

## Prof. AYŞE OGAN

### Personal Information

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### Education Information

Postgraduate, Marmara University, Institute of Health Sciences, Temel Tıp Bilimleri (YI) (Tezli), Turkey 1984 - 1986

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Chemistry, Turkey 1975 - 1980

### Dissertations

Doctorate, Meme ucu akıntısının lipid kompozisyonunun incelenmesi ve anne sütünün lipid kompozisyonu ile karşılaştırılması, Marmara Üniversitesi, Institute of Health Sciences, 1992

Postgraduate, Tavşan anti-insan kazeininin elde edilmesi ve bioaktif prolaktinin ölçümünde kullanılması, Marmara Üniversitesi, Institute of Health Sciences, Temel Tıp Bilimleri (YI) (Tezli), 1986

### Research Areas

Natural Sciences

### Academic and Administrative Experience

Marmara University, Faculty of Arts and Sciences, Chemistry, 1998 - Continues

Marmara University, Faculty of Arts and Sciences, Chemistry, 2009 - 2012

Marmara University, Faculty of Arts and Sciences, Chemistry, 1993 - 2006

### Advising Theses

Ogan A., Çakmakçı E., Asetilkolinesterazin farklı polimerik yüzeylere immobilize edilmesi, Postgraduate, K.KHALED(Student), 2018

OGAN A., İlimli Halofil Bacillus türlerinden Lipaz enziminin izolasyonu, Postgraduate, B.Sinem(Student), 2017

Turan K., Ogan A., Halofilik mikroorganizmalara ait lipaz enzimlerinin Escherichia coli'de üretilmesi ve analizi, Postgraduate, A.O.(Student), 2017

Demir S., Ogan A., Laktaz enziminin immobilizasyonu, Postgraduate, O.SARSAR(Student), 2015

OGAN A., LL-37 peptidinin lignin kaprolakton polimerine immobilizasyonu ve antimikrobiyal özelliğinin incelenmesi, Postgraduate, D.Abdullahi(Student), 2015

Demir S., Ogan A., Asetilkolinesteraz (AChE) Enziminin Poliakrilik Asit Esaslı Nanofiber Membran Üzerine Kovalent

İmmobilizasyonu, Postgraduate, B.ÇAKIROĞLU(Student), 2015

Çubuk S., Ogan A., Lipaz enzimine çeşitli bitki ekstraktlarının etkisi, Postgraduate, D.ANBAR(Student), 2014

Ogan A., Danış Ö., Bazı kumarin türevlerinin glutatyon s-transferaz enzimi üzerindeki inhibe edici etkilerinin araştırılması, Postgraduate, M.Muhlis(Student), 2012

OGAN A., Hatay yöresindeki çeşitli bitkilerden elde edilen doğal bileşiklerin oksidatif stres üzerine etkisi, Postgraduate, T.Çimen(Student), 2012

Demir S., Ogan A., Çeşitli kumarin türlerinin oksidatif stres üzerine etkisi, Postgraduate, N.ARSLAN(Student), 2012

OGAN A., Genetik absans epilepsi (GAERS) deneysel modelinde korteks membran proteomlarının incelenmesi, Doctorate, B.Yüce(Student), 2011

OGAN A., Fındık kabuğundan lignin izolasyonu ve lignin/nişasta biyoçözünür polimerlerin elde edilmesi, Postgraduate, İ.Çalgeriş(Student), 2010

OGAN A., Genetik Absans Epilepsi (GAERS) deneysel modelinde Talamus ve Korteks proteomlarının profilendirilmesi, Doctorate, Ö.Danış(Student), 2010

OGAN A., Genetik absans epilepsi (GAERS) deneysel modelinde hipokampus proteomlarının profilendirilmesi, Doctorate, S.Demir(Student), 2007

OGAN A., Proteom analizi ile fare karaciğer dokusu proteinlerinde 7,8 - dihidroksi - 3- (4-metilfenil) kumarinin neden olabileceği değişikliklerin saptanması, Doctorate, V.Altay(Student), 2007

