Assoc. Prof. GÖKHAN DİKMEN

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Education Information

Doctorate, Anadolu University, Institute Of Scıence, Atom Ve Molekül Fiziği (Dr), Turkey 2012 - 2016
Postgraduate, Anadolu University, Institute Of Scıence, Department Of Advanced Technologıes, Turkey 2009 - 2012
Undergraduate, Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 2005 - 2009

Dissertations

Doctorate, Bazı Boronik Asit Türevlerinin DFT, Raman, FT-IR ve NMR spektroskopik yöntemler ile teorik ve deneysel olarak incelenmesi, Anadolu University, Fen Bilimleri Enstitüsü, Atom Ve Molekül Fiziği (Dr), 2016
Postgraduate, Nokodazol yüklü katı lipid nanopartiküllerin hazırlanması ve karakterizasyonu, Anadolu University, Fen Bilimleri Enstitüsü, İleri Teknolojiler Anabilim Dalı (Disiplinlerarası), 2012

Research Areas

Atomic and Molecular Physics

Academic Titles / Tasks

Associate Professor, Eskisehir Osmangazi University, Rektörlük, Rektörlük, 2020 - Continues
Lecturer, Eskisehir Osmangazi University, Rektörlük, 2013 - Continues

Academic and Administrative Experience

Assistant Manager of Research and Application Center, Eskisehir Osmangazi University, Rektörlük, Rektörlük, 2022 - 2023

Courses

Advanced Liquid NMR Techniques, Doctorate, 2022 - 2023
Genel Fizik 2, Undergraduate, 2017 - 2018
Genel Fizik 1, Undergraduate, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Application of high sensitive silver nanocubes SERS substrate for detection of metribuzin**
Ay K. O., DİKMEN G., KOYUNCU O.
JOURNAL OF MOLECULAR STRUCTURE, vol.1297, 2024 (SCI-Expanded)

II. **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, vol.303, 2023 (SCI-Expanded)

III. **Novel fluorescent sensors based on coumarin-hydrazide-hydrazone hybrid for the detection of CN-, Co²⁺ and Ni²⁺ ions: DFT and bioimaging in living cells**
Turhan O., YAMAN M., DİKMEN G., NURAL Y., SARIBOYACI A. (., Tasa B. A., Soykan M. N., SEFEROĞLU Z.
JOURNAL OF MOLECULAR LIQUIDS, vol.392, 2023 (SCI-Expanded)

IV. **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, vol.445, 2023 (SCI-Expanded)

V. **A New Dinuclear Copper(II)-Hydrazone Complex: Synthesis, Crystal Structure and Antibacterial Activity**
Sevda E., Ünver H., DİKMEN G.
Letters in Organic Chemistry, vol.20, no.4, pp.376-387, 2023 (SCI-Expanded)

VI. **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, vol.1221, 2023 (SCI-Expanded)

VII. **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, vol.37, no.19, pp.2696-2711, 2023 (SCI-Expanded)

VIII. **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, vol.368, 2022 (SCI-Expanded)

IX. **Ultrasensitive detection of amoxicillin using the plasmonic silver nanocube as SERS active substrate**
DİKMEN G.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.278, 2022 (SCI-Expanded)

X. **Host-guest interaction of anti-carcinogenic drug zoledronic acid with β-cyclodextrin in solid and solution forms**
DİKMEN G.
Journal of Molecular Structure, vol.1261, 2022 (SCI-Expanded)

XI. **Determination of drug release profile of doxorubicin encapsulated in SLN with NMR spectroscopy**
DİKMEN G.
Journal of Molecular Structure, vol.1258, 2022 (SCI-Expanded)

