

## Prof. BİNAY EKE

### Personal Information

Web: <https://avesis.ankara.edu.tr/eke>

### International Researcher IDs

ORCID: 0000-0001-9817-9034

Publons / Web Of Science ResearcherID: HSB-3597-2023

ScopusID: 6603625286

Yoksis Researcher ID: 4624

### Education Information

Doctorate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji (Dr) (Eczacılık), Turkey 1986 - 1992

Postgraduate, Ankara University, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji (Yl) (Tezli), Turkey 1983 - 1986

Undergraduate, Ankara University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1978 - 1982

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Pharmaceutical Toxicology

### Academic Titles / Tasks

Professor, Ankara University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2009 - Continues

### Academic and Administrative Experience

Ankara University, 2009 - Continues

Ankara University, 2009 - Continues

### Courses

Ksenobiyotik Metabolizmasında Konjugasyon Reaksiyonları (Bahar), Doctorate, 2016 - 2017

Endüstride ve Çevrede Biyoizleme (Bahar), Postgraduate, 2016 - 2017

Araştırma Projesi Teorik (Bahar), Undergraduate, 2016 - 2017

Farmasötik Toksikoloji I -Teorik (Güz), Undergraduate, 2016 - 2017

Toksikolojide Özel Uygulamalar (Güz), Doctorate, 2016 - 2017

Toksikolojide Özel Uygulamalar (Güz), Postgraduate, 2016 - 2017

Farmasötik Toksikoloji II - Teorik (Güz), Undergraduate, 2016 - 2017

Araştırma Projesi Pratik (Güz), Undergraduate, 2016 - 2017  
Epidemiyolojide Metodlar (Güz), Postgraduate, 2016 - 2017  
Analitik Toksikolojide İleri Yöntemler II (Güz), Postgraduate, 2016 - 2017  
Toksikolojide Uygulanan Moleküler Biyoloji Teknikleri, Doctorate, 2016 - 2017  
Farmasötik Toksikoloji II - Teorik (Bahar), Undergraduate, 2016 - 2017  
Toksikolojide Özel Uygulamalar (Bahar), Postgraduate, 2016 - 2017  
Farmasötik Toksikoloji II - Teorik (Yaz), Undergraduate, 2016 - 2017  
Toksikolojide Özel Uygulamalar (Bahar), Doctorate, 2016 - 2017  
Farmasötik Toksikoloji I - Pratik (Güz), Undergraduate, 2016 - 2017  
Araştırma Projesi Pratik (Bahar), Undergraduate, 2016 - 2017  
Farmasötik Toksikoloji I - Teorik (Bahar), Undergraduate, 2016 - 2017  
Epidemiyolojide Metodlar (Bahar), Postgraduate, 2016 - 2017  
Araştırma Projesi Teorik (Güz), Undergraduate, 2016 - 2017  
Ksenobiyotik Metabolizmasında Konjugasyon Reaksiyonları (Güz), Doctorate, 2016 - 2017

## Advising Theses

EKE B., Pembrolizumab verilen sıçanlarda olası testis toksisitesine karşı aromataz inhibitörlerinin etkisi, Doctorate, N.BAŞAK(Student), 2019  
EKE B., Alzheimer hastalarında bazı biyogöstergelerin değerlendirilmesi, Doctorate, B.ÖZLEM(Student), 2019  
EKE B., Ksenobiyotik metabolizmasında yer alan bazı cyp'lerin diyabetik sıçanlarda ekspresyonlarının incelenmesi, Postgraduate, N.MERVE(Student), 2019  
EKE B., Glutasyon (gsh) ve lipid peroksidasyon (lp) düzeylerinin parkinson hastalığındaki rolü, Postgraduate, E.ŞEN(Student), 2018  
EKE B., Diyabetik sıçanlarda CYP1A1 ve CYP2E1 enzim aktiviteleri ve lipid peroksidasyonun rolü, Postgraduate, G.KUZGUN(Student), 2017  
EKE B., Parkinson hastalığı ve sialik asit, Postgraduate, N.GÜNGÖR(Student), 2014  
EKE B., Sitokrom P450 2E1 (CYP2E1) enziminin parkinson hastalığındaki rolü, Postgraduate, R.BAŞARAN(Student), 2013  
EKE B., Parkinson hastalığının sigara kullanımı ile ilişkisinin araştırılması, Doctorate, E.DENİZ(Student), 2012  
EKE B., Glutasyon (GSH) düzeyinin plasentada araştırılması, Postgraduate, Y.KASAP(Student), 2010  
EKE B., Üridin difosfoglukuronozil transferaz (ugt) ve etoksiresorufin o-deetilaz (erod) aktivitelerinin plasentada araştırılması, Postgraduate, M.KAYA(Student), 2007  
EKE B., Fare beyinde kumarin 7-hidroksilaz (Coh) aktivitesi, Postgraduate, E.DENİZ(Student), 2004  
EKE B., Sıçan beyininin farklı bölgelerinde etoksiresorufin O-deetilaz (EROD) aktivitesi, Postgraduate, A.CESUR(Student), 2003

