

# Prof. NURSABAH ELİF BAŞCI AKDUMAN

## Personal Information

**Email:** nbasci@hacettepe.edu.tr

**Web:** <https://avesis.hacettepe.edu.tr/nbasci>

## International Researcher IDs

ORCID: 0000-0001-5370-2362

Yoksis Researcher ID: 101541

## Education Information

Doctorate, Hacettepe University, Eczacılık Fakültesi, Analitik Kimya, Turkey 1987 - 1993

Postgraduate, Hacettepe University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 1981 - 1985

Undergraduate, Hacettepe University, Kimya Fakültesi, Kimya Mühendisliği, Turkey 1978 - 1981

## Foreign Languages

English, B2 Upper Intermediate

## Research Areas

Basic Pharmaceutics Sciences, Health Sciences, Pharmacology and Therapeutics, Analytical Chemistry

## Academic Titles / Tasks

Professor, Hacettepe University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri Bölümü, 1998 - Continues

## Advising Theses

BAŞCI N. E., Kabergolin ve tadalafil'in asitlik sabitlerinin tayininde spektrofotometri, potansiyometri ve yüksek performanslı sıvı kromatografisi, Postgraduate, M.BANU(Student), 2016

BAŞCI N. E., Yüksek performanslı sıvı kromatografisi ile ilaç analizlerinde yeşilleştirme, Doctorate, A.DOĞAN(Student), 2015

BAŞCI N. E., Development and validation of an ultra-performance liquid chromatographic-tandem mass spectrometry (UPLC-MS/MS) method for determination of betamethasone or dexamethasone in pharmaceutical preparations, Doctorate, (.JAMAL)(Student), 2013

BAŞCI N. E., Klorhekzidin glukonat ve Benzidamin hidroklorür karışımının farmasötik preparattan analizi için yüksek performanslı sıvı kromatografik ve spektrofotometrik yöntemlerin geliştirilmesi, Postgraduate, A.DOĞAN(Student), 2009

BAŞCI N. E., Kabergolin'in farmasötik preparattan spektrofotometrik analizi, Postgraduate, D.SALMAN(Student), 2007

BAŞCI N. E., Proparakainin kromatografik davranışının incelenmesi ve göz içi sıvılarında proparakainin kromatografik tayini, Doctorate, A.DİNÇEL(Student), 2006

BAŞCI N. E., Betaksololün kromatografik davranışının incelenmesi ve vücut sıvılarında yüksek performanslı sıvı kromatografisi yöntemi ile tayini, Postgraduate, B.DÜLGER(Student), 2001