XII. **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, vol.25, no.2, pp.245-258, 2022 (SCI-Expanded)

XIII. **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, vol.52, no.8, pp.1153-1160, 2022 (SCI-Expanded)

XIV. **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, vol.335, 2021 (SCI-Expanded)

XV. **Intrinsic physicochemical interactions of calcium hydroxide-based medications**
USLU O., DİKMEN G., ORHAN E. O.
MICROSCOPY RESEARCH AND TECHNIQUE, vol.84, no.3, pp.432-440, 2021 (SCI-Expanded)

XVI. **A new Pd(II)-Hydrazide-Triphenylphosphine complex: Synthesis, crystal structure, spectroscopic characterization and theoretical calculations**
Dikmen G., Unver H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1225, 2021 (SCI-Expanded)

XVII. **The application of qNMR for the determination of rosuvastatin in tablet form**
Dikmen G., Uslu O.
TURKISH JOURNAL OF CHEMISTRY, vol.45, no.1, pp.132-143, 2021 (SCI-Expanded)

XVIII. **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, vol.58, no.4, pp.421-431, 2020 (SCI-Expanded)

XIX. **Synthesis, spectroscopic characterization (FT-IR, Raman, UV-VIS, XRD), DFT studies and DNA binding properties of [Ni(C6H5CH2COO)(C12H8N2)(2)](ClO4)(CH3OH) compound**
DİKMEN G., Kani I.
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XX. **Synthesis, spectroscopic characterization and theoretical studies of (4-boronobenzoyl)serine**
Dikmen G., Hur D.
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XXI. **The Raman, SERS and computational studies of 3,5-dimethoxy-4-hydroxycinnamic acid and its silver complex**
Dikmen G.
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XXII. **Effect of the acid type on clinoptilolite-rich tuff for hydrogen storage**
Erdogan B., DİKMEN G.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.45, no.3, pp.2017-2021, 2020 (SCI-Expanded)

XXIII. **Structural characterization of interaction between SWCNTs and 6-phenyl-2-thiouracil by molecular spectroscopic methods**
Dikmen G., Alver O.
CHEMICAL PHYSICS LETTERS, vol.734, 2019 (SCI-Expanded)

XXIV. **Synthesis and spectroscopic properties of 1-benzyl-5,6 diamino-2-thiouracil bonded graphene oxide**
DİKMEN G.
JOURNAL OF MOLECULAR STRUCTURE, vol.1182, pp.95-99, 2019 (SCI-Expanded)

XXV. **Molecule decomposition via plasma jet at atmospheric pressure**
TANIŞLI M., TAŞAL E., Sahin N., DİKMEN G.
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XXVI. **Palladium (II) complex: Synthesis, spectroscopic studies and DFT calculations**
DİKMEN G., Hur D.
CHEMICAL PHYSICS LETTERS, vol.716, pp.49-60, 2019 (SCI-Expanded)

XXVII. **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.
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XXVIII. **Determination of the solubility of 2-Methyl-1,3-benzothiazol-5-amine molecule with aqueous ethanol by NMR spectroscopy**

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JOURNAL OF MOLECULAR LIQUIDS, vol.272, pp.851-856, 2018 (SCI-Expanded)

XXIX. **Solid lipid nanoparticles: Reversal of tamoxifen resistance in breast cancer**
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XXX. **An investigation onto the molecular structure of 5-chloro-3-(2-(4-ethylpiperazine-1-il)-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.
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XXXI. **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, vol.698, pp.114-119, 2018 (SCI-Expanded)

XXXII. **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, vol.1156, pp.136-145, 2018 (SCI-Expanded)

XXXIII. **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, vol.27, no.11, pp.7270-7277, 2018 (SCI-Expanded)

XXXIV. **4-Methyl-1H-Indazole-5-Boronic acid: Crystal structure, vibrational spectra and DFT simulations**
DİKMEN G.
JOURNAL OF MOLECULAR STRUCTURE, vol.1150, pp.299-306, 2017 (SCI-Expanded)