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

- I. **Design, Synthesis, Antimicrobial Evaluation, Antioxidant Studies, and Molecular Docking of Some New 1H-Benzimidazole Derivatives**  
Kuş C., Ozer E., Osman H. M., Sozudonmez F., Simsek D., Altanlar N., Basaran R., Güven N. M., Koçyiğit A., Can-Eke B.  
ChemistrySelect, vol.8, no.5, 2023 (SCI-Expanded)
- II. **Three-dimensional (3D) cell culture studies: a review of the field of toxicology**  
İPEK S., ÜSTÜNDAĞ A., Can Eke B.  
DRUG AND CHEMICAL TOXICOLOGY, vol.46, no.3, pp.523-533, 2023 (SCI-Expanded)
- III. **The effect of aromatase inhibitors against possible testis toxicity in pembrolizumab treated rats**  
BAŞAK TÜRKMEN N., ÇİFTÇİ O., TAŞLIDERE A., AYDIN M., EKE B.  
ANDROLOGIA, vol.54, no.10, 2022 (SCI-Expanded)
- IV. **Synthesis, antioxidant activity, molecular docking and ADME studies of novel pyrrole-benzimidazole**

## derivatives

Zengin Karadayi F., Basaran R., Kişla M. M., Eke B., Alagöz Z.

TURKISH JOURNAL OF CHEMISTRY, vol.46, no.3, pp.890-921, 2022 (SCI-Expanded)