OGAN A., Hesperidin, Rutin ve 7,8-Dihidroksi-3-(4-Metilfenil) Kumarin bileşiklerinin lipit düşürücü ve antioksidan etkilerinin araştırılması, Postgraduate, B.Yüce(Student), 2006

Birbir M., Ogan A., Farklı Ortamlardan Ayırımı Yapılan Halofilik Bakterilerin Protein Profilleri ve Bu Bakterilerin Sellülaz Aktivitelerinin Ölçülmesi, Postgraduate, E.Çakmar(Student), 2005

Birbir M., Ogan A., Kaldırım ve Kayalık tuzlarından ayırımı yapılan aşırı halofil arkebakterilerin polar lipidlerinin karakterizasyonu, Postgraduate, M.NURİ(Student), 2005

OGAN A., Farklı ortamlardan ayırımı yapılan aşırı halofilik bakterilerin protein profilleri ve bu bakterilerin sellülaz enzim aktivitelerinin ölçülmesi, Postgraduate, E.Çakmar(Student), 2005

OGAN A., Aşırı halofilik archaea'nın çeşitli polimerik destek maddelerine immobilizasyonu ve selülaz aktivitelerinin tayini, Postgraduate, A.Gözüaçık(Student), 2004

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OGAN A., Hidroksi kumarin ve aminokumarin türevlerinin pıhtılaşma sistemi üzerinde etkisi, Postgraduate, Ö.Danış(Student), 2003

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OGAN A., 6-hidroksi dopamin ile parkinson oluşturulmuş sıçan beyinlerinden aromatik-L-Amino Asid dekarboksilaz enziminin izolasyonu ve enziminin iki boyutlu elektroforesz ile incelenmesi, Doctorate, A.Günel(Student), 2002

OGAN A., Dekarboksilaz aktivitesine sahip poliklonal antikor elde edilmesi, Doctorate, Ö.Gencer(Student), 2002

OGAN A., Kırmızı pancarın (Beta vulgaris L.subs.rapa frubra) vitamin B12 bağlayıcı proteinlerinin varlığının araştırılması, Postgraduate, S.Demir(Student), 2001

OGAN A., Anne sütünde insülin benzeri büyüme faktörü I'in bağlayıcı proteinlerinin blotting metodu ile analizi, Postgraduate, M.Yeldan(Student), 2001

OGAN A., Aspergillus niger mantarından elde edilen amiloglukosidazın saflaştırılması ve immobilizasyonu, Postgraduate, A.Gülsu(Student), 1998

OGAN A., Kırmızı pancarın çözünür proteinlerinin ayrıştırılması ve saflaştırılması.III-%60-65 amonyum sülfat doygunluğunda çöktürülmüş fraksiyon proteinleri, Postgraduate, A.Günel(Student), 1996

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

- I. **In vitro and in silico investigation of inhibitory activities of 3-arylcoumarins and 3-phenylazo-4-hydroxycoumarin on MAO isoenzymes**  
Yuce-Dursun B., Danış Ö., Ozalp L., Sahin E., Demir S., Erdem S., Ogan A.

STRUCTURAL CHEMISTRY, vol.34, no.5, pp.1715-1729, 2023 (SCI-Expanded)

