

## Assoc. Prof. EMRAH DURAL

### Personal Information

Office Phone: [+90 219 101 0](tel:+902191010) Extension: 3894

Email: [emrahdural@cumhuriyet.edu.tr](mailto:emrahdural@cumhuriyet.edu.tr)

Web: <https://avesis.cumhuriyet.edu.tr/emrahdural>

### Education Information

Doctorate, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Adli Kimya Ve Adli Toksikoloji Anabilim Dalı (Disiplinlerarası), Turkey 2011 - 2014

Post Graduate, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Adli Kimya Ve Adli Toksikoloji Anabilim Dalı (Disiplinlerarası), Turkey 2004 - 2008

Under Graduate, Gazi Üniversitesi, Gazi Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1996 - 2001

### Dissertations

Doctorate, Sildenafil düzeylerinin, pulmoner arteriyel hipertansiyon hasta plazmalarında kromatografik yöntemle belirlenmesi ve "bitkisel kökenli" ürünlerde illegal varlığının araştırılması, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Adli Kimya Ve Adli Toksikoloji Anabilim Dalı (Disiplinlerarası), 2014

### Research Areas

Health Sciences

### Academic Titles / Tasks

Assistant Professor, Sivas Cumhuriyet Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2015 - Continues

### Professional Experience

Head of Department, Sivas Cumhuriyet Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2015 - Continues

### Courses

Terapötik İlaç İzlemi, Under Graduate, 2019 - 2020

Farmasötik Toksikoloji - I, Under Graduate, 2019 - 2020

Gıda Toksikolojisi, Under Graduate, 2019 - 2020

Araştırma Projesi Dersi - I, Under Graduate, 2019 - 2020

Gıda Toksikolojisi, Under Graduate, 2019 - 2020

Farmasötk Toksikoloji - I, Under Graduate, 2017 - 2018

Farmasötik Toksikoloji - II, Under Graduate, 2017 - 2018  
Farmasötik Toksikoloji Laboratuvarı, Under Graduate, 2016 - 2017, 2017 - 2018  
Farmasötik Toksikoloji - II, Under Graduate, 2017 - 2018  
Araştırma Projesi Uygulama Dersi - II, Under Graduate, 2017 - 2018  
Farmasötik Toksikoloji-I, Under Graduate, 2016 - 2017  
Eczacılık Terminolojisi, Under Graduate, 2016 - 2017  
İlaç Toksisitesinin Belirl.Terapotik İlaç Düz.İzl., Under Graduate, 2016 - 2017  
İlaç Düzeyinin Belirlenmesinde Terapötik İlaç Düzeyi İzlemi, Under Graduate, 2016 - 2017  
Klinik Toksikoloji, Under Graduate, 2016 - 2017  
Farmasötik Toksikoloji II, Under Graduate, 2016 - 2017  
Klinik Toksikoloji, Under Graduate, 2016 - 2017  
Tıp Eğitiminde Bilgisayar Dersi, Under Graduate, 2015 - 2016

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

- I. **MONITORIZATION OF PATULIN AND HYDROXYMETHYLFURFURAL IN FRUIT JUICES AND COMMERCIAL FRUITY BABY FOODS BY AN HPLC-DAD METHOD**  
DURAL E.  
REVUE ROUMAINE DE CHIMIE, vol.65, pp.191-200, 2020 (Journal Indexed in SCI)
- II. **Determination of Mirtazapine and Desmethyl Mirtazapine in Human Plasma by a New Validated HPLC Ultraviolet Method with a Simple and Reliable Extraction Method: Application to Therapeutic Drug Monitoring Study by 62 Real Patient Plasma**  
DURAL E., Baskak N. S. , Ozcan H., Kir Y., BASKAK B., SÜZEN H. S.  
IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH, vol.19, pp.18-30, 2020 (Journal Indexed in SCI)
- III. **Determination of 1-Deoxynojirimycin by a developed and validated HPLC-FLD method and assessment of In-vitro antioxidant, alpha-Amylase and alpha-Glucosidase inhibitory activity in mulberry varieties from Turkey**  
ERUYGUR N., Dural E.  
PHYTOMEDICINE, vol.53, pp.234-242, 2019 (Journal Indexed in SCI)
- IV. **IN-VITRO ANTIOXIDANT, A-GLUCOSIDASE AND A-AMYLASE INHIBITORY ACTIVITIES OF CRUDE ETHANOL EXTRACT AND FRACTIONS OF ENDEMIC HYACINTHELLA ACUTILOBA K.PERSS. & WENDELBO BULBUS**  
ERUYGUR N., DURAL E., TEKİN M., ÖZPINAR H.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.28, pp.750-755, 2019 (Journal Indexed in SCI)
- V. **Determination of Urinary Total Hydroxyproline by HPLC with UV and EC Detectors**  
Kaya B. I. , DURAL E., KENDÜZLER E., SÖYLEMEZOĞLU T.  
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.40, pp.866-875, 2018 (Journal Indexed in SCI)