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

- I. **Optimized high-throughput protocols for comprehensive metabolomic and lipidomic profiling of brain sample**  
EYLEM C. C., NEMUTLU E., DOĞAN A., Acik V., Matyar S., Gezercan Y., Altintas S., Okten A. I., BAŞCI AKDUMAN N. E.  
TALANTA, 2025 (SCI-Expanded)
- II. **A Novel Method for Development and Validation of the Degradation Products Analysis of N-Carbamylglutamate with UHPLC by Using Design of Experiment Approach**  
Arabaci B., Yerlikaya F., BAŞCI AKDUMAN N. E.  
ACS OMEGA, 2024 (SCI-Expanded)
- III. **Effects of genetic polymorphisms of CYP2J2, CYP2C9, CYP2C19, CYP4F2, CYP4F3 and CYP4A11 enzymes in preeclampsia and gestational hypertension**  
Ongun M. C., Tonyali N. V., KAPLAN O., DEĞER İ., ÇELEBİER M., BAŞCI AKDUMAN N. E., Sahin D., Yucel A., BABAOĞLU M. Ö.  
Placenta, vol.137, pp.88-95, 2023 (SCI-Expanded)
- IV. **High-Throughput Single-Step plasma sample extraction optimization strategies with experimental design for LC-MS and GC-MS integrated metabolomics and lipidomics analysis**  
Eylem C. C., NEMUTLU E., DOĞAN A., Acik V., Matyar S., Gezercan Y., Altintas S., Okten A. I., BAŞCI AKDUMAN N. E.  
MICROCHEMICAL JOURNAL, vol.179, 2022 (SCI-Expanded)
- V. **An Overview of Green Chromatographic Analysis from Pharmaceutical Preparations**  
DOĞAN A., Eylem C. C., BAŞCI AKDUMAN N. E.  
CURRENT ANALYTICAL CHEMISTRY, vol.17, no.9, pp.1260-1277, 2021 (SCI-Expanded)
- VI. **Application of green methodology to pharmaceutical analysis using eco-friendly ethanol-water mobile phases**  
DOĞAN A., Eylem C. C., BAŞCI AKDUMAN N. E.  
MICROCHEMICAL JOURNAL, vol.157, 2020 (SCI-Expanded)
- VII. **Validated Ultra Performance Liquide Chromatography-Tandom Mass Spectrometric Method for Determination of Betamethasone or Dexamethasone in Pharmaceuticals**  
Shammout M. J. A., Basci N. E.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.14, no.1, pp.68-75, 2018 (SCI-Expanded)
- VIII. **Green Bioanalytical and Pharmaceutical Analysis of Voriconazole and Tadalafil by HPLC**  
DOĞAN A., Basci N. E.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.13, no.6, pp.495-504, 2017 (SCI-Expanded)
- IX. **Process and formulation variables of pregabalin microspheres prepared by w/o/o double emulsion solvent diffusion method and their clinical application by animal modeling studies**  
Aydogan E., Comoglu T., PEHLİVANOĞLU B., Dogan M., COMOGLU S., DOĞAN A., Basci N. E.  
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.41, no.8, pp.1311-1320, 2015 (SCI-Expanded)
- X. **Development and Validation of RP-HPLC and Ultraviolet Spectrophotometric Methods of Analysis for the Quantitative Determination of Chlorhexidine Gluconate and Benzydamine Hydrochloride in Pharmaceutical Dosage Forms**  
DOĞAN A., Basci N. E.  
CURRENT PHARMACEUTICAL ANALYSIS, vol.7, no.3, pp.167-175, 2011 (SCI-Expanded)
- XI. **Spectrophotometric Analysis of Cabergoline in Pharmaceutical Preparations**  
Salman D., DOĞAN A., Basci N. E.  
LATIN AMERICAN JOURNAL OF PHARMACY, vol.30, no.2, pp.304-310, 2011 (SCI-Expanded)
- XII. **Formulation and evaluation of diclofenac potassium fast-disintegrating tablets and their clinical application in migraine patients**  
Comoglu T., DOĞAN A., Comoglu S., Basci N. E.  
DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY, vol.37, no.3, pp.260-267, 2011 (SCI-Expanded)
- XIII. **Method Development and Validation for the Determination of Cabergoline in Tablets by Capillary Zone Electrophoresis**

DOĞAN A., Pehlivan I., Basci N. E.

LATIN AMERICAN JOURNAL OF PHARMACY, vol.30, no.1, pp.132-138, 2011 (SCI-Expanded)

