

## Personal Information

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## Education Information

Doctorate, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/Analitik Kimya, Turkey 2009 - 2015

Post Graduate, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/Analitik Kimya, Turkey 2001 - 2004

Under Graduate, Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Kimya, Turkey 1992 - 1997

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Differentiation of olive oil produced in different areas in Turkey based on major parameters using clusters/PCA (principal component analysis) methods, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/Analitik Kimya, 2015

Post Graduate, Electrochemical behaviour of Vitamin K in different conditions and adaptation to analysis , Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya/Analitik Kimya, 2004

## Research Areas

Chemistry, Analytical Chemistry, Separation Methods, Bioanalytical Methods, Pharmaceutical Analysis, Food Analysis, Chemometry, Chromatographic Analysis, Mass Spectroscopy, Sample preparation, Natural Sciences

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Screen printed electrode-based biosensor functionalized with magnetic cobalt/single-chain antibody fragments for cocaine biosensing in different matrices**  
ŞANLI S., Moulahoum H., Ugurlu O., Ghorbanizamani F., GÜMÜŞ Z. P. , EVRAN S., COŞKUNOL H., TİMUR S.  
TALANTA, vol.217, 2020 (Journal Indexed in SCI)
- **Comparison of different classification algorithms to identify geographic origins of olive oils**  
GÜMÜŞ Ö., YAŞAR E., GÜMÜŞ Z. P. , ERTAŞ H.  
JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE, vol.57, pp.1535-1543, 2020 (Journal Indexed in SCI)
- **Sensor Platform with a Custom-Tailored Aptamer for Diagnosis of Synthetic Cannabinoids**  
Balaban S., Man E., Durmus C., Bor G., Ceylan A. E. , GÜMÜŞ Z. P. , EVRAN S., COŞKUNOL H., TİMUR S.  
ELECTROANALYSIS, 2020 (Journal Indexed in SCI)
- **Application of Biofunctionalized Magnetic Nanoparticles Based-Sensing in Abused Drugs Diagnostics**  
ŞANLI S., Ghorbani-Zamani F., Moulahoum H., GÜMÜŞ Z. P. , COŞKUNOL H., Demirkol D., TİMUR S.  
ANALYTICAL CHEMISTRY, vol.92, pp.1033-1040, 2020 (Journal Indexed in SCI)
- **An Electrochemical Biosensor Platform for Testing of Dehydroepiandrosterone 3-Sulfate (DHEA-S) as a Model for Doping Materials**  
Balaban S., Durmus C., Aydinoglan E., GÜMÜŞ Z. P. , TİMUR S.  
ELECTROANALYSIS, vol.32, pp.128-134, 2019 (Journal Indexed in SCI)

