV. **NMR, FT-IR, Raman and UV-Vis spectroscopic investigation and DFT study of 6-Bromo-3-Pyridinyl Boronic Acid**  
DİKMEN G., ALVER Ö.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1099, ss.625-632, 2015 (SCI-Expanded)
- XLV. **Characterization of Solid Lipid Nanoparticles Containing Caffeic Acid and Determination of its Effects on MCF-7 Cells**  
DİKMEN G., Guney G., GENÇ L.  
RECENT PATENTS ON ANTI-CANCER DRUG DISCOVERY, cilt.10, sa.2, ss.224-232, 2015 (SCI-Expanded)
- XLVI. **Vibrational spectroscopic investigation of methyl(5-[2-thienylcarbonyl]-1H- benzimidazol-2-yl): A comparative density functional study**  
Alver Ö., PARLAK C., Fatih Kaya M., Dikmen G., Genç L.  
Journal of Structural Chemistry, cilt.55, sa.3, ss.438-445, 2014 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **INVESTIGATION OF TAUTOMERIC STRUCTURES OF 6-AZA-2-THIOURACIL-5- CARBOXYLIC ACID USING VIBRATIONAL SPECTROSCOPY ALONG WITH DFT THEORETICAL METHOD**  
Dikmen G.  
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY - A Applied Sciences and Engineering, cilt.22, sa.1, ss.23-35, 2021 (Hakemli Dergi)
- II. **NMR SPEKTROSKOPİSİ İLE EKMEKLİK BUĞDAYDA KİMYASAL İÇERİK ANALİZİ**  
KOYUNCU O., DİKMEN G., BUDAK BAŞÇİFTÇİ Z., OLGUN M., AYTER N. G., ARDIÇ M., SEZER O., belen s., aydın d., KARADUMAN Y.  
ESKİŞEHİR TEKNİK ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİC- YAŞAM BİLİMLERİ VE BİYOTEKNOLOJİ, cilt.9, sa.2, ss.190-197, 2020 (Hakemli Dergi)
- III. **1-(4-CHLOROPHENYL) PIPERAZINE: FT-IR, RAMAN, NMR AND THEORETICAL STUDIES**  
DİKMEN G.  
ESKİŞEHİR TECHNICAL UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY A- APPLIED SCIENCES AND ENGINEERING, cilt.20, sa.2, ss.133-142, 2019 (Hakemli Dergi)
- IV. **Influence of surface kind on biofilm formation by Salmonella spp. and Listeria monocytogenes from food-contact surfaces**  
YENİCE GÜRSU B., DAĞ İ., İset Ş., DİKMEN G.  
Biological Diversity and Conservation, cilt.1, ss.124-132, 2017 (Hakemli Dergi)
- V. **Besin temas yüzeylerinden elde edilen Salmonella spp. ve Listeria monocytogenes izolatlarının biyofilm oluşumu üzerine yüzey çeşidinin etkisi**  
YENİCE GÜRSU B., DAĞ İ., İset Ş., DİKMEN G.  
Biological Diversity and Conservation, cilt.10, sa.1, ss.124-132, 2017 (Hakemli Dergi)
- VI. **Investigation of The Influence of Heat Treatment on the Structural Properties of Illite Rich Clay Mineral Using FT IR 29Si MAS NMR TG and DTA Methods**

ERDOĞAN ALVER B., DİKMEN G., ALVER Ö.

Anadolu University Journal of Science and Technology A-Applied Sciences and Engineering, cilt.17, sa.5, ss.823-829, 2016 (Hakemli Dergi)

**VII. THE INVESTIGATION OF THE EFFECT OF GRAIN SIZE ON RAMAN AND <sup>29</sup>Si MAS NMR SPECTRA OF BENTONITES FROM TURKEY**

ERDOĞAN ALVER B., DİKMEN G., ALVER Ö.

Anadolu University Journal of Science and Technology-A Applied Sciences and Engineering, cilt.17, sa.1, 2016 (Hakemli Dergi)

**VIII. Drug carrier nanosystems in malignant pleural mesothelioma**

TURGUT COŞAN D., AK G., DAĞ İ., Soyocak A., DİKMEN G., Dal A., Gunes H. V., METİNTAŞ M.