- II. **Identification of some novel amide conjugates as potent and gastric sparing anti-inflammatory agents: In vitro, in vivo, in silico studies and drug safety evaluation**  
KULABAŞ N., Set İ., Aktay G., GÜRİSOY Ş., DANIŞ Ö., OGAN A., Sağ Erdem S., Erzincan P., Helvacioğlu S., Hamitoğlu M., et al.  
Journal of Molecular Structure, vol.1285, 2023 (SCI-Expanded)
- III. **In silico discovery of potential azole-containing mPGES-1 inhibitors by virtual screening, pharmacophore modeling and molecular dynamics simulations**  
Ozalp L., KÜÇÜKGÜZEL İ., OGAN A.  
STRUCTURAL CHEMISTRY, vol.33, no.4, pp.1157-1175, 2022 (SCI-Expanded)
- IV. **Soybean oil based resin: A new tool for improved immobilization of alpha-amylase**  
Kahraman M. V., Kayaman-Apohan N., Ogan A., Gungor A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.100, no.6, pp.4757-4761, 2006 (SCI-Expanded)
- V. **Spectrophotometric determination of leukocytes in urine**  
Imren-Eryilmaz E., Kuzu-Karsilayan H., Ogan A.  
JOURNAL OF CLINICAL LABORATORY ANALYSIS, vol.18, no.4, pp.251-254, 2004 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Synthesis and Biological Evaluation of Novel Paracetamol-Triazole Conjugates**  
kulabaş n., GURBOGA M., Bingöl Özakpınar Ö., Liu J., Jakobson P., Daniş Ö., Ogan A., Küçükgülzel İ.  
FABAD Journal of Pharmaceutical Sciences, vol.48, no.3, pp.395-410, 2023 (Scopus)
- II. **Asetilkolinesterazın Pirol İçeren Fotokürlenmiş Termosetlere İmmobilizasyonu**  
ALI K. K., DEMİR S., ÇAKMAKÇI E., OGAN A.  
SDU Journal of Natural and Applied Sciences, vol.27, pp.95-102, 2023 (Peer-Reviewed Journal)
- III. **Synthesis and evaluation of antiproliferative and mPGES-1 inhibitory activities of novel carvacrol-triazole conjugates**  
Demirbolat İ., KULABAŞ N., Gürboğa M., Özakpınar Ö., Çiftçi G., Yelekçi K., Liu J., Jakobsson P., DANIŞ Ö., OGAN A., et al.  
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- IV. **Alterations in the kinetic activity of aromatic-L-amino acid decarboxylase and preliminary 2-DE investigation of the brains in a 6-OHDA induced Parkinson's disease rat model**  
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- V. **Alterations in the kinetic activity of aromatic L amino acid decarboxylase and preliminary 2 DE investigation of the brains in the 6 OHDA induced Parkinson s disease model of rat**  
GÜNEL A., OGAN A., ONAT F., GÜLHAN R.  
Marmara Medical Journal, vol.16, no.3, pp.179-187, 2003 (Scopus)
- VI. **Identification of Human Casein on polyacrylamide gels electroblotted on to nitrocellulose membranes by N Terminal Analysis**  
OGAN A., ÖZLEM G. O., GÜNEL A.  
Chimica Acta Turcica, vol.31, pp.5-8, 2003 (Peer-Reviewed Journal)
- VII. **Proteomiks ve önemi**  
OGAN A.  
Kimya ve Sanayi, vol.37, pp.33-35, 2003 (Non Peer-Reviewed Journal)
- VIII. **Vitamin B12 content of twenty percent saturated ammonium sulfate fraction proteins of red beet juice**  
OGAN A., BİRBİR M.  
M.Ü Fen Bilimleri Enst. Dergisi, vol.16, pp.77-79, 2000 (Peer-Reviewed Journal)
- IX. **Antistreptolysin O Rheumatoid Factor and C Reactive Protein determination in patients with**

## **recurrent oral ulcer**

OGAN A., Semih Ö.

J. Marmara Univ. Dental Fac, vol.2, pp.520-522, 1996 (Peer-Reviewed Journal)

- X. **Purification of soluble proteins of Red beet juice precipitated by seventy percent ammonium sulfate saturation I Identification of fraction II protein**  
OGAN A., GÜNEL A., GENCER Ö., MİNE E.  
Chimica Acta Turcica, vol.24, pp.199-201, 1996 (Peer-Reviewed Journal)
- XI. **Standardization of the single radial immunodiffusion technique for casein determination of human colostrum**  
OGAN A.  
Chimica Acta Turcica, vol.24, pp.209-211, 1996 (Peer-Reviewed Journal)
- XII. **Protein composition of nipple discharges of women with galactorrhoea**  
OGAN A., UMUR Ç.  
Chimica Acta Turcica, vol.24, pp.155-157, 1996 (Peer-Reviewed Journal)
- XIII. **Investigation of fatty acid composition of maternal milk of infants having hyperbilirubinemia**  
YANARDAĞ R., OGAN A., AYFER B., NESRİN E.  
Chimica Acta Turcica,, vol.21, pp.303-306, 1993 (Peer-Reviewed Journal)
- XIV. **Lactose composition of human milk**  
YANARDAĞ R., AYFER B., OGAN A.  
Chimica Acta Turcica, vol.21, pp.213-215, 1993 (Peer-Reviewed Journal)
- XV. **Galaktore tanısında kazein tayininin önemi**  
OGAN A., NESRİN E., ERDOĞAN E., HEKİM S. N.  
Zeynep Kamil Tıp Bülteni, vol.21, no.2, pp.187-200, 1989 (Peer-Reviewed Journal)
- XVI. **Premenstruel sendromda prolaktin faktörü ve bromokriptin tedavisi**  
Mehpare T., Erdoğan E., ŞAHMAY Ş. S., OGAN A., Turgay A.  
Uludağ Üniv.Tıp Fak. Dergisi, vol.3, pp.339-342, 1987 (Peer-Reviewed Journal)