- Development of rapid, sensitive and selective fluorimetric method for determination of 1-naphthalene acetic acid in cucumber by using magnetite-molecularly imprinted polymer**  
 İLKTAÇ R., GÜMÜŞ Z. P. , AKSUNER N.  
 SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.218, pp.62-68, 2019 (Journal Indexed in SCI)
- Highly sensitive and selective method for the rapid determination and preconcentration of haloperidol by using a magnetite-molecularly imprinted polymer**  
 İLKTAÇ R., GÜMÜŞ Z. P. , AKSUNER N., COŞKUNOL H.  
 JOURNAL OF SEPARATION SCIENCE, vol.42, pp.2115-2122, 2019 (Journal Indexed in SCI)
- Magnetic Nanofiber Layers as a Functional Surface for Biomolecule Immobilization and One-Use 'Sensing in-a-Drop' Applications**  
 Sanli S., Celik E. G. , DEMİR B., Gumus Z. P. , Ilktac R., Aksuner N., Demirkol D. O. , Timur S.  
 CHEMISTRYSELECT, vol.3, pp.13553-13560, 2018 (Journal Indexed in SCI)
- "Biomimetic-electrochemical-sensory-platform" for biomolecule free cocaine testing**  
 Sengel T. Y. , Guler E., Arslan M., Gumus Z. P. , Sanli S., Aldemir E., Akbulut H., Demirkol D. O. , Coskunol H., Timur S., et al.  
 MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.90, pp.211-218, 2018 (Journal Indexed in SCI)
- Classification of olive oils using chromatography, principal component analysis and artificial neural network modelling**  
 Gümüş Z. P. , Ertaş H., Yasar E., Gümüş Ö.  
 JOURNAL OF FOOD MEASUREMENT AND CHARACTERIZATION, vol.12, pp.1325-1333, 2018 (Journal Indexed in SCI)
- A Functional Platform for the Detection of JWH-073 as a Model for Synthetic Cannabinoids**  
 Sengel T. Y. , Celik E. G. , Aydogan C., Gumus Z. P. , Ilktac R., Aydindogan E., Ciftci M., Aldemir E., Coskunol H., Timur S., et al.  
 CHEMELECTROCHEM, vol.5, pp.1253-1258, 2018 (Journal Indexed in SCI)
- Determination of trace elements and stable carbon isotope ratios in virgin olive oils from Western Turkey to authenticate geographical origin with a chemometric approach**  
 GÜMÜŞ Z. P. , CELENK V. U. , TEKİN S., YURDAKUL O., ERTAŞ H.  
 EUROPEAN FOOD RESEARCH AND TECHNOLOGY, vol.243, pp.1719-1727, 2017 (Journal Indexed in SCI)
- Mobile Phone Sensing of Cocaine in a Lateral Flow Assay Combined with a Biomimetic Material**  
 GULER E., SENDEL T. Y. , GÜMÜŞ Z. P. , Arslan M., COŞKUNOL H., TİMUR S., Yağcı Y.  
 ANALYTICAL CHEMISTRY, vol.89, pp.9629-9632, 2017 (Journal Indexed in SCI)
- An immunoelectrochemical platform for the biosensing of 'Cocaine use'**  
 SENDEL T. Y. , GULER E., GÜMÜŞ Z. P. , ALDEMİR E., COŞKUNOL H., Akbulut H., Colak D. G. , Cianga I., YAMADA S., TİMUR S., et al.  
 SENSORS AND ACTUATORS B-CHEMICAL, vol.246, pp.310-318, 2017 (Journal Indexed in SCI)
- Double fluorescence assay via a beta-cyclodextrin containing conjugated polymer as a biomimetic material for cocaine sensing**  
 Arslan M., SENDEL T. Y. , GULER E., GÜMÜŞ Z. P. , ALDEMİR E., Akbulut H., Coskunol H., TİMUR S., Yağcı Y.  
 POLYMER CHEMISTRY, vol.8, pp.3333-3340, 2017 (Journal Indexed in SCI)
- An aptamer folding-based sensory platform decorated with nanoparticles for simple cocaine testing**  
 GÜLER E., BOZOKALFA G., DEMİR B., GÜMÜŞ Z. P. , GULER B., ALDEMİR E., TİMUR S., COŞKUNOL H.  
 DRUG TESTING AND ANALYSIS, vol.9, pp.578-587, 2017 (Journal Indexed in SCI)
- Testing of bioactive-nanovesicles on hepatotoxicity of atypical antipsychotics via digital holography**  
 KIRBAY F. O. , GEYİK C., GULER E., YESİLTEPE O., GUMUS Z. P. , Demirkol D. O. , COŞKUNOL H., TİMUR S.  
 COLLOIDS AND SURFACES B-BIOINTERFACES, vol.152, pp.289-295, 2017 (Journal Indexed in SCI)
- Bioconjugation and Applications of Amino Functional Fluorescence Polymers**  
 GEYİK C., GULER E., GUMUS Z. P. , BARLAS F. B. , Akbulut H., Demirkol D. O. , TİMUR S., Yağcı Y.  
 MACROMOLECULAR BIOSCIENCE, vol.17, 2017 (Journal Indexed in SCI)
- Polypeptide with electroactive endgroups as sensing platform for the abused drug 'methamphetamine' by bioelectrochemical method**

DEMİR B., YILMAZ T., GULER E., GÜMÜŞ Z. P. , Akbulut H., ALDEMİR E., COŞKUNOL H., Colak D. G. , Cianga I., YAMADA S., et al.