### Articles Published in Other Journals

- I. **Determination of phenytoin in human plasma by a validated HPLC method: application to therapeutic drug monitoring study**  
DURAL E., BOLAYIR A., ÇİĞDEM B.  
Acta Pharmaceutica Scientia, vol.59, 2021 (Refereed Journals of Other Institutions)
- II. **Development and validation of an HPLC method for determination of carbamazepine in human plasma and applications to a therapeutic drug monitoring study**  
Dural E., Cetin S., Bolayır A., Çiğdem B.  
ISTANBUL JOURNAL OF PHARMACY, vol.50, pp.6-15, 2020 (Journal Indexed in ESCI)
- III. **Investigation of the Presence of Sildenafil in Herbal Dietary Supplements by Validated HPLC Method**

DURAL E.

TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.17, pp.56-62, 2020 (Journal Indexed in ESCI)

IV. **Determination of Food Colorings in Pharmaceutical Preparations and Food Additives by a Validated HPLC Method** Betül Esen

Esen B., Oymak T., Dural E.

International Journal of Scientific & Engineering Research, vol.9, pp.72-77, 2018 (Refereed Journals of Other Institutions)

V. **Development and Validation of HPLC-UV Method for the Determination of Diclofenac in Human Plasma with Application to a Pharmacokinetic Study**

Arisoy G. G., Dural E., Mergen G., Arisoy M., Guvendik G., SÖYLEMEZOĞLU T.

TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.13, pp.292-299, 2016 (Journal Indexed in ESCI)

VI. **Optimization and Validation of an HPLC UV Method for Analysis of Clozapine and its Major Metabolites in Human Plasma**

DURAL E., MERGEN G., SÖYLEMEZOĞLU T.

Turkish Journal of Pharmaceutical Sciences, vol.12, pp.60-78, 2015 (Refereed Journals of Other Institutions)

## Books & Book Chapters

I. **Toksikolojinin temelleri**

DURAL E., KAYAALTI Z., YALÇIN AZARKAN S., SİPAHİ H., ÜNLÜ ENDİRLİK B., EKEN A., AYDIN S., DEMİRBÜĞEN M., ULUTAŞ O. K., UÇKUN Z., et al.

Nobel tıp kitapevi, Ankara, 2017

## Refereed Congress / Symposium Publications in Proceedings

I. **Development of a new determination method for medazepam and lorazepam in human plasma by HPLC-UV**

DURAL E.

3rd International Eurasian Conference On Biological and Chemical Sciences (Eurasianbiochem 2020), 19 - 20 March 2020

II. **Determination of diazepam in human plasma by a validated HPLC-UV method**

DURAL E.

11th International European Conference on Mathematics, Engineering, Natural Medical Sciences (11thMAS Congress), 13 - 15 March 2020

III. **Phthalates and Genotoxic Effects**

DURAL E.

VI. International Congress on Natural and Health Sciences (ICNHS-2020), 14 - 15 March 2020

IV. **DENEYSEL NEFROTİK SENDROM MODELİNDEESOMEPRAZOL VE PİRFENİDONUN BÖBREK VEKALP ÜZERİNDEKİ ETKİLERİ**

Koz S., Tulay Koz S., Kayataş M., DEMİRPENÇE Ö., YILDIZ E., TEKİN G., DURAL E.

36. Ulusal nefroloji kongresi, Turkey, 16 October 2019

V. **Determination of patulin levels in baby food products by developed and validated HPLC method**

DURAL E.

3rd International Conference on Engineering Technology and Applied Sciences(ICETAS), 17 - 21 July 2018

VI. **REMOVAL OF METHYLENE BLUE FROM AQUEOUS SOLUTION BY PERSIMMON SHELLS NATURAL BIOSORBENT**

DURAL E., BOLAYIR A., ÇİĞDEM B.