- XIV. **Penetration of topically applied diclofenac and ketorolac into the aqueous humour and subretinal fluid: randomized clinical trial**  
Unlu N., Kocaoglan H., Sayin F., Hazirolan D., Demircan S., Basci N. E., Acar M. A., Demir N. M., Duman S.  
CANADIAN JOURNAL OF OPHTHALMOLOGY-JOURNAL CANADIEN D OPHTALMOLOGIE, vol.45, no.6, pp.610-615, 2010 (SCI-Expanded)
- XV. **Development and in vitro evaluation of pantoprazole-loaded microspheres**  
Comoglu T., Gonul N., DOĞAN A., Basci N. E.  
DRUG DELIVERY, vol.15, no.5, pp.295-302, 2008 (SCI-Expanded)
- XVI. **Penetration of betaxolol HCL ionic suspension 0.25% and betaxolol HCL solution 0.50% into the aqueous humor**  
Yalvac I. S., Basci N. E., Dulger B., Duman S.  
EUROPEAN JOURNAL OF OPHTHALMOLOGY, vol.17, no.3, pp.368-371, 2007 (SCI-Expanded)
- XVII. **Development and validation of an HPLC-UV-Vis method for the determination of proparacaine in human aqueous humour**  
Dincel A., Basci N. E., Atilla H., BoAurt A.  
CHROMATOGRAPHIA, vol.66, 2007 (SCI-Expanded)
- XVIII. **An experimental design approach to selecting the optimum LC conditions for the determination of local anaesthetics**  
Dincel A., Basci N. E.  
CHROMATOGRAPHIA, vol.66, 2007 (SCI-Expanded)
- XIX. **Determination of ketorolac tromethamine in human eye samples by HPLC with photo diode-array detection**  
Demircan S., Sayin F., Basci N. E., Uenlue N., Kir S.  
CHROMATOGRAPHIA, vol.66, 2007 (SCI-Expanded)
- XX. **Penetration of topically applied ciprofloxacin and ofloxacin into the aqueous humor and vitreous**  
Yalvac I., Basci N. E., Bozkurt A., Duman S.  
JOURNAL OF CATARACT AND REFRACTIVE SURGERY, vol.29, no.3, pp.487-491, 2003 (SCI-Expanded)
- XXI. **Effects of terfenadine and diphenhydramine on the CYP2D6 activity in healthy volunteers**  
Kortunay S., Bozkurt A., Basci N. E., Kayaalp S.  
EUROPEAN JOURNAL OF DRUG METABOLISM AND PHARMACOKINETICS, vol.27, no.3, pp.171-174, 2002 (SCI-Expanded)
- XXII. **Determination of betaxolol in human aqueous humour by high-performance liquid chromatography with fluorescence detection**  
Dulger B., Basci N. E., Sagdic-Yalvac I., Temizer A.  
JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES, vol.772, no.1, pp.179-183, 2002 (SCI-Expanded)
- XXIII. **Dose-dependent inhibition of the CYP2D6 catalyzed oxidation of sparteine by mepyramine in healthy volunteers**  
Kortunay S., Bozkurt A., Basci N. E., Brosen K., Kayaalp S.  
PHARMACOLOGY & TOXICOLOGY, vol.89, no.6, pp.331-334, 2001 (SCI-Expanded)
- XXIV. **Comparison of subretinal fluid levels of two 0.3% ciprofloxacin-containing eye drops**  
Cekic O., Batman C., Yasar U., Totan Y., Basci N. E., Bozkurt A., Zilelioglu O., Kayaalp S.  
CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY, vol.29, no.1, pp.30-32, 2001 (SCI-Expanded)
- XXV. **Subretinal fluid levels of topical, oral, and combined administered ciprofloxacin in humans**  
Cekic O., Batman C., Yasar U., Basci N. E., Zilelioglu O., Bozkurt A.  
BRITISH JOURNAL OF OPHTHALMOLOGY, vol.84, no.9, pp.1061-1063, 2000 (SCI-Expanded)
- XXVI. **The effects of prolonged acute use and inflammation on the ocular penetration of topical ciprofloxacin**  
Ozturk F., Kurt E., Inan U., Kortunay S., Ilker S., Basci N. E., Bozkurt A.

- INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.204, pp.97-100, 2000 (SCI-Expanded)
- XXVII. **Penetration of topical and oral ofloxacin into the aqueous and vitreous humor of inflamed rabbit eyes**  
Ozturk F., Kurt E., Inan U., Kortunay S., Ilker S., Basci N. E., Bozkurt A.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.204, pp.91-95, 2000 (SCI-Expanded)
- XXVIII. **The pharmacokinetics and effects of diltiazem in rabbits**  
Oruc S., Orhan D., Orhan M., Irkec M., Basci N. E., Barun S., Bozkurt A.  
EUROPEAN JOURNAL OF OPHTHALMOLOGY, vol.10, no.1, pp.46-50, 2000 (SCI-Expanded)
- XXIX. **The effect of long-term use and inflammation on the ocular penetration of topical ofloxacin**  
Ozturk F., Kortunay S., Kurt E., Inan U., Ilker S., Basci N. E., Bozkurt A.  
CURRENT EYE RESEARCH, vol.19, no.6, pp.461-464, 1999 (SCI-Expanded)
- XXX. **Ofloxacin levels after intravitreal injection - Effects of trauma and inflammation**  
Ozturk F., Kortunay S., Kurt E., Inan U., Ilker S., Basci N. E., Bozkurt A., Kayaalp S.  
OPHTHALMIC RESEARCH, vol.31, no.6, pp.446-451, 1999 (SCI-Expanded)
- XXXI. **Aqueous humour levels of topically applied ciprofloxacin and ofloxacin in the same subjects**  
Cekic O., Batman C., Totan Y., Yasar U., Basci N. E., Bozkurt A., Kayaalp S., Zilelioglu O.  
EYE, vol.13, pp.656-659, 1999 (SCI-Expanded)
- XXXII. **Penetration of topical, oral, and combined administered ofloxacin into the subretinal fluid**  
Cekic O., Batman C., Yasar U., Totan Y., Basci N. E., Bozkurt A., Zilelioglu O., Kayaalp S.  
BRITISH JOURNAL OF OPHTHALMOLOGY, vol.83, no.10, pp.1183-1185, 1999 (SCI-Expanded)
- XXXIII. **Human aqueous and vitreous humour levels of ciprofloxacin following oral and topical administration**  
Cekic O., Batman C., Yasar U., Basci N. E., Bozkurt A., Kayaalp S.  
EYE, vol.13, pp.555-558, 1999 (SCI-Expanded)
- XXXIV. **Penetration of ofloxacin and ciprofloxacin in aqueous humor after topical administration**  
Cekic O., Batman C., Totan Y., Yasar U., Basci N. E., Bozkurt A., Kayaalp S.  
OPHTHALMIC SURGERY AND LASERS, vol.30, no.6, pp.465-468, 1999 (SCI-Expanded)
- XXXV. **CYP2D6 polymorphism in systemic lupus erythematosus patients**  
Kortunay S., Bozkurt A., Bathum L., Basci N. E., Calguneri M., Brosen K., Kayaalp S.  
EUROPEAN JOURNAL OF CLINICAL PHARMACOLOGY, vol.55, no.1, pp.21-25, 1999 (SCI-Expanded)
- XXXVI. **CYP2C19 genotype does not represent a genetic predisposition in idiopathic systemic lupus erythematosus**  
Kortunay S., Bozkurt A., Bathum L., Basci N. E., Calguneri M., Brosen K., Kayaalp S.  
ANNALS OF THE RHEUMATIC DISEASES, vol.58, no.3, pp.182-185, 1999 (SCI-Expanded)
- XXXVII. **Effects of trauma and infection on ciprofloxacin levels in the vitreous cavity**  
Ozturk F., Kortunay S., Kurt E., Ilker S., Inan U., Basci N. E., Bozkurt A., Kayaalp S.  
RETINA-THE JOURNAL OF RETINAL AND VITREOUS DISEASES, vol.19, no.2, pp.127-130, 1999 (SCI-Expanded)
- XXXVIII. **Penetration of topical and oral ciprofloxacin into the aqueous and vitreous humor in inflamed eyes**  
Ozturk F., Kortunay S., Kurt E., Ilker S., Basci N. E., Bozkurt A.  
RETINA-THE JOURNAL OF RETINAL AND VITREOUS DISEASES, vol.19, no.3, pp.218-222, 1999 (SCI-Expanded)
- XXXIX. **Optimization of mobile phase in the separation of beta-blockers by HPLC**  
Basci N. E., Temizer A., Bozkurt A., Isimer A.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.18, pp.745-750, 1998 (SCI-Expanded)
- XL. **Optimization of the separation of  $\beta$ -blockers in HPLC**  
Basci N. E., Temizer A., Bozkurt A., Isimer A.  
Journal de Pharmacie de Belgique, vol.53, no.3, pp.156, 1998 (SCI-Expanded)
- XLI. **Comparison of aqueous humour and vitreous humour levels of two 0.3% ciprofloxacin eyedrops**  
Cekic O., Batman C., Yasar U., Basci N. E., Bozkurt A., Kayaalp S.  
CANADIAN JOURNAL OF OPHTHALMOLOGY-JOURNAL CANADIEN D OPHTALMOLOGIE, vol.33, no.7, pp.373-376, 1998 (SCI-Expanded)
- XLII. **Penetration of ciprofloxacin in human aqueous and vitreous humors following oral and topical**