TALANTA, vol.161, pp.789-796, 2016 (Journal Indexed in SCI)

- **Complex Structured Fluorescent Polythiophene Graft Copolymer as a Versatile Tool for Imaging, Targeted Delivery of Paclitaxel, and Radiotherapy**

GULER E., Akbulut H., GEYİK C., YILMAZ T., GÜMÜŞ Z. P. , BARLAS F. B. , Ahan R. E. , Demirkol D. O. , YAMADA S., ENDO T., et al.

BIOMACROMOLECULES, vol.17, pp.2399-2408, 2016 (Journal Indexed in SCI)

- **Polypeptide Functional Surface for the Aptamer Immobilization: Electrochemical Cocaine Biosensing**

BOZOKALFA G., Akbulut H., DEMİR B., GULER E., GÜMÜŞ Z. P. , Demirkol D., ALDEMİR E., YAMADA S., ENDO T., COŞKUNOL H., et al.

ANALYTICAL CHEMISTRY, vol.88, pp.4161-4167, 2016 (Journal Indexed in SCI)

- **Synthesis and application of a novel poly-L-phenylalanine electroactive macromonomer as matrix for the biosensing of 'Abused Drug' model**

YILMAZ T., GULER E., GÜMÜŞ Z. P. , Akbulut H., ALDEMİR E., COŞKUNOL H., Colak D. G. , Cianga I., YAMADA S., TİMUR S., et al.

POLYMER CHEMISTRY, vol.7, pp.7304-7315, 2016 (Journal Indexed in SCI)

- **Herbal infusions of black seed and wheat germ oil: Their chemical profiles, in vitro bio-investigations and effective formulations as Phyto-Nanoemulsions**

Gumus Z. P. , Guler E., Demir B., Barlas F. B. , Yavuz M., Colpankan D., SENISIK A. M. , Teksoz S., Unak P., Coskunol H., et al.

COLLOIDS AND SURFACES B-BIOINTERFACES, vol.133, pp.73-80, 2015 (Journal Indexed in SCI)

- **Phyto-Niosomes: In Vitro Assessment of the Novel Nanovesicles Containing Marigold Extract**

ÜN R. N. , BARLAS F. B. , Yavuz M., SELECI D. A. , SELECİ M., GÜMÜŞ Z. P. , GULER E., Demir B., Can M., COŞKUNOL H., et al.

INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.64, pp.927-937, 2015 (Journal Indexed in SCI)

- **A case study on in vitro investigations of the potent biological activities of wheat germ and black cumin seed oil**

AG SELECI D., GÜMÜŞ Z. P. , YAVUZ M., SELECİ M., BONGARTZ R., STAHL F., COŞKUNOL H., TİMUR S., SCHEPER T.

TURKISH JOURNAL OF CHEMISTRY, vol.39, pp.801-812, 2015 (Journal Indexed in SCI)

- **Controlled release of anticancer drug Paclitaxel using nano-structured amphiphilic star-hyperbranched block copolymers**

GEYİK C., Ciftci M., DEMİR B., GULER B., OZKAYA A. B. , GÜMÜŞ Z. P. , BARLAS F. B. , Demirkol D., COŞKUNOL H., TİMUR S., et al.

POLYMER CHEMISTRY, vol.6, pp.5470-5477, 2015 (Journal Indexed in SCI)

- **Bio-active nanoemulsions enriched with gold nanoparticle, marigold extracts and lipoic acid: In vitro investigations**

GULER E., BARLAS F. B. , YAVUZ M., DEMİR B., GÜMÜŞ Z. P. , BAŞPINAR Y., COŞKUNOL H., TİMUR S. COLLOIDS AND SURFACES B-BIOINTERFACES, vol.121, pp.299-306, 2014 (Journal Indexed in SCI)

- **Gold nanoparticle loaded phytosomal systems: synthesis, characterization and in vitro investigations**

DEMİR B., BARLAS F. B. , GÜLER E., Gumus P. Z. , Can M., YAVUZ M., COŞKUNOL H., TİMUR S.