3 rd international Conference on Engineering Technology and applied Sciences, Skopje, Macedonia, 17 - 21 July 2018, pp.166

- VII. **Determination of Hydroxyproline and The Effect of Smoking on Hydroxyproline Concentration in Urine**  
İŞİNER KAYA B., DURAL E., KENDÜZLER E., SÖYLEMEZOĞLU T.  
4th International Conference on New Directions in Multidisciplinary Research Practice (London / England), Londrina, Brazil, 12 - 13 May 2018, pp.75-76
- VIII. **A NEW METHOD FOR THE DETERMINATION OF VALPROIC ACID IN HUMAN PLASMA BY HPLC-UV: APPLICATION TO A THERAPEUTIC DRUG MONITORING STUDY**  
DURAL E., ÇELEBİ S., BOLAYIR A., ÇİĞDEM B.  
7th INTERNATIONAL MOLECULAR BIOLOGY and BIOTECHNOLOGY CONGRESS, 25 - 27 April 2018
- IX. **Determination of carbamazepine in human plasma by HPLCultraviolet method: Application to a therapeutic drug monitoringstudy**  
DURAL E., ÇETİN S., BOLAYIR A., ÇİĞDEM B.  
7th International Molecular Biology and Biotechnology Congress, 25 - 27 April 2018
- X. **Quantitative determination of synthetic dyes in cosmetic products by HPLC**  
Filiz Z., OYMAK T., DURAL E.  
7thINTERNATIONALCONGRESSon MOLECULARBIOLOGY andBIOTECHNOLOGY, 25 - 27 April 2018
- XI. **Quantitative determination of sunset yellow, allura red, fast green, erythrosinBand quinoline yellow using Fe3O4 modified with Elaeagnus angustifolia based onsolid phase extraction and HPLC**  
OYMAK T., DURAL E.  
7thINTERNATIONALCONGRESSon MOLECULARBIOLOGY andBIOTECHNOLOGY, 25 - 27 April 2018
- XII. **Development and validation of a new HPLC-UV method for the investigation of phenytoin levels in human plasma**  
DURAL E.  
3rd International Conference on Engineering Technology and Applied Sciences(ICETAS), 17 - 21 April 2018
- XIII. **A New Validated Method for Analysis of Clozapine and Its metabolites Norclozapine and Clozapine-N-oxide in Human Plasma**  
DURAL E., mergen g., SÖYLEMEZOĞLU T.  
International Symposium on Multidisciplinary Studies and Innovative Technologies, 2 - 04 November 2017
- XIV. **Quantitative Determination of Mirtazapine and Its Major Metabolite in Plasma by a Developed and Validated HPLC-UV Method**  
DURAL E., Özcan H., SÜZEN H. S.  
1st International Symposium on Multidisciplinary Studies and Innovative Technologies, Tokat, Turkey, 2 - 04 November 2017
- XV. **Determination of patulin levels in apple juices by HPLC-UV**  
DURAL E.  
53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280
- XVI. **alpha-Glucosidase and alpha-amylase inhibitory activities of crude ethanol extract and fractions of endemic Hyacinthella acutiloba K. Press. & Wendelbo bulbus**  
ERUYGUR N., DURAL E.  
53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280
- XVII. **DETERMINATION OF MIRTAZAPINE AND DESMETHYL MIRTAZAPINE IN PLASMA BY HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY ULTRAVIOLET DETECTION**  
DURAL E., ÖZCAN H., SÜZEN H. S.  
2nd International Gazi PharmaSymposium Series (GPSS-2017), 11 - 13 October 2017
- XVIII. **DETERMINATION OF DICLOFENAC BY A NEW VALIDATED HPLC METHOD IN HUMAN PLASMA**  
GÜLSÜM GÜL A., DURAL E., GÖRKEM M., ARISOY M., GÜLİN G., SÖYLEMEZOĞLU T.  
2nd International Gazi PharmaSymposium Series (GPSS-2017), 11 - 13 October 2017
- XIX. **Determination of phthalate levels in cosmetic and personal care products by HPLC-UV**  
DURAL E.