**administration**

Kayaalp S., Cekic O., Batman C., Yasar U., Basci N. E., Bozkurt A.

NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.358, no.1, 1998 (SCI-Expanded)

- XLIII. **Omission of the deconjugation step in urine analysis and the unaltered outcome of CYP2D6 phenotyping with dextromethorphan**  
Basci N. E., Bozkurt A., Kayaalp S., Sayal A., Isimer A.  
EUROPEAN JOURNAL OF DRUG METABOLISM AND PHARMACOKINETICS, vol.23, no.1, pp.1-5, 1998 (SCI-Expanded)
- XLIV. **Penetration of ofloxacin in human aqueous and vitreous humors following oral and topical administration**  
Cekic O., Batman C., Yasar U., Basci N. E., Bozkurt A., Kayaalp O.  
RETINA-THE JOURNAL OF RETINAL AND VITREOUS DISEASES, vol.18, no.6, pp.521-525, 1998 (SCI-Expanded)
- XLV. **The penetration of ofloxacin into human aqueous humor given by various routes**  
Hanioglu-Kargi S., Basci N. E., Soysal H., Bozkurt A., Gursel E., Kayaalp O.  
EUROPEAN JOURNAL OF OPHTHALMOLOGY, vol.8, no.1, pp.33-36, 1998 (SCI-Expanded)
- XLVI. **Effects of trauma and inflammation on the availability of ciprofloxacin in the vitreous cavity**  
Kortunay S., Ozturk F., Kurt E., Ilker S., Inan U., Basci N. E., Bozkurt A., Kayaalp S.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.358, no.1, 1998 (SCI-Expanded)
- XLVII. **The hydroxylation of omeprazole correlates with S-mephenytoin and proguanil metabolism**  
Kortunay S., Basci N. E., Bozkurt A., Isimer A., Sayal A., Kayaalp S.  
EUROPEAN JOURNAL OF CLINICAL PHARMACOLOGY, vol.53, pp.261-264, 1997 (SCI-Expanded)
- XLVIII. **Determination of ofloxacin in human aqueous humour by high-performance liquid chromatography with fluorescence detection**  
Basci N. E., HaniogluKargi S., Soysal H., Bozkurt A., Kayaalp S.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.15, no.5, pp.663-666, 1997 (SCI-Expanded)
- XLIX. **Proguanil metabolism in relation to S-mephenytoin oxidation in a Turkish population**  
Basci N. E., Bozkurt A., Kortunay S., Isimer A., Sayal A., Kayaalp S.  
BRITISH JOURNAL OF CLINICAL PHARMACOLOGY, vol.42, no.6, pp.771-773, 1996 (SCI-Expanded)
- L. **Metabolic ratios of four probes of CYP2D6 in Turkish subjects: A cross-over study**  
Bozkurt A., Basci N. E., Isimer A., Sayal A., Kayaalp S.  
EUROPEAN JOURNAL OF DRUG METABOLISM AND PHARMACOKINETICS, vol.21, no.4, pp.309-314, 1996 (SCI-Expanded)
- LI. **Penetration of topical 0.3% ciprofloxacin into human aqueous humor**  
Kalayci D., Basci N. E., Akpek E., Hasiripi H., Bozkurt A.  
OPHTHALMIC SURGERY AND LASERS, vol.27, no.1, pp.21-24, 1996 (SCI-Expanded)
- LII. **Rapid liquid chromatographic assay of ciprofloxacin in human aqueous humor**  
Basci N. E., Bozkurt A., Kalayci D., Kayaalp S.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.14, no.3, pp.353-356, 1996 (SCI-Expanded)
- LIII. **EFFECT OF ENCAPSULATION OF CHLORAMPHENICOL IN ALBUMIN MICROSPHERES ON ITS IN-VITRO TRANSFER ACROSS THE HUMAN PLACENTA**  
ONUR M., VURAL İ., BASCI N. E., PAMIR R., COSKUN T., ISIMER A., KAS H., BEKSAC S., HINCAL A., TUMER A.  
JOURNAL OF MICROENCAPSULATION, vol.11, no.6, pp.657-662, 1994 (SCI-Expanded)
- LIV. **POLYMORPHIC DEBRISOQUIN METABOLISM IN A TURKISH POPULATION**  
BOZKURT A., BASCI N. E., ISIMER A., SAYAL A., KAYAALP S.  
CLINICAL PHARMACOLOGY & THERAPEUTICS, vol.55, no.4, pp.399-401, 1994 (SCI-Expanded)
- LV. **S-mephenytoin, sparteine and debrisoquine oxidation: genetic polymorphisms in a Turkish population.**  
Basci N. E., Brosen K., Bozkurt A., Isimer A., Sayal A., Kayaalp S.  
British Journal of Clinical Pharmacology, vol.38, no.5, pp.463-465, 1994 (SCI-Expanded)
- LVI. **Correlation Between the Metabolic Ratios of Debrisoquine and Metoprolol in Turkish Subjects**  
Basci N. E., Bozkurt A., Isimer A., Kayaalp S.