TUBERKULOZ VE TORAK-TUBERCULOSIS AND THORAX, cilt.64, sa.1, ss.60-68, 2016 (ESCI)

**IX. Validated HPLC method for the determination of nocodazole in solid lipid nanoparticle formulation**

DİKMEN G., GENÇ L., ŞENER E.

Turkish Journal of Pharmaceutical Sciences, cilt.11, sa.2, ss.209-216, 2014 (Scopus)

**X. Formulation of Nano Drug Delivery Systems**

GENÇ L., DİKMEN G., GÜNEY ESKİLER G.

Journal of Materials Science and Engineering A, ss.132-137, 2011 (Hakemli Dergi)

**XI. Advantage and Disadvantage in Drug Delivery Systems**

DİKMEN G., GENÇ L., GÜNEY G.

Journal of Materials Science and Engineering A, 2011 (Hakemli Dergi)

**XII. Use of nanocarrier systems in cancer therapy**

GÜNEY G., GENÇ L., DİKMEN G.

Journal of Materials Science and Engineering A, cilt.5, sa.5, 2011 (Hakemli Dergi)

## Kitap & Kitap Bölümleri

**I. NANO-BASED DRUG DELIVERY SYSTEM**

GÜNEY G., DİKMEN G., GENÇ L.

NANO BASED DRUG DELIVERY SYSTEM, Jitendra Naik, Editör, IAPC Publishing, ss.89-146, 2015

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

**I. Determination of N95 Respirators Reusability After UV-C Light Disinfection During the COVID-19 Pandemia**

DİKMEN Z., DİKMEN G., paksoy n., BÜTÜN V.

CONCOVID Conference, Türkiye, 12 - 14 Haziran 2020

**II. Determination of Interaction between SWCNTs and Galactose by FT-IR, Raman and Solid State NMR Spectroscopic Methods and DFT**

DİKMEN G.

15th Nanoscience and Nanotechnology Conference (NANOTR-15), Antalya, Türkiye, 3 - 06 Kasım 2019

**III. Determination of Temperature-Dependent Conformation States of Cinnamic Acid By Spectroscopic Methods**

DİKMEN G.

Adım Fizik Günleri VIII, Türkiye, 12 - 15 Eylül 2019

**IV. Characterization of dispersed carbon nanotubes by NMR**

DİKMEN G.

Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Türkiye, 9 - 12 Eylül 2018

**V. Determination of Cross-Linking Degree Using Solid State NMR**

DİKMEN G.

Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Türkiye, 9 - 12 Eylül 2018

- VI. **Determination of Polymer Crystallinity and Crystallization Kinetics Using NMR Spectroscopy**  
DİKMEN G.  
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Türkiye, 9 - 12 Eylül 2018
- VII. **Therapeutic potential of BMN 673 loaded solid lipid nanoparticles in triple negative breast cancer**  
GÜNEY ESKİLER G., ÇEÇENER G., DİKMEN G., EGELİ Ü., TUNCA B.  
6 th International Conference Nanotechnology and Nanomaterials (NANO-2018), 27 - 30 Ağustos 2018
- VIII. **A novel Zn(II) complex loaded solid lipid nanoparticles for breast cancer treatment: Synthesis, characterization and cytotoxic studies**  
GÜNEY ESKİLER G., ÇEÇENER G., KANI İ., DİKMEN G., EGELİ Ü., TUNCA B.  
6 th International Conference Nanotechnology and Nanomaterials (NANO-2018), 27 - 28 Ağustos 2018
- IX. **The Interactions of piperazine-derived molecule with discharge at atmospheric conditions**  
ŞAHİN N., TANIŞLI M., TAŞAL E., DİKMEN G.  
International Chemistry Biology Conference'18, Sharm El Sheikh, Mısır, 11 - 14 Temmuz 2018
- X. **Determination of Particle Size of Nanoparticles By NMR Spectroscopy**  
DİKMEN G.  
4th International Conference on New Trends In Chemistry, 11 - 13 Mayıs 2018
- XI. **Investigation of Interaction Between 2-thiouracil and TiO<sub>2</sub> Through NMR, FT-IR, Raman Spectroscopic Methods and DFT**  
DİKMEN G.  
4th International Conference on New Trends In Chemistry, 11 - 13 Mayıs 2018
- XII. **Candida albicans'ın Germ Tüp Oluşumu Üzerine Esansiyel Bir Yağ Olan Cinnamaldehyde'in Etkisi**  
DAĞ İ., YENİCE GÜRSU B., DİKMEN G.  
7. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Türkiye, 02 Mayıs 2018
- XIII. **Ramrolipid Üretiminde Farklı Solvent Ekstraksiyon Stratejileri**  
Çakmak H., Güngörmedi G., Dikmen G., Aytar Çelik P., Çabuk A.  
Uluslararası Katılımlı 19. Ulusal Biyoteknoloji Kongresi, Eskişehir, Türkiye, 1 - 03 Aralık 2017
- XIV. **Boronik asit türevi moleküllerin ve karbon nanotüplerin DNA'ya bağlanmalarının spektroskopik yöntemler ile belirlenmesi**  
DİKMEN G.  
19.Uluslararası katılımlı ulusal biyoteknoloji kongresi, Türkiye, 1 - 03 Aralık 2017
- XV. **Karvakrol Yüklü Katı Lipid Nanopartiküllerin Planktonik Salmonella ve Listeria Monocytogenes Hücreleri Üzerine Etkileri**  
DAĞ İ., YENİCE GÜRSU B., DİKMEN G.  
Uluslararası katılımlı ulusal biyoteknoloji kongresi, Türkiye, 1 - 03 Aralık 2017
- XVI. **Development of T1 Relaxation Times for Clay Samples**  
ALVER Ö., DİKMEN G., ERDOĞAN B.  
3rd International Porous Powder Materials SymposiumExhibition, 12 - 15 Eylül 2017
- XVII. **Determination of Interactions Between Single Wall Carbon Nanotubes and 6-Phenyl-2-Thiouracil using Some Spectroscopic Methods (FT-IR, Raman, XRD and NMR)**  
ALVER Ö., DİKMEN G.  
3rd International Porous Powder Materials SymposiumExhibition, 12 - 15 Eylül 2017
- XVIII. **Structure Analysis and Spectroscopic Characterization of 4 Acetoxyphenylacrylate with FT IR and NMR Techniques and Molecular Docking Studies**  
DİKMEN G., ALVER Ö.  
2nd International Congress on The World of Technology and Advanced Materials, 28 Eylül - 02 Ekim 2016
- XIX. **The Investigation of Effect of Carvacrol on Biofilm positive Salmonella spp and Listeria monocytogenes isolates**  
DAĞ İ., Gürsu B. Y., DİKMEN G.  
The 16th European Microscopy Congress-EMC 2016, 28 Ağustos - 02 Eylül 2016
- XX. **Characterization and Preparation of Carvacrol Loaded Solid Lipid Nanoparticles and Imaging with**

## Scanning Electron Microscopy SEM

DİKMEN G., DAĞ İ., GÜRSU B. Y.