XXXV. **The true methodology for rhamnolipid: Various solvents affect rhamnolipid characteristics**
Cakmak H., Gungormedi G., Dikmen G., Aytar Çelik P., Çabuk A.
EUROPEAN JOURNAL OF LIPID SCIENCE AND TECHNOLOGY, vol.119, no.10, 2017 (SCI-Expanded)

XXXVI. **NMR, FT-IR spectroscopic studies and molecular docking study of 4-acetoxyphenethyl acrylate**
DİKMEN G., ALVER Ö.
JOURNAL OF THEORETICAL & COMPUTATIONAL CHEMISTRY, vol.16, no.3, 2017 (SCI-Expanded)

XXXVII. **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, vol.661, pp.151-156, 2016 (SCI-Expanded)

XXXVIII. **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, vol.33, no.6, pp.575-584, 2016 (SCI-Expanded)

XXXIX. **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, vol.22, no.3, pp.287-296, 2016 (SCI-Expanded)

XL. **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.
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XLI. **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, vol.13, no.8, pp.1339-1350, 2016 (SCI-Expanded)

XLII. **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, vol.1102, pp.285-294, 2015 (SCI-Expanded)

XLIII. **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, vol.1099, pp.625-632, 2015 (SCI-Expanded)

XLIV. **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, vol.10, no.2, pp.224-232, 2015 (SCI-Expanded)

XLV. **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, vol.55, no.3, pp.438-445, 2014 (SCI-Expanded)

Articles Published in Other Journals

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, vol.22, no.1, pp.23-35, 2021 (Peer-Reviewed Journal)

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, vol.9, no.2, pp.190-197, 2020 (Peer-Reviewed Journal)

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, vol.20, no.2, pp.133-142, 2019 (Peer-Reviewed Journal)

IV. **Influence of surface kind on biofilm formation by Salmonella spp. and Listeria monocytogenesfrom food-contact surfaces**
YENİCE GÜRSU B., DAĞ İ., iset ş., DİKMEN G.
Biological Diversity and Conservation, vol.1, pp.124-132, 2017 (Peer-Reviewed Journal)

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, vol.10, no.1, pp.124-132, 2017 (Peer-Reviewed Journal)

VI. **Investigation of The Influence of Heat Treatment on the Structural Properties ofr 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, vol.17, no.5, pp.823-829, 2016 (Peer-Reviewed Journal)

VII. **THE INVESTIGATION OF THE EFFECT OF GRAIN SIZE ON RAMAN AND 29Si 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, vol.17, no.1, 2016 (Peer-Reviewed Journal)

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, vol.64, no.1, pp.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, vol.11, no.2, pp.209-216, 2014 (Scopus)

X. **Formulation of Nano Drug Delivery Systems**
GENÇ L., DİKMEN G., GÜNEY ESKİLER G.
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XI. **Advantage and Disadvantage in Drug Delivery Systems**
DİKMEN G., GENÇ L., GÜNEY G.
Journal of Materials Science and Engineering A, 2011 (Peer-Reviewed Journal)

XII. **Use of nanocarrier systems in cancer therapy**
GÜNEY G., GENÇ L., DİKMEN G.
Journal of Materials Science and Engineering A, vol.5, no.5, 2011 (Peer-Reviewed Journal)

Books & Book Chapters

I. **NANO-BASED DRUG DELIVERY SYSTEM**
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in: NANO BASED DRUG DELIVERY SYSTEM, Jitendra Naik, Editor, IAPC Publishing, pp.89-146, 2015

Refereed Congress / Symposium Publications in Proceedings

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, Turkey, 12 - 14 June 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, Turkey, 3 - 06 November 2019

III. **Determination of Temperature-Dependent Conformation States of Cinnamic Acid By Spectroscopic Methods**
DİKMEN G.
Adım Fizik Günleri VIII, Turkey, 12 - 15 September 2019

IV. **Characterization of dispersed carbon nanotubes by NMR**
DİKMEN G.
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Turkey, 9 - 12 September 2018