RSC ADVANCES, vol.4, pp.34687-34695, 2014 (Journal Indexed in SCI)

## Articles Published in Other Journals

- **Catechol-Attached Polypeptide with Functional Groups as Electrochemical Sensing Platform for Synthetic Cannabinoids**

Durmus C., Aydindogan E., GÜMÜŞ Z. P. , Endo T., Yamada S., COŞKUNOL H., TİMUR S., Yağcı Y.

ACS APPLIED POLYMER MATERIALS, vol.2, pp.172-177, 2020 (Journal Indexed in ESCI)

- **A Case Study on Profile Investigation of Cold-Pressed Black Cumin Seed Oil Produced in Turkey**

GÜMÜŞ Z. P. , CELENK V. U.

Hacettepe Journal of Biology and Chemistry, vol.45, pp.475-484, 2017 (National Refereed University Journal)

- **Analysis of Chemical Compositions of 15 Different Cold-Pressed Oils in Turkey: A Case Study of Tocopherol and Fatty Acid Analysis**

CELENK V. U. , GÜMÜŞ Z. P. , ÜSTÜN ARGON Z., BÜYÜKHELVACIGİL M., KARASULU E.

Journal of the Turkish Chemical Society, vol.5, pp.1-18, 2017 (Other Refereed National Journals)

- **Evaluation of Some Medicinal Herbs Cold Pressed Oils According Their Physicochemical Properties with Chemometry**

USTUN ARGON Z., GOKYER A., GÜMÜŞ Z. P. , Buyukhelvacigil M.

International Journal of Secondary Metabolite, vol.4, pp.473-481, 2017 (Other Refereed National Journals)

- **Determination of Cocaine and Benzoylcegonine in Biological Matrices by HPLC and LC-MS/MS**

GÜMÜŞ Z. P. , CELENK V. U. , GULER E., Demir B., COŞKUNOL H., TİMUR S.

Journal of the Turkish Chemical Society: Chemistry A, vol.3, pp.535-550, 2016 (Other Refereed National Journals)

## Refereed Congress / Symposium Publications in Proceedings

- **Assessment of Phenolic Compound Compositions of Olive Oil Samples Extracted by Different Techniques by Using LC/QTOF/MS with PCA**

Gümüş Z. P. , Ertuş H.

1st International Congress on Analytical and Bioanalytical Chemistry, Antalya, Turkey, 27 - 30 March 2019, pp.258

- **An in-vitro Study of the Interaction between Fluoxetine and Olanzapine in Protein Binding by HPLC Coupled with Ultrafiltration**

Ayazma M., Gümüş Z. P. , Zihnioğlu F.

1st International Congress on Analytical and Bioanalytical Chemistry, Antalya, Turkey, 27 - 30 March 2019, pp.211

- **Synthesis of Folic Acid-derived Carbon Nano Dots and Applications in Cell Imaging Studies**

Trajkovski F., Demir B., Barlas F., Şanlı S., Gümüş Z. P. , Zihnioğlu F., Timur S.

1st International Congress on Analytical and Bioanalytical Chemistry, Antalya, Turkey, 27 March - 30 July 2019, pp.131

- **Determination of  $\alpha$ -Tocopherol, Vitamin A and  $\beta$ -Carotene by using Molecularly Imprinted Polymers**

Orman B., İlkaç R., Gümüş Z. P.

1st International Congress on Analytical and Bioanalytical Chemistry, Antalya, Turkey, 27 - 30 March 2019, pp.209

- **Investigation of Drug-Drug Interactions of Venlafaxine and Sertraline in the Simulated Gastric Fluid**

Mert O., Gümüş Z. P. , Timur S.

1st International Congress on Analytical and Bioanalytical Chemistry, Antalya, Turkey, 27 - 30 March 2019, pp.208

- **Determination of Adulteration in the Sunflower Oils Using Machine Learning Algorithms**

Gümüş Z. P. , Yaşar E., Çelenk V. U. , Gümüş Ö.