- Pharmacology & Toxicology, vol.75, no.1, pp.62-64, 1994 (SCI-Expanded)
- LVII. DETERMINATION OF DEBRISOQUINE AND 4-HYDROXYDEBRISOQUINE IN URINE BY HIGH-PERFORMANCE LIQUID-CHROMATOGRAPHY WITH FLUORESCENCE DETECTION AFTER SOLID-PHASE EXTRACTION**  
BOZKURT A., BASCI N. E., ISIMER A., KAYAALP S.  
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.11, no.8, pp.745-749, 1993 (SCI-Expanded)
- LVIII. ACUTE EFFECT OF ERYTHROPOIETIN ON CATECHOLAMINE LEVELS IN UREMIA**  
AKPOLAT T., ARIK N., DEMIRKAN F., BASCI N. E., OZKAN Y., ISIMER A., YASAVUL U., TURGAN C., CAGLAR S.  
NEPHRON, vol.64, no.2, pp.329-330, 1993 (SCI-Expanded)
- LIX. EFFECT OF LIPOSOMAL ENCAPSULATION OF CHLORAMPHENICOL ON ITS TRANSFER ACROSS THE HUMAN PLACENTA IN A DUAL INVITRO PERFUSION SYSTEM**  
ONUR M., KIRBY C., ISIMER A., BEKSAC S., BASCI N. E., PAMIR R., COSKUN T., TUMER A.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.88, pp.313-317, 1992 (SCI-Expanded)
- LX. DIFFERENTIAL PULSE POLAROGRAPHIC-DETERMINATION OF SOME CHALCONE DERIVATIVES**  
ALTINOZ S., OZER D., BASCI N. E., KIR S., TEMIZER A., SAFAK C., SAHIN F.  
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.12, no.3, pp.253-255, 1990 (SCI-Expanded)
- LXI. SULFAMETHOXAZOLE ACETYLATION IN FAST AND SLOW ACETYLATORS**  
BOZKURT A., BASCI N. E., ISIMER A., TUNCER M., ERDAL R., KAYAALP S.  
INTERNATIONAL JOURNAL OF CLINICAL PHARMACOLOGY AND THERAPEUTICS, vol.28, no.4, pp.164-166, 1990 (SCI-Expanded)
- LXII. N-ACETYLATION PHENOTYPING WITH SULFADIMIDINE IN A TURKISH POPULATION**  
BOZKURT A., BASCI N. E., KALAN S., TUNCER M., KAYAALP S.  
EUROPEAN JOURNAL OF CLINICAL PHARMACOLOGY, vol.38, no.1, pp.53-56, 1990 (SCI-Expanded)
- LXIII. Comparison of colorimetric and high-performance liquid chromatographic determination of sulphamethoxazole and acetylsulphamethoxazole**  
Basci N. E., Bozkurt A., Kayaalp S., Isimer A.  
Journal of Chromatography B: Biomedical Sciences and Applications, vol.527, pp.174-181, 1990 (SCI-Expanded)