- V. **Synthesis and evaluation of antioxidant activities of novel 1,3,4-oxadiazole and imine containing 1H-benzimidazoles**  
ALP A. S., KILCIGİL G., ÖZDAMAR E. D., ÇOBAN T., EKE B.  
TURKISH JOURNAL OF CHEMISTRY, vol.39, no.1, pp.42-53, 2015 (SCI-Expanded)
- VI. **Identification of a Novel Series of N-Phenyl-5-[(2phenylbenzimidazol-1-yl)methyl]-1,3,4-oxadiazol-2-amines as Potent Antioxidants and Radical Scavengers**  
KILCIGİL G., KUŞ C., ÇOBAN T., ÖZDAMAR E. D., EKE B.  
ARCHIV DER PHARMAZIE, vol.347, no.4, pp.276-282, 2014 (SCI-Expanded)
- VII. **Design and One-Pot and Microwave-Assisted Synthesis of 2-Amino/5-Aryl-1,3,4-oxadiazoles Bearing a Benzimidazole Moiety as Antioxidants**  
Kerimov I., KILCIGİL G., ÖZDAMAR E. D., EKE B., ÇOBAN T., ÖZBEY S., KAZAK C.  
ARCHIV DER PHARMAZIE, vol.345, no.7, pp.549-556, 2012 (SCI-Expanded)
- VIII. **Synthesis and Evaluation of Antioxidant Properties of Novel 2-[2-(4-chlorophenyl) benzimidazole-1-yl]-N-(2-arylmethylene amino) acetamides and 2-[2-(4-chlorophenyl) benzimidazole-1-yl]-N-(4-oxo-2-aryl-thiazolidine-3-yl) acetamides-I**  
KILCIGİL G., Gurkan S., ÇOBAN T., ÖZDAMAR E. D., EKE B.  
CHEMICAL BIOLOGY & DRUG DESIGN, vol.79, no.5, pp.869-877, 2012 (SCI-Expanded)
- IX. **Antioxidant and Antifungal Properties of Benzimidazole Derivatives**  
KUŞ C., Sozudonmez F., EKE B., ÇOBAN T.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.65, no.9-10, pp.537-542, 2010 (SCI-Expanded)
- X. **Synthesis, Antimicrobial and Antioxidant Activities of Some Benzimidazole Derivatives**  
KUŞ C., KILCIGİL G., TUNÇBİLEK M., ALTANLAR N., Coban T., EKE B., Iscan M.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.6, no.5, pp.374-379, 2009 (SCI-Expanded)
- XI. **Synthesis and antioxidant properties of novel N-methyl-1,3,4-thiadiazol-2-amine and 4-methyl-2H-1,2,4-triazole-3(4H)-thione derivatives of benzimidazole class**  
KUŞ C., KILCIGİL G., ÖZBEY S., KAYNAK F. B., Kaya M., Coban T., EKE B.  
Bioorganic and Medicinal Chemistry, vol.16, no.8, pp.4294-4303, 2008 (SCI-Expanded)
- XII. **Synthesis and antioxidant capacities of some new benzimidazole derivatives**  
KILCIGİL G., Kus C., Ozdamar E. D., EKE B., Iscan M.  
ARCHIV DER PHARMAZIE, vol.340, no.11, pp.607-611, 2007 (SCI-Expanded)
- XIII. **Synthesis, antifungal and antioxidant screening of some novel benzimidazole derivatives**  
Kerimov I., KILCIGİL G., EKE B., Altanlar N., Iscan M.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.22, no.6, pp.696-701, 2007 (SCI-Expanded)
- XIV. **Evaluation of the antioxidant effects of some flavonylthiazolidinediones by determining their effects on lipid peroxidation, superoxide anion formation, and 2,2-diphenyl-1-picrylhydrazyl stable free radical**  
Tuncbilek M., EKE B., KILCIGİL G., Coban T., Iscan M.  
Biological and Pharmaceutical Bulletin, vol.27, no.6, pp.912-915, 2004 (SCI-Expanded)
- XV. **Synthesis and antioxidant properties of some novel benzimidazole derivatives on lipid peroxidation in the rat liver**  
Kus C., KILCIGİL G., EKE B., Iscan M.  
ARCHIVES OF PHARMACAL RESEARCH, vol.27, no.2, pp.156-163, 2004 (SCI-Expanded)
- XVI. **The organochlorine pesticide residues and antioxidant enzyme activities in human breast tumors: Is there any association?**  
Iscan M., Coban T., Cok I., Bulbul D., EKE B., Burgaz S.  
Breast Cancer Research and Treatment, vol.72, no.2, pp.173-182, 2002 (SCI-Expanded)
- XVII. **Effects of cigarette smoke with different tar contents on hepatic and xenobiotic metabolizing**

**pulmonary enzymes in rats**

EKE B., Iscan M.

HUMAN & EXPERIMENTAL TOXICOLOGY, vol.21, no.1, pp.17-23, 2002 (SCI-Expanded)