1st International Congress on Analytical and Bioanalytical Chemistry, Antalya, Turkey, 27 - 30 March 2019, pp.213

- **Competition of Quetiapine and Fluoxetine in Binding to Serum Albumin in Combination Therapy**

Önkol U. Ö. , Gümüş Z. P. , Zihnioğlu F.

1st International Congress on Analytical and Bioanalytical Chemistry, Antalya, Turkey, 27 - 30 March 2019, pp.212

- **Investigation of the Combination of Fluoxetine and Clozapine on the U87 Cell Line**

Gullu İ., Eren Y. K. , Barlas F. B. , Gümüş Z. P. , Timur S.

1st International Congress on Analytical and Bioanalytical Chemistry, Antalya, Turkey, 27 - 30 March 2019, pp.207

- **Determination of Plasma Protein Binding for Combination of Olanzapine and Sertraline using HPLC**

Eren Y. K. , Timur S., Gümüş Z. P.

1st International Congress on Analytical and Bioanalytical Chemistry, Antalya, Turkey, 27 - 30 March 2019, pp.210

- **HPLC Method Optimization for Determination of Recombinant Human Coagulation Factor VIII Concentrate**

Gümüş Z. P.

1st International Congress on Analytical and Bioanalytical Chemistry, Antalya, Turkey, 27 - 30 March 2019, pp.147

- **Study on the Interaction between St. John's Wort and Sertraline with Plasma Proteins and Cell-Culture Medium**

Eren Y. K. , Gullu İ., Barlas F. B. , Timur S., Gümüş Z. P.

- **Manyetik-Moleküler Baskılanmış Polimerler ile Haloperidolün LC-QTOF/MS ile Tayini**  
İLKAÇ R., GÜMÜŞ Z. P. , AKSUNER N., COŞKUNOL H.  
Ulusal Analitik Kimya Kongresi, Konya, Turkey, 19 September 2018, pp.23-24
- **Su Analizlerine Yönelik Sensör Teknolojilerinin Sıvı Kromatografisi-Kuadropol Uçuş Zamanlı Kütle Spektroskopisi (LC-QTOF/MS) Sistemleri ile Doğrulanması ve Profillendirme Çalışmaları**  
GÜMÜŞ Z. P. , YAZICI B., KERÇ A., TİMUR S.  
Ulusal Analitik Kimya Kongresi, Konya, Turkey, 19 September 2018, pp.21-22
- **Kötüye Kullanılan Maddelerin Analizinde Olası Girişimcilerin Hedef Madde Yanında LC-QTOF/MS ile Belirlenmesi**  
GÜMÜŞ Z. P. , İLKAÇ R., COŞKUNOL H.  
Ulusal Analitik Kimya Kongresi, Konya, Turkey, 19 September 2018, pp.65
- **NAFTALEN ASETİK ASİT TAYİNİ İÇİN MANYETİK-MOLEKÜLER BASKILANMIŞ POLİMER (MMIP) KULLANARAK FLORİMETRİK YÖNTEM GELİŞTİRİLMESİ**  
İLKAÇ R., GUMUS Z. P. , AKSUNER N.  
INTERNATIONAL TRACE ANALYSIS CONGRESS (iTAC2018), Sivas, Turkey, 20 June 2018, pp.1