The 16th European Microscopy Congress-EMC 2016, 28 Ağustos - 02 Eylül 2016

- XXI. **Investigation of Biofilm Forming Capabilities on Stainless Steel Surfaces of Some Foodborne Pathogens**  
Gürsu B. Y., DİKMEN G., DAĞ İ.  
The 16th European Microscopy Congress-EMC 2016, 28 Ağustos - 02 Eylül 2016
- XXII. **Influence of Heat Treatment on The Structural Properties of Zeolites from Turkey Followed by FT IR MAS NMR and XRD Methods**  
ERDOĞAN ALVER B., DİKMEN G., ALVER Ö.  
2nd International Congress on The World of Technology and Advanced Materials, 28 Eylül - 02 Ekim 2016
- XXIII. **Spectroscopic characterization of 4-carboxy phenyl boronic acid with experimental (FT-IR, Raman, NMR and UV-VIS) techniques and DFT studies**  
DİKMEN G., ALVER Ö.  
2nd International Congress on The World of Technology and Advanced Materials, 28 Eylül - 02 Ekim 2016
- XXIV. **Analysis of the Heat Treatment Effect on the Structural Properties of Illite Rich Clay Mineral from Turkey With FT IR MAS NMR TG and DTA Spectroscopic Methods**  
ERDOĞAN ALVER B., ALVER Ö., DİKMEN G.  
2nd International Congress on The World of Technology and Advanced Materials, 28 Eylül - 02 Ekim 2016
- XXV. **The Effect of Solid Lipid Nanoparticles on Tamoxifen Resistant Breast Cancer Cells**  
GÜNEY G., ÇEÇENER G., DİKMEN G., GENÇ L., EGELİ Ü.  
3rd International Conference on Pharmacy and Pharmaceutical Science (ICPPS 2016), 11 - 13 Mayıs 2016, cilt.8
- XXVI. **Doğal ve Modifiye Bentonitlerin Karakterizasyonu ve Etilen Adsorpsiyon Özelliklerinin İncelenmesi**  
Günel A., ERDOĞAN ALVER B., ALVER Ö., DİKMEN G.  
Adım Fizik Günleri V, Türkiye, 21 - 23 Nisan 2016
- XXVII. **A therapeutic approach for Cu(II) complex, [Cu<sub>2</sub>(μ-(C<sub>6</sub>H<sub>5</sub>)<sub>2</sub>CHCOO)<sub>3</sub>(bipy)<sub>2</sub>](ClO<sub>4</sub>): The potential cytotoxic and apoptotic effects of developed SLNs formulation as drug delivery system**  
GÜNEY ESKİLER G., ÇEÇENER G., KANI İ., DİKMEN G., TUNCA B., EGELİ Ü.  
Special Conference EACR AACR SIC, 20 - 23 Haziran 2015
- XXVIII. **Gıda Kaynaklı Bazı Patojenlerin Biofilm Oluşturma Yeteneklerinin İncelenmesi**  
YENİCE GÜRSU B., DAĞ İ., İset Ş., Ülken Z., DİKMEN G.  
18.Ulusal Biyoteknoloji Kongresi, Konya, Türkiye, 18 - 19 Aralık 2015
- XXIX. **Benzotriazol paladyum komplekslerinin Nanofiberlere Yüklenmesi Karakterizasyonu ve MCF 7 Hücreleri Üzerine Etkilerinin İncelenmesi**  
DİKMEN G., GENÇ L., HÜR D.  
18.Ulusal Biyoteknoloji Kongresi, Konya, Türkiye, 18 - 19 Aralık 2015
- XXX. **Sıçan Glioblastoma Hücreleri Üzerine Tek Duvarlı Karbon Nanotüp ve Katı Lipid Nanopartikül Etkilerinin Araştırılması**  
TURGUT COŞAN D., DAĞ İ., SOYOCAK A., DİKMEN G., DAL A., GÜNEŞ H. V.  
18. Ulusal Biyoteknoloji Kongresi, Türkiye, 18 - 19 Aralık 2015
- XXXI. **Preparation and Characterization of Carbon Nanotubes and Investigation of Their Anti-Cancer Activity**  
GENÇ L., DİKMEN G.  
International Multidisciplinary Symposium on Drug Research Development, 15 - 17 Ekim 2015
- XXXII. **The Investigation of the Effect of Grain Size on Raman Spectra of Bentonites From TURKEY**  
DİKMEN G., ALVER Ö., ERDOĞAN B.  
International Porous Powder Materials Symposium Exhibition, 15 - 18 Eylül 2015
- XXXIII. **Imaging of Solid Lipid Nanoparticles Using SEM TEM and AFM**  
DİKMEN G.  
Elektron Mikroskopi Kongresi 2015, Türkiye, 2 - 05 Eylül 2015
- XXXIV. **Characterization and Preparation of Benzotriazole Palladium Complex Loaded Solid Lipid**



## **Nanoparticles**

DİKMEN G., HÜR D., GENÇ L.

Drug DiscoveryTherapy World Congress 2015, Boston, Amerika Birleşik Devletleri, 22 - 25 Temmuz 2015

XXXV. **Preparation and Characterization of Cis Platin Loaded Nano Lipid Particles and Investigation of Their Anticancer Activity**

GENÇ L., DİKMEN G., Görgülü Kahyaoğlu ş.

Drug DiscoveryTherapy World Congress 2015, Boston, Amerika Birleşik Devletleri, 22 - 25 Temmuz 2015

XXXVI. **2 Fluoro 3 Methylpyridine 5 Boronic Acid NMR FT IR Raman and DFT Studies**

ALVER Ö., DİKMEN G.