## **Books & Book Chapters**

- I. **Amino Asitler ve proteinler**  
OGAN A., DANIŞ Ö.  
in: Biyokimyada temel ve özel konular, Ayşen Yarat, Tuğba Tunalı, Ebruşık Alturfan, Editor, Akademisyen, Ankara, pp.189-229, 2019
- II. **Proteom**  
DANIŞ Ö., OGAN A.  
in: Biyokimyada özel ve temel konular, Ayşen Yarat, Tuba Tunalı, Ebruşık Alturfan, Editor, Akademisyen, Ankara, pp.231-255, 2019
- III. **Proteom**  
DANIŞ Ö., OGAN A.  
in: Biyokimyada Temel ve Özel Konular, Ayşen yarat, Tuğba Tunalı Akbay, Ebru Işık Alturfan, Editor, Akademisyen, Ankara, pp.231-255, 2019
- IV. **Polyhydroxyalkanoates Production from Renewable and Waste Materials Using Extremophiles/Recombinant Microbes**  
DANIŞ Ö., OGAN A., BİRBİR M.  
in: Extremophilic Microbial Processing of Lignocellulosic Feedstocks to Biofuels, Value-Added Products, and Usable Power, Rajesh K. SaniNavanietha Krishnaraj Rathinam, Editor, Springer, pp.207-227, 2018

## Refereed Congress / Symposium Publications in Proceedings

- I. **ANTIOXIDANT AND ANTI-COLLAGENASE ACTIVITY OF ST. JOHN'S WORT (HYPERICUM PERFORATUM L.)**  
YILDIZ İ., Özalp L., ERDEM S., MOUŞİNGA E. G. B. K., DANIŞ Ö., OGAN A.  
3. INTERNATIONAL MARMARA SCIENTIFIC RESEARCH AND INNOVATION CONGRESS 19-20 NOVEMBER 2022  
İSTANBUL/ TURKE, İstanbul, Turkey, 19 November 2022, vol.1
- II. **Investigation of Binding Interactions Between Novel Pyrazole Derivatives and Bovine Hemoglobin by Spectroscopic and Molecular Docking Studies**  
Meletli F., Akın N., Yapar S., Ogan A.  
9th International Conference on Materials Science and Nanotechnology for Next Generation, Ankara, Turkey, 22 - 24 September 2022, pp.172
- III. **Investigation of Binding of Coumarin Derivatives to Bovine Serum Albumin at Physiological pH by Spectral and Molecular Docking**  
Meletli F., Kazancıođok Z., Akın N., Daniş Ö., Ogan A.  
34. Ulusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022, pp.311-312
- IV. **Investigation of bioactive phytochemicals and in vitro antimicrobial effects of *Matricaria chamomilla* L. and *Tripleurospermum decipiens* Bornm. on some urinary system pathogens**  
ZORLU N., Hatipođlu S. D. Ç., Bingöl D., DİNÇ H. Ö., YÜKSEL MAYDA P., OGAN A.  
1st International Symposium of Biodiversity Studies, Ankara, Turkey, 23 May 2022, vol.1, pp.75
- V. **Investigation of Bioactive Phytochemicals of *Matricaria chamomilla* L. and *Matricaria decipiens* K. Koch and Their in Vitro Biological Activities**  
Zorlu N., Hatipođlu Çakmar D., OGAN A.  
13th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 22 June 2021, pp.258
- VI. **Asetikolinesterazin İletken Tiyol-Ene Kürlenebilen Filmler Üzerine İmmobilizasyonu Ve Asetikolin-EsterazBiyosensörünün Geliştirilmesi**  
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- VII. **In vitro and in silico investigation of antioxidative and HMG-CoA reductase inhibitory effects of various coumarin derivatives**  
Özalp İ., DANIŞ Ö., YÜCE DURSUN B., DEMİR S., OGAN A.  
7th International Congress of Molecular Medicine, İstanbul, Turkey, 5 - 07 September 2019
- VIII. **Asetilkolinesterazın pirol içeren tiyol-en kürlenebilen filmlere immobilizasyonu**  
OGAN A., Khaled Ali K., ÇAKMAKÇI E.  
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- IX. **In Silico Investigation on Anti-Depression Effects of Hypericum Perforatum Flavanoids: Molecular Docking with Monoamin Oxidases**  
YILDIZ İ., ERDEM S., OGAN A.  
1.Euroasia Biochemical Approaches Technologies Congress, 27 - 30 October 2018
- X. **Lipase Enzyme Produced from Moderately Halophilic Bacteria in Leather Industry**  
Güçlü B., BİRBİR M., OGAN A., ÇAĞLAYAN P.  
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- XI. **The Importance of Protease Enzyme in Leather Industry**  
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- XII. **LIPASE PRODUCTION OF MODERATELY HALOPHILIC BACTERIAL SPECIES ISOLATED FROM LEATHER INDUSTRY**  
ÇAĞLAYAN P., BİRBİR M., OGAN A.  
4th International Leather Engineering Congress, 19 - 20 October 2017
- XIII. **PROTEASE PRODUCTION OF MODERATELY HALOPHILIC BACTERIAL SPECIES ISOLATED FROM LEATHER INDUSTRY**  
ÇAĞLAYAN P., BİRBİR M., OGAN A.