- **Hedeflenmiş (targeted) ve Hedeflenmemiş (non-targeted) Madde Taramasında Neden LC-QTOF/MS?: Sokak Kimyası ile Geliştirilen Yeni Sentetik Kanabinoidleri Tanımlayabilmek**  
GÜMÜŞ Z. P. , İLKAÇ R., COŞKUNOL H., TİMUR S.  
International Trace Analysis Congress (Eser Analiz Kongresi), Sivas, Turkey, 20 June 2018, pp.67
- **Aromatik Yağların Nano-Biyoteknolojik Ürünler Haline Getirilmesi ve İçerik Analizlerinde Kromatografinin Kullanılması**  
GÜMÜŞ Z. P. , GULER E., Demir B., İLKAÇ R., ZEYBEK A. U. , COŞKUNOL H., TİMUR S.  
International Trace Analysis Congress (Eser Analiz Kongresi), Sivas, Turkey, 20 June 2018, pp.199
- **Catechol-attached Polypeptide with Functional Groups as Electrochemical Sensing Platform for K2-Spice**  
Durmuş C., Aydınoğlan E., GÜMÜŞ Z. P. , Endo T., Yamada S., YAĞCI Y., TİMUR S.  
International Conference on Analytical and Nanoanalytical Methods for Biomedical and Environmental Sciences IC-ANMBES, Brasov, Romania, 23 May 2018, pp.113
- **Folat receptor targeted multimodal engineered vesicles for imaging and therapy: a magic of theranostics**  
DEMİR B., GUMUS Z. P. , BARLAS F. B. , TİMUR S.  
The 12th Workshop on Biosensors BioAnalytical Microtechniques in Environmental, Food Clinical Analysis., 25 - 28 September 2017
- **Development of easy assemble immobilization matrix with magnetic nanofiber layers**  
ŞANLI S., GULER E., GUMUS Z. P. , ODACI DEMİRKOL D., TİMUR S.  
The 12th Workshop on Biosensors BioAnalytical Microtechniques in Environmental, Food Clinical Analysis., 25 - 28 September 2017
- **Electrospun nanofibers in affinity based sensing of illicit drugs**  
YEZER İ., GULER e., ODACI DEMİRKOL D., GÜMÜŞ Z. p. , COŞKUNOL H., TİMUR S.  
Affinity 2017, 25 June 2016 - 29 June 2017
- **Zeytinyağının Bölgesel Ayrımının Belirlenmesinde Standart Analizler ile Birlikte Kararlı Karbon İzotop Oranı ve Çoklu Element Analizinin Kullanılması**  
GÜMÜŞ Z. P. , ERTAŞ H.  
YABİTED, İzmir, Turkey, 12 April 2017, pp.22
- **Ham Madde Olarak Yağlardan Biyoteknolojik Ürünlere**  
GÜMÜŞ Z. P. , GULER E., Demir B., Öztürk Kırbay F.  
YABİTED, İzmir, Turkey, 12 April 2017, pp.83
- **Effects Of Flavor Compositions In E cigarette Liquids On Specific Cell Lines**  
YARARBAŞ G., GEYİK C., GÜMÜŞ Z. P. , TİMUR S.  
2. Regional TIAFT Meeting, 30 October - 02 November 2016
- **Use of Chemometric Approach for a Case Study on Western Turkish Olive Oil Assessed from Adulteration to Authentication**  
GÜMÜŞ P., ERTAŞ H.