V. **Determination of Cross-Linking Degree Using Solid State NMR**
DİKMEN G.
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VI. **Determination of Polymer Crystallinity and Crystallization Kinetics Using NMR Spectroscopy**
DİKMEN G.
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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 August 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., KANİ İ., DİKMEN G., EGELİ Ü., TUNCA B.
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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, Egypt, 11 - 14 July 2018

X. **Determination of Particle Size of Nanoparticles By NMR Spectroscopy**
DİKMEN G.
4th International Conference on New Trends In Chemistry, 11 - 13 May 2018

XI. **Investigation of Interaction Between 2-thiouracil and TiO2 Through NMR, FT-IR, Raman Spectroscopic Methods and DFT**
DİKMEN G.
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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, Turkey, 02 May 2018

XIII. **Ramnolipid Üretiminde Farklı Solvent Ekstraksiyon Stratejileri**
Çakmak H., Güngörmedi G., Dikmen G., Aytar Çelik P., Çabuk A.
Uluslararası Katılımlı 19. Ulusal Biyoteknoloji Kongresi, Eskişehir, Turkey, 1 - 03 December 2017

XIV. **Boronik asit türevi moleküllerin ve karbon nanotüplerin DNA'ya bağlanmalarının spektroskopik yöntemler ile belirlenmesi**
DİKMEN G.
19.Uluslararası katılımlı ulusal biyoteknoloji kongresi, Turkey, 1 - 03 December 2017

XV. **Karvakrol Yüklü Katı Lipid Nanopartiküllerin Planktonik Salmonella ve Listeria Monocytogenes Hücreleri Üzerine Etkileri**
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XVI. **Development of T1 Relaxation Times for Clay Samples**
ALVER Ö., DİKMEN G., ERDOĞAN B.
3rd International Porous Powder Materials SymposiumExhibition, 12 - 15 September 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.
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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 September - 02 October 2016

XIX. **The Investigation of Effect of Carvacrol on Biofilm positive Salmonella spp and Listeria monocytogenes isolates**
DAĞ İ., Gürsu B. Y., DİKMEN G.
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XX. **Characterization and Preparation of Carvacrol Loaded Solid Lipid Nanoparticles and Imaging with Scanning Electron Microscopy SEM**
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XXI. **Investigation of Biofilm Forming Capabilities on Stainless Steel Surfaces of Some Foodborne**

Pathogens
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XXII. **Influence of Heat Treatment on The Structural Properties of Zeolites from Turkey Followed by FT IR MAS NMR and XRD Methods**
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XXIII. **Spectroscopic characterization of 4-carboxy phenyl boronic acid with experimental (FT-IR, Raman, NMR and UV-VIS) techniques and DFT studies**
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XXV. **The Effect of Solid Lipid Nanoparticles on Tamoxifen Resistant Breast Cancer Cells**
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XXVI. **Doğal ve Modifiye Bentonitlerin Karakterizasyonu ve Etilen Adsorpsiyon Özelliklerinin İncelenmesi**
Günal A., ERDOĞAN ALVER B., ALVER Ö., DİKMEN G.
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XXVII. **A therapeutic approach for Cu(II) complex, [Cu2(μ-(C6H5)2CHCOO)3(bipy)2)](ClO4): The potential cytotoxic and apoptoticeffects of developed SLNs formulation as drug delivery system**
GÜNEY ESKİLER G., ÇEÇENER G., KANİ İ., DİKMEN G., TUNCA B., EGELİ Ü.
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XXVIII. **Gıda Kaynaklı Bazı Patojenlerin Biofilm Oluşturma Yeteneklerinin İncelenmesi**
YENİCE GÜRSU B., DAĞ İ., İset Ş., Ülken Z., DİKMEN G.
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XXIX. **Benzotriazol paladyum komplekslerinin Nanofiberlere Yüklenmesi Karakterizasyonu ve MCF 7 Hücreleri Üzerine Etkilerinin İncelenmesi**
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