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- XIV. **Polyhydroxyalkanoate production from moderately halophilic Bacillus strains**  
OGAN A., Fetahovic M., ÇAĞLAYAN P., BİRBİR M., ÇALLI B., Bayrakdar A., DANIŞ Ö.  
42nd Febs Congress, 25 September 2018 - 30 September 2017
- XV. **Production and Analysis of Lipase Enzymes of Halophilic Microorganisms in Escherichia coli**  
Touray A., OGAN A., ÇAĞLAYAN P., BİRBİR M., TURAN K.  
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- XVI. **Production and Analysis of Lipase Enzymes of Halophilic Microorganisms in Escherichia coli**  
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- XVII. **İLİMLİ HALOFİL BAKTERİLERİN BİYOTEKNOLOJİK ÖNEMLERİ**  
ÇAĞLAYAN P., BİRBİR M., OGAN A.  
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- XVIII. **Ilımlı Halofil Bakterilerin Biyoteknolojik Önemleri**  
Çağlayan P., Birbir M., Ogan A.  
Türkiye Denizleri Bakterilerinin Biyoteknolojik Kullanımı Proje Çalıştayı TÜBİTAK ÇAYDAG 114Y690, İstanbul, Turkey, 20 October 2016
- XIX. **Halofillerden Elde Edilen Proteaz Ve Lipazların Deri Endüstrisinde Kullanımları**  
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- XX. **Deniz Mikroorganizmalarından Elde Edilen Enzimler**  
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- XXI. **Covalent immobilization of LL 37 onto lignin caprolactone based polymer and investigation of its antimicrobial activities**  
OGAN A., YÜCE DURSUN B., Farah D. A., Aslı B. C., ÇAĞLAYAN P., MUTLU Ö., KAHRAMAN M. V., GÜLSOY N., BİRBİR M.  
FEBS, 3 - 08 September 2016
- XXII. **Screening and Characterization of Lipase from Bacillus Species Isolated from Salted Sheep Skins**  
Şimşek B. S., ÇAĞLAYAN P., OGAN A., BİRBİR M., YÜCE DURSUN B.  
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- XXIII. **Screening of various moderately Bacillus strains for PHA production**  
Fetahovic M., ÇAĞLAYAN P., OGAN A., DANIŞ Ö., BİRBİR M.  
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- XXIV. **Synthesis anti inflammatory activity and molecular modeling studies on cox 1 and cox 2 inhibition of novel amide conjugates of some NSAIDs**  
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- XXV. **In Silico Approach to Monoamine Oxidase A Inhibitory Potential of New Coumarine Derivatives**  
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. 17th International Conference on QSAR in Environmental and Health Sciences (QSAR 2016), Florida, United States Of America, 13 - 17 June 2016
- XXVI. **Biological Activities of Flowers and Peels Oils of Citrus aurantium L Growing in Turkey**  
Gürel Feridun S., ALTUN S., OGAN A., SALAN Ü.  
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- XXVII. **Molecular Modeling Studies on COX 1 and COX 2 Inhibition of Novel Amide Conjugates of Some NSAIDs with Anti inflammatory Activity**  
KULABAŞ N., ERZİNCAN P., DANIŞ Ö., ERDEM S., OGAN A., KÜÇÜKGÜZEL İ.  
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- XXVIII. **WAG Rij Wistar Albino Glaxo Rijswijk Deneysel Sıçan Modelinde Korteks Proteomlarının**