- XVIII. **7-ethoxyresorufin O-deethylase (EROD) activity is not capable of reflecting the overall malignant potential of breast cancer tissue**  
Iscan M., EKE B., Aygormez S., Coban T., Bulbul D.  
Neoplasma, vol.46, no.6, pp.363-367, 1999 (SCI-Expanded)
- XIX. **Gender dependent effects of cigarette smoke on hepatic and pulmonary xenobiotic metabolizing enzymes in rats**  
EKE B., Coban T., Vural N., Iscan M.  
Environmental Toxicology and Pharmacology, vol.5, no.1, pp.29-34, 1998 (SCI-Expanded)
- XX. **Glutathione and lipid peroxidation levels in human breast tumors**  
Coban T., Mabsout A., EKE B., Bulbul D., Berberoglu U., Iscan M.  
Neoplasma, vol.45, no.3, pp.151-156, 1998 (SCI-Expanded)
- XXI. **Xenobiotic metabolizing and antioxidant enzymes in normal and neoplastic human breast tissue**  
Iscan M., Coban T., Bulbul D., EKE B., Aygormez S., Berberoglu U.  
European Journal of Drug Metabolism and Pharmacokinetics, vol.23, no.4, pp.497-500, 1998 (SCI-Expanded)
- XXII. **Age dependent differential effects of cigarette smoke on hepatic and pulmonary xenobiotic metabolizing enzymes in rats**  
EKE B., Vural N., Iscan M.  
ARCHIVES OF TOXICOLOGY, vol.71, no.11, pp.696-702, 1997 (SCI-Expanded)
- XXIII. **Combined effects of ethanol and cigarette smoke on hepatic and pulmonary xenobiotic metabolizing enzymes in rats**  
EKE B., Vural N., Iscan M.  
CHEMICO-BIOLOGICAL INTERACTIONS, vol.102, no.3, pp.155-167, 1996 (SCI-Expanded)
- XXIV. **Corticosterone promotes increased heme oxygenase-2 protein and transcript expression in the newborn rat brain**  
Maines M., EKE B., Zhao X.  
BRAIN RESEARCH, vol.722, no.1-2, pp.83-94, 1996 (SCI-Expanded)
- XXV. **MULTIPLE TRANSCRIPTS ENCODING HEME OXYGENASE-2 IN RAT TESTIS - DEVELOPMENTAL AND CELL-SPECIFIC REGULATION OF TRANSCRIPTS AND PROTEIN**  
MCCOUBREY W., EKE B., MAINES M.  
BIOLOGY OF REPRODUCTION, vol.53, no.6, pp.1330-1338, 1995 (SCI-Expanded)
- XXVI. **CORTICOSTERONE HAS A PERMISSIVE EFFECT ON EXPRESSION OF HEME OXYGENASE-1 IN CA1-CA3 NEURONS OF HIPPOCAMPUS IN THERMAL-STRESSED RATS**  
MAINES M., EKE B., WEBER C., EWING J.  
JOURNAL OF NEUROCHEMISTRY, vol.64, no.4, pp.1769-1779, 1995 (SCI-Expanded)
- XXVII. **Differential responses of hepatic monooxygenases and glutathione S-transferases of mice to a combination of cadmium and nickel**  
ISCAN M., COBAN T., EKE B., ISCAN M.  
Comparative Biochemistry and Physiology. Part C: Comparative, vol.111, no.1, pp.61-68, 1995 (SCI-Expanded)
- XXVIII. **CORTICOSTERONE REGULATES HEME OXYGENASE-2 AND NO SYNTHASE TRANSCRIPTION AND PROTEIN EXPRESSION IN RAT-BRAIN**  
WEBER C., EKE B., MAINES M.  
JOURNAL OF NEUROCHEMISTRY, vol.63, no.3, pp.953-962, 1994 (SCI-Expanded)
- XXIX. **Differential combined effect of cadmium and nickel on hepatic and renal glutathione S-transferases of the guinea pig**  
ISCAN M., COBAN T., EKE B.  
Environmental Health Perspectives, vol.102, no.SUPPL. 9, pp.69-72, 1994 (SCI-Expanded)
- XXX. **The responses of hepatic monooxygenases of guinea pig to cadmium and nickel**  
ISCAN M., COBAN T., EKE B., ISCAN M.

Biological Trace Element Research, vol.38, no.2, pp.129-137, 1993 (SCI-Expanded)

- XXXI. **Responses of Hepatic Xenobiotic Metabolizing Enzymes of Mouse, Rat and Guinea-Pig to Nickel**  
ISCAN M., COBAN T., EKE B.  
Pharmacology & Toxicology, vol.71, no.6, pp.434-442, 1992 (SCI-Expanded)