19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, 4 - 06 October 2017

- XX.  **$\alpha$ -Glucosidase and  $\alpha$ -amylase inhibitory activities of crude ethanol extract and fractions of endemic *Hyacinthella acutiloba* K. Press. *Wendelbo bulbosus***  
ERUYGUR N., DURAL E., TEKİN M., ÖZPINAR H.  
19th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region, ROMA, Italy, 3 - 06 October 2017
- XXI. **Characterization of Antidiabetic Polyhydroxylated Alkaloids in *Hyacinthella acutiloba* K. Press. *Wendelbo* by HPLC Method Endemic to Turkey**  
ERUYGUR N., DURAL E., TEKİN M.  
3. Uluslararası İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 26 - 29 April 2017
- XXII. **DETERMINATION OF DEOXYNOJIRIMYCIN BY DEVELOPED AND VALIDATED AN HPLC-FLD METHOD IN LEAVES OF MULBERRY VARIETIES FROM TURKEY**  
ERUYGUR N., DURAL E.  
1. Uluslararası Tıbbi ve Aromatik Bitkiler Kongresi, Konya, Turkey, 10 - 12 May 2017
- XXIII. **Sivas ta Yetişen Endemik Tür *Hyacinthella acutiloba* K Press *Wendelbo* nun in vitro Yöntemle Antioksidan Aktivitesinin İncelenmesi**  
ERUYGUR N., ÜSTÜN O., TEKİN M., ÖZPINAR H., DURAL E.  
XXII. Bitkisel İlaç Hammaddeleri Toplantısı (BİHAT 2016), Ankara, Turkey, 31 August - 05 September 2016
- XXIV. **Phthalates Environmental samples Biological samples Determination methods**  
DURAL E.  
2nd International Congress of Forensic Toxicology, Ankara, Turkey, 26 - 30 May 2016
- XXV. **Determination of Sildenafil in Herbal Supplements by HPLC UV**  
DURAL E., SÜZEN H. S., Söylemezoğlu T.  
2nd International Congress of Forensic Toxicology, Ankara, Turkey, 26 - 30 May 2016
- XXVI. **COMPARISONS OF MIRTAZAPINE DETERMINATION METHODS WITH HIGH PERFORMANCE LIQUID CHROMATOGRAPHY**  
Özcan H., DURAL E., SÜZEN H. S.  
2nd International Congress of Forensic Toxicology, Ankara, Turkey, 26 - 30 May 2016
- XXVII. **Simultaneous determination of clozapine and its main metabolites N desmethylclozapine and clozapine N oxide in human plasma by optimized and validated RP HPLC UV method**  
DURAL E., mergen g., söylemezoğlu t.  
9. Türk Toksikoloji Derneği Kongresine (TURKHELTOX), İzmir-Çeşme, Turkey, 21 - 24 November 2015
- XXVIII. **Sildenafil Düzeylerinin Pulmoner Arteriyel Hipertansiyon Hasta Plazmalarında Kromatografik Yöntemle Belirlenmesi ve Bitkisel Kökenli Ürünlerde İlegal Varlığının Araştırılması**  
DURAL E.  
I. Ulusal Sağlık Hukuku Kongresi, Ankara, Turkey, 1 - 04 May 2014, pp.125-142
- XXIX. **TOXICOLOGICAL ANALYSIS OF COCAINE AND MEPERIDINE AS ABUSED DRUGS**  
GÖRKEM M., DURAL E., SÖYLEMEZOĞLU T.  
17th ENFSI Drugs Working Group Meeting, 24 - 26 May 2011
- XXX. **Sildenafil Toxicity and Analysis Methods**  
DURAL E., SÜZEN H. S., KARABIYIK G., SÖYLEMEZOĞLU T.  
1st International Congress and Workshop of Forensic Toxicology, 29 - 30 November 2014
- XXXI. **Analysis of Phthalates Esters in Human Biological Samples**  
DURAL E., KAYAALTI Z.  
1st International Congress and Workshop of Forensic Toxicology, 29 - 30 November 2014
- XXXII. **Mirtazapine Pharmacology Inter and Intraindividual Pharmacokinetic Variations**  
ÖZCAN H., DURAL E., SÜZEN H. S.  
1st International Congress and Workshop of Forensic Toxicology, 29 - 30 November 2014
- XXXIII. **Phthalate Toxicity and Exposure Pathways**  
DURAL E., KAYAALTI Z., ŞAHİN C.