10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016

- **Composition Analysis of E Liquids and Their Effects on Healthy and Carcinoma Cell Lines**  
YARARBAŞ G., GEYİK C., GÜMÜŞ Z. P. , TİMUR S.  
17th Annual Meeting of the SRNT-E, 8 - 10 September 2016
- **Psikoaktif İlaçların Terapötik İlaç Düzeyi İzlemi için LC-MS/MS ile Eş Zamanlı Analizi, Ulusal Kromatografi Kongresi**  
GÜMÜŞ Z. P. , CELENK V. U. , TİMUR S., COŞKUNOL H.  
Kromatografi Kongresi, Malatya, Turkey, 31 August 2016, pp.79
- **Yasadışı Maddeler için Geliştirilen Diagnostik Testlerin ve Biyo-Sensörlerin Doğrulamasında Kromatografik Yöntemlerin Kullanılması**  
GÜMÜŞ Z. P. , GULER E., Demir B., Bozokalfa G., Yılmaz T., COŞKUNOL H., TİMUR S.  
Kromatografi Kongresi, İzmir, Turkey, 31 August 2016, pp.38
- **Yağlı Tohumlardan Soğuk Sıkım Metodu ile Elde Edilen Yağların Yağ Asitleri ve Tokoferoller Açısından Karakterizasyonu**  
GÜMÜŞ Z. P. , CELENK V. U. , Buyukhelvacıgil M., KARASULU E.  
Kromatografi Kongresi, Malatya, Turkey, 31 August 2016, pp.80
- **Determination of Nicotine, Propylene Glycol and Glycerin in e-liquids by Using Chromatographic Methods**  
GÜMÜŞ Z. P. , GEYİK C., YARARBAŞ G., TİMUR S.  
Ulusal Kimya Kongresi, Mersin, Turkey, 15 August 2016, pp.224
- **Karaciğer Hücrelerinde in Vitro Olarak Test Edilmiş Etkin Antioksidan Bitkisel Preparatların Eldesi**  
Yeşiltepe O., Güler E., GÜMÜŞ Z. P. , ODACI DEMİRKOL D., COŞKUNOL H., TİMUR S.  
Alkol ve Madde Bağımlılığı Kongresi, Edirne, Turkey, 10 December 2015, pp.22
- **Madde Bağımlılığının Teşhis ve Takibinde Lipozomal Floresans Problemlerinin Kullanımı**  
GULER E., Aydın E. D. , Kinay B., Demir B., Barlas F. B. , GÜMÜŞ Z. P. , COŞKUNOL H., TİMUR S.  
Alkol ve Madde Bağımlılığı Kongresi, Edirne, Turkey, 10 December 2015, pp.55
- **Atipik Antipsikotiklerin Hepatotoksisitesine Bir Gıda Takviyesinin Koruyucu Etkisinin Araştırılması**  
Öztürk Kırbay F., GEYİK C., GULER E., GÜMÜŞ Z. P. , ODACI DEMİRKOL D., COŞKUNOL H., TİMUR S.  
Alkol ve Madde Bağımlılığı Kongresi, Edirne, Turkey, 10 December 2015, pp.46
- **Elektronik Sigara Doldurma Sıvılarının İçerik Analizi ve Farinks Karsinoma Hücreleri Üzerindeki Etkisinin İncelenmesi**  
YARARBAŞ G., GEYİK C., GÜMÜŞ Z. P. , TİMUR S.  
9.Ulusal Alkol ve Madde Bağımlılığı Kongresi, Turkey, 10 - 12 December 2015, vol.16, pp.48
- **Geleneksel Bitkisel Tıbbi Ürün Olarak Koenzim Q10 ve Selenyum ile Zenginleştirilmiş Rüşeym Yağı Dozaj Formu Tasarımı**  
Sergi N., KARASULU E., GÜMÜŞ Z. P.  
İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 27 November 2015, pp.13
- **Liposomal Fluorescent Probes for Monitoring of Drug Abuse**  
GULER E., KINAY B., AYDIN E. D. , DEMİR B., BARLAS F. B. , GÜMÜŞ P. Z. , COŞKUNOL H., TİMUR S.  
11th BBMEC, 26 - 30 September 2015
- **Gold Nanoparticle Loaded Calendula Phytosomes: Synthesis, Characterization and In vitro Investigations**  
Demir B., Barlas F. B. , GULER E., GÜMÜŞ Z. P. , Can M., Yavuz M., COŞKUNOL H., TİMUR S.  
Royal Society of Chemistry (RSC) Turkey Symposium Series: Catalysis and Sensing for Health, İzmir, Turkey, 10 September 2015, pp.8
- **Effets of chemical compositions in e liquids on human pharyngeal carcinoma cells**  
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## **Invited Congress and Symposium Activities**

1st INTERNATIONAL CONGRESS on ANALYTICAL and BIOANALYTICAL CHEMISTRY, Working Group, Antalya, Turkey, 2019  
Ulusal Analitik Kimya Kongresi, Attendee, Konya, Turkey, 2018  
International Trace Analysis Congress, Attendee, Sivas, Turkey, 2018  
YABITED, Attendee, İzmir, Turkey, 2017  
Kromatografi Kongresi, Attendee, Malatya, Turkey, 2016  
Aegean Analytical Chemistry Days, Attendee, Çanakkale, Turkey, 2016  
Ulusal Kimya Kongresi, Attendee, Mersin, Turkey, 2016  
Kromatografi Kongresi, Attendee, Diyarbakır, Turkey, 2011  
Ulusal Kimya Kongresi, Attendee, Kars, Turkey, 2004  
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