## Articles Published in Other Journals

- I. **ALZHEIMER'S DISEASE, RISK FACTORS AND THERAPY**  
YILDIRIM N., EKE B.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.48, no.2, pp.766-790, 2024 (Scopus)
- II. **ÇEVRESEL BİR ENDOKRİN BOZUCU KİMYASAL: BİSFENOL A VE POLİKİSTİK OVER SENDROMU OLUŞUMUNDA OLASI ETKİLERİ**  
GÜVEN N. M., EKE B.  
Türk Bilimsel Derlemeler Dergisi, vol.15, no.1, pp.1-41, 2022 (Peer-Reviewed Journal)
- III. **Legal regulations regarding new and developing nicotine and tobacco products in Turkey Türkiye'de yeni üretilen ve geliştirilmekte olan nikotin ve tütün ürünleri ile ilgili yasal düzenlemeler**  
EKE B., YÜCE Y.  
Turk Hijyen ve Deneysel Biyoloji Dergisi, vol.79, no.3, pp.567-578, 2022 (Scopus)
- IV. **KARBONMONOKSİT ZEHİRLENMELERİNDE POSTMORTEM DEĞİŞİKLİKLER**  
KOÇYİĞİT A., EKE B.  
ANKARA UNIVERSİTESİ ECZACILIK FAKÜLTESİ DERGISİ, vol.45, no.3, pp.722-735, 2021 (Scopus)
- V. **CD33 and Alzheimer's Disease**  
PERK B. Ö., GÜVEN N. M., EKE B.  
Turkish Journal of Scientific Reviews, 2018 (Peer-Reviewed Journal)
- VI. **A study on the optimization of CYP2E1 enzyme activity in C57Bl/6 mouse brain and liver**  
BAŞARAN R., ÖZDAMAR E. D., EKE B.  
Fabad Journal of Pharmaceutical Sciences, vol.37, no.4, pp.191-196, 2012 (Scopus)
- VII. **Optimization study of coumarin 7-hydroxylase enzyme activity in mouse brain and liver**  
ÖZDAMAR E. D., EKE B.  
Fabad Journal of Pharmaceutical Sciences, vol.35, no.2, pp.77-84, 2010 (Scopus)
- VIII. **Studies on the activities of drug metabolizing enzymes in lung and kidney microsomes of rat Sıçan akciğeri ve böbreği mikrozomlarında ilaç metabolize eden enzimlerin aktiviteleri üzerine çalışmalar**  
EKE B.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.32, no.1, pp.1-18, 2003 (Scopus)
- IX. **Combined effects of cadmium and nickel on hepatic glutathione S-transferases in rats**  
ISCAN M., EKE B., COBAN T.  
Comparative Biochemistry and Physiology. Part C, Comparative, vol.104, no.3, pp.453-456, 1993 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Polikistik over sendromunda CYP450 regülasyonu**  
GÜVEN N. M., EKE B.  
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), 19 - 20 March 2020
- II. **Role of oxidative stress and polycystic ovary syndrome**  
GÜVEN N. M., EKE B.  
15th Annual Congress on Pharmacology and Toxicology, 2 - 03 December 2019
- III. **Alzheimer Hastalığı ve Kannabidiol**  
PERK B. Ö., GÜVEN N. M., EKE B.

V. Uluslararası Multidisipliner Çalışmaları Sempozyumu (ISMS), 16 - 17 November 2018

**IV. Sigara içmek diyabet için bir risk faktörü müdür?**

GÜVEN N. M., PERK B. Ö., EKE B.

V. Uluslararası Multidisipliner Çalışmaları Sempozyumu (ISMS), 16 - 17 November 2018

**V. EVALUATION OF CD33 LEVELS IN ALZHEIMER'S DISEASE: A PRELIMINARY STUDY**

PERK B. Ö., ÖZKAN T., GÜVEN N. M., SUNGUROĞLU A., EKE B.

12th International Symposium on Pharmaceutical Sciences (ISOPS), 26 - 29 June 2018

**VI. CD33 and Alzheimer's Disease**

PERK B. Ö., GÜVEN N. M., EKE B.

IV. International Congress for Applied Biological Sciences, 3 - 05 May 2018

**VII. Nitrate, nitrite and N-nitroso compounds intake and the risk for type 1 diabetes**

GÜVEN N. M., PERK B. Ö., EKE B.

1st International Food and Medicine Congress, 24 - 27 May 2018

**VIII. Can Sialic Acid as a Potential Therapeutic Agent for Alzheimer's disease?**

PERK B. Ö., EKE B.