## **Profillendirilmes**

DANIŞ Ö., DEMİR S., YÜCE DURSUN B., ONAT F., OGAN A.

27. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015

### **XXIX. LL 37 Antimikrobiyal Peptidin Lipozomlara Yüklenmesi Ve Salınımının İncelenmesi**

Bakır C., ATTAR A., YÜCE DURSUN B., DEMİR S., OGAN A.

27.Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015

### **XXX. Galaktosidaz Enziminin UV Işınlarıyla Sertleşen Polimerik Matriks Üzerine Yanıt Yüzey Metodu RSM İle Optimal İmmobilizasyonu**

DANIŞ Ö., Onur S., BEYLER ÇİĞİL A., DEMİR S., KAHRAMAN M. V., OGAN A.

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### **XXXI. Lipaz Enziminin UV Işınlarıyla Sertleşen Sol Jel Hibrit Kaplama Filmlerine Yanıt Yüzey Metodu RSM İle Optimal İmmobilizasyonu**

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### **XXXII. LL 37 Peptidin Lignin Kaprolakton Polimerine İmmobilizasyonu ve Antimikrobiyal Özelliğinin İncelenmesi**

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### **XXXIV. 3 Aril Kumarin Türevlerinin Sentezi Ve İnsan Monoamin Oksidaz A Ve B İnhibitörleri Olarak Etkilerinin İncelenmesi**

YÜCE DURSUN B., Şahin E., DANIŞ Ö., DEMİR S., OGAN A., ERDEM S.

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### **XXXV. galaktosidaz enziminin uv ışınlarıyla sertleşen polimerikmatriks üzerine yanıt yüzey metodu rsm ile optimalimmobilizasyonu**

DANIŞ Ö., SANSAR O., BEYLER ÇİĞİL A., DEMİR S., KAHRAMAN M. V., OGAN A.

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### **XXXVI. S MA057 LL 37 PEPTİDİNİN LİGNİN KAPROLAKTON POLİMERİNE İMMOBİLİZASYONU VE ANTİMİKROBİYAL ÖZELLİĞİNİN İNCELENMESİ**

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## Supported Projects

Ogan A., TUBITAK Project, Akustik Mikroçip Tabanlı Hızlı Ribonükleik Asit İzolasyon KitiGeliştirmesi, 2021 - 2023  
Kulabaş N., Küçükgülzel İ., OGAN A., TUBITAK Project, Olası antikanser etkili heteroaril sülfanil asetamidler ve analoglarının bilgisayar destekli tasarımı, sentezi, apoptoz, anjiyenez ve mPGES-1 enzim inhibitörü etkilerinin

incelenmesi, 2019 - 2022

Ogan A., Project Supported by Higher Education Institutions, Antioksidan aktiviteye sahip sarı kantaron (*Hypericum Perforatum*) flavonoidlerinin anti-enflamatuar ve anti-depresan etkilerinin in vitro ve in siliko incelenmesi, 2019 - 2020

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