Adım Fizik Günleri 4, Kütahya, Türkiye, 28 - 29 Mayıs 2015

XXXVII. **DFT study NMR FT IR Raman spectroscopic investigation of 6 Bromo 3 Pyridinyl Boronic Acid 6B3PBA**

DİKMEN G., ALVER Ö.

Adım Fizik Günleri 4, Kütahya, Türkiye, 28 - 29 Mayıs 2015

XXXVIII. **The characterization of ascorbic acid loaded solid lipidnanoparticles**

DİKMEN G., GÜNEY ESKİLER G.

European Journal of Cancer, 5 - 08 Temmuz 2014

XXXIX. **Preparation Characterization and In vitro Cytotoxicity of Ascorbic Acid Loaded Ag Nanoparticles**

GENÇ L., DİKMEN G., CANTÜRK Z.

2nd International BAU-Drug Design Symposium, 17 - 19 Nisan 2014

XL. **Determination of Nocodazole in Solid Lipid Nanoparticles By Using HPLC**

DİKMEN G., GENÇ L., ŞENER E.

International Multidisciplinary Symposium On Drrug ResearchDevelopment, 28 - 30 Kasım 2013

XLI. **Experimental and Theoretical Vibrational Analyses and Molecular Conformations of Nocodazole**

ALVER Ö., PARLAK C., GENÇ L., KAYA M. F., DİKMEN G.

2nd International Conference on Computation For Science and Technology, 9 - 11 Temmuz 2012

XLII. **Formulation of Nano Drug Delivery Systems**

GENÇ L., DİKMEN G., GÜNEY ESKİLER G.

6th Nanoscience and Nanotechnology Conference (NanoTr-VI), Türkiye, 15 - 18 Haziran 2010

XLIII. **Use of Nanocarrier Systems in Cancer Therapy**

GÜNEY ESKİLER G., GENÇ L., DİKMEN G.

6th Nanoscience and Nanotechnology Conference (NanoTr-VI), Türkiye, 15 - 18 Haziran 2010

XLIV. **Advantage and Disadvantage in Drug Delivery Systems**

DİKMEN G., GENÇ L., GÜNEY ESKİLER G.

6th Nanoscience and Nanotechnology Conference (NanoTr-VI), Türkiye, 15 - 18 Haziran 2010

## **Desteklenen Projeler**

DİKMEN G., DİKMEN Z., Yükseköğretim Kurumları Destekli Proje, Tiyol Türevi Moleküllerin DFT, Spektroskopik Yöntemler ve Sers Tekniği ile Araştırılması, DNA,BSA ve HSA' ya Bağlanması, 2020 - 2021

DİKMEN G., Yükseköğretim Kurumları Destekli Proje, Benzoik Asit ve Türevlerinin Nötral Amin Ligandlarını ile Zn(ÇİNKO) Komplekslerinin Sentezi ve Spektroskopik ve DFT Yöntemleri ile Karakterizasyonu, 2018 - 2019

BÜTÜN V., GÜRSOY Y. H., USLU O., SOLMAZ G., ŞİRİN D. Ü., DAĞ İ., YENİCE GÜRSU B., DİKMEN G., ŞENGEL T., Yükseköğretim Kurumları Destekli Proje, Biyolojik, Organik ve İnorganik Malzemelerin Elektron Mikroskoplar ile Görüntüleme ve İleri Nitel-Nicel Yapı Analizleri, 2017 - 2019

DAĞ İ., DİKMEN G., YENİCE GÜRSU B., Yükseköğretim Kurumları Destekli Proje, Karvakrol ve Karvakrol Yüklü Katı Lipid Nanopartiküllerin Antimikrobiyal ve Antibiyofilm Etkinliklerinin Karşılaştırılması, 2016 - 2018

## **Patent**

Dikmen G., PELLET HAZIRLAMA SETİ, Patent, BÖLÜM G Fizik, Buluşun Tescil No: TR2018 10400 A2 , Standart Tescil, 2023

## **Metrikler**

Yayın: 104

Atf (WoS): 216

Atf (Scopus): 247

H-İndeks (WoS): 9

H-İndeks (Scopus): 10