1st International Congress and Workshop of Forensic Toxicology, 29 - 30 November 2014

**XXXIV. Benzen Toluen Etil Benzen Xylene BTEX Exposures Pharmacokinetics Health Effects and Determination Methods**

DURAL E.

1. Uluslararası Adli Biyoloji ve Genetik Kongresi, 27 - 28 November 2014

**XXXV. Nicotine and Its Metabolites Toxicity and Determination Methods**

DURAL E.

1. Uluslararası Adli Biyoloji ve Genetik Kongresi 27-28 Kasım 2014, 27 - 28 November 2014

**XXXVI. Kronik Obstrüktif Akciğer Hastalığında Fonksiyonel Parametrelerde Değişmeler ve Kanda Kotinin Düzeyi**

KOZLUCA H., KARABIYIKOĞLU G., DURAL E., SÖYLEMEZOĞLU T.

Türk Toraks Derneği 17. Yıllık Kongresi, 2 - 06 April 2014

**XXXVII. Besin kaplarındaki ftalat düzeylerinin belirlenmesi için bir GC MS yönteminin geliştirilmesi ve valide edilmesi**

DURAL E., ŞAHİN C., KAYAALTI Z., SÖYLEMEZOĞLU T.

TTD DERNEĞİ II. TOKSİKOLOJİ SEMPOZYUMU "TOKSİKOLOJİDE GÜNCEL KONULAR, Turkey, 3 - 04 May 2013

**XXXVIII. DETERMINATION OF NICOTINE AND COTININE IN HUMAN PLASMA URINE AND SALIVA BY GAS CHROMATOGRAPHY MASS SPECTROMETRY**

DURAL E., SÖYLEMEZOĞLU T., TASLAK H., KARABIYIK G.

The 8.th Congress of the Turkish Society of Toxicology, 14 - 18 November 2012

**XXXIX. Determination of lymphocyte DNA damage by use of comet assay in painters**

KAYAALTI Z., SÖYLEMEZ E., BACAKSIZ A., DURAL E., YILMAZ Ö. H., SÖYLEMEZOĞLU T.

48th Congress of the European Societies of Toxicology (EUROTOX 2012), 17 - 20 June 2012

**XL. Determination of phthalate levels in maternal placenta and urine**

DURAL E., KOÇ B., KAYAALTI Z., KAYA B., BORAN E., SÖYLEMEZOĞLU T.

47th Congress of the European Societies of Toxicology, 28 - 31 August 2011

**XLI. Validation of GC MS method for determination of nicotine and cotinine in plasma and urine**

DURAL E., KAYA B., BORAN E., SÖYLEMEZOĞLU T.

47th Congress of the European Societies of Toxicology (EUROTOX 2011), 28 - 31 August 2011

**XLII. Determination of BTEX metabolites in urine of occupationally exposed workers and non exposed individuals**

DURAL E., MERGEN G., KAYA B., BORAN E., BACAKSIZ A., SÖYLEMEZOĞLU T.

47th Congress of the European Societies of Toxicology, 28 - 31 August 2011

**XLIII. Determination of Benzene Toluene Ethyl Benzene and Xylenes in urine of exposed and nonexposed residents of Ankara**

DURAL E., BORAN E., KAYA B., MERGEN G., SÖYLEMEZOĞLU T.

9th International ISSX Meeting September, 4 - 08 September 2010

**XLIV. Validation of GC head space method for the determination of toluene Application to exposed spray paint workers**

MERGEN G., DURAL E., TÜLİN S.

XII International Congress of Toxicology (IUTOX 2010), 19 - 23 June 2010

**XLV. Determination and quantitation of clozapine and its metabolites in plasma by HPLC**

DURAL E., MERGEN G., SÖYLEMEZOĞLU T.

46th Congress of the European Societies of Toxicology (EUROTOX2009), 13 - 16 September 2009

**XLVI. DETERMINATION OF OXIDATIVE STRESS SOME CLINICAL BIOMARKERS AND BLOOD ALCOHOL LEVEL IN CHRONIC ALCOHOLIC PATIENTS ADMITTED TO A PSYCHIATRY CLINIC**

çeken ş. ş., karakuş a., İLHAN İ., YALÇIN AZARKAN S., DURAL E., DOĞAN Y. B., SÖYLEMEZOĞLU T.

EUROTOX 2005, 11 - 14 September 2005

## Citations

Total Citations (WOS):3

h-index (WOS):1