1st International Food and Medicine Congress, 24 - 27 May 2018

**IX. The Role of Vitamin D in Type 1 Type 2 Diabetes**

GÜVEN N. M., PERK B. Ö., EKE B.

1st International Food and Medicine Congress, 24 - 27 May 2018

**X. Folic Acid and Alzheimer's disease**

PERK B. Ö., GÜVEN N. M., EKE B.

1st International Food and Medicine Congress, 24 - 27 May 2018

**XI. Amyloid toxicity in Alzheimer's disease**

GÜVEN N. M., PERK B. Ö., EKE B.

IV. International Congress on Applied Biological Sciences, 3 - 05 May 2018

**XII. Alteration of CYP450s expression under diabetic conditions**

GÜVEN N. M., BAŞARAN R., EKE B.

IV. International Congress on Applied Biological Sciences, 3 - 05 May 2018

**XIII. Kapalı Mekan Radon Maruziyeti ve Akciğer Kanseri İlişkisi**

GÜVEN N. M., PERK B. Ö., EKE B.

International Eurasian Conference on Biological and Chemical Sciences, 26 - 27 April 2018

**XIV. IQOS®'un İnsan ve Çevre Sağlığı Üzerine Etkileri**

GÜVEN N. M., BAŞARAN R., EKE B.

International Eurasian Conference on Biological and Chemical Sciences, 26 - 27 April 2018

**XV. Sialik Asit ve Beyin Gelişimi**

PERK B. Ö., EKE B.

International Eurasian Conference on Biological and Chemical Sciences, 26 - 27 April 2018

**XVI. Yenidoğan Hiperbilirubinemi Otizm Spektrum Bozukluğu ile İlişkili midir?**

PERK B. Ö., GÜVEN N. M., EKE B.

INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, 26 - 27 April 2018

**XVII. Determination of CYP2E1 Metabolic Activity in C57Bl/6 Brain Microsomes**

BAŞARAN R., ÖZDAMAR E. D., EKE B.

2nd International Gazi Pharma Symposium Series, 11 - 13 October 2017

**XVIII. The Role of Nicotine on Liver Glutathione and Lipid Peroxidation Levels in Mouse Models of Parkinson's Disease**

EKE B., ŞEN E., BAŞARAN R., ÖZDAMAR E. D.

2nd International Gazi Pharma Symposium Series, 11 - 13 October 2017

**XIX. The Role of CYP1A1 and CYP2E1 Enzyme Activities and Lipid Peroxidation Levels in Diabetic Rats**

KUZGUN G., BAŞARAN R., ARIOĞLU İNAN E., EKE B.

2nd International Conference on Enzymology and Molecular Biology, 20 - 21 March 2017

**XX. The role of CYP1A1 and CYP2E1 Enzyme Activities and Lipid peroxidation levels in diabetic rats**

kuzgun g, başaran r., ARIOĞLU İNAN E., EKE B.

2nd International Conference on Enzymology and Molecular Biology, 20 - 21 March 2017

**XXI. TOXICOKINETICS DISPOSITION OF XENOBIOTICS**

EKE B.

Principles of Toxicology Course, 4 - 08 April 2016

**XXII. Bazı Nörodejeneratif Hastalıklarda Glutatyonun Önemi**

PERK B. Ö., EKE B.

2. İVEK Uluslararası İlaç ve Eczacılık Kongresi, Turkey, 27 - 29 November 2015

**XXIII. Synthesis of Some Novel Imine Containing 1H Benzimidazole**

DEMİREL S., KILCIGİL G., BAŞARAN R., EKE B.

Frontiers in Medicinal Chemistry 2015, 14 - 16 September 2015

**XXIV. Comparison of Brain CYP2E1 in MPTP induced Swiss albino and C57Bl 6 Models of Parkinson s Disease**

BAŞARAN R., ÖZDAMAR E. D., EKE B.

11th International Symposium on Pharmaceutical Sciences, 9 - 12 June 2015

## **Expert Reports**

**I. Sentetik Kannabinoidler ve Toksisiteleri**

EKE B.

2015

## **Metrics**

Publication: 70

Citation (WoS): 962

Citation (Scopus): 1066

H-Index (WoS): 15

H-Index (Scopus): 16