### Articles Published in Other Journals

- I. Spectrophotometry, potentiometry and HPLC in determination of acidity constant for cabergoline and tadalafil**  
Polat M. B., DOĞAN A., BAŞCI N. E.  
JOURNAL OF RESEARCH IN PHARMACY, vol.23, no.2, pp.177-186, 2019 (ESCI)
- II. Investigating the physicochemical properties of phenazopyridine hydrochloride using high-performance liquid chromatography and UV-visible spectrophotometry**  
ÇELEBİER M., KOÇAK E., DOĞAN A., Altinoz S., Basci N. E.  
JOURNAL OF RESEARCH IN PHARMACY, vol.22, no.4, pp.528-535, 2018 (ESCI)
- III. Determination of diclofenac in subretinal and aqueous humor fluids by HPLC with electrochemical detector**  
Demircan Ş., Sayin F., Başı N. E., KIR S., Kocaogđlan H.  
Fabad Journal of Pharmaceutical Sciences, vol.30, no.1, pp.33-39, 2005 (Scopus)
- IV. Penetration of topical ciprofloxacin by presoaked medicated soft contact lenses**  
Kalayci D., Basci N. E., Kortunay S., Hasiripi H., Bozkurt A.  
CLAO Journal, vol.25, no.3, pp.182-184, 1999 (Scopus)

### Refereed Congress / Symposium Publications in Proceedings

- I. Determination of paracetamol and 4 aminophenol by reversed phased ion pairing high performance**

## liquid chromatography

UÇAKTÜRK E., YEŞİLADA A., BAŞCI N. E., ULUBAYRAM K.

8th International Symposium on Pharmaceutical Sciences, 13 June - 16 September 2006

## II. Penetration of topically applied betaxolol Hcl 0.25% ionic suspension and betaxolol Hcl 0.50% solution into the aqueous humor

Yalvac I., Basci N. E.

Meeting of the Association-for-Research-in-Vision-and-Ophthalmology (ARVO 2005), Florida, United States Of America, 1 - 05 May 2005, vol.46

## Supported Projects

Eylem C. C., Banerjee S., Başci Akduman N. E., Derkuş B., TUBITAK Project, Crispr-Cas9 Gen Düzenleme Teknolojisi Ile Egfr Geninin Susturularak Akciğer Adenokarsinomu Terapisinde Kullanılabilirliğinin Moleküler Boyutta Çoklu-Omik Analizler Ile Araştırılması, 2024 - 2026

BAŞCI AKDUMAN N. E., DOĞAN A., Eylem C. C., Halıcı E., Project Supported by Higher Education Institutions, Yeşil HPLCde Kemometrik Optimizasyon ve H2 repesör antagonistlerinin Farmasötik Analizi, 2020 - 2022

BAŞCI AKDUMAN N. E., DOĞAN A., Eylem C. C., Project Supported by Higher Education Institutions, Çevre dostu etanol veya etil laktat içeren hareketli faz sistemlerinin HPLC ile ilaç analizlerine etkisinin araştırılması ve valide edilmiş yöntem geliştirilmesi, 2018 - 2020

DOĞAN A., BAŞCI N. E., Project Supported by Higher Education Institutions, Vorikonazol ve Tadalafii HPLC Yöntemiyle Yeşil Biyoanalitik Analizi, 2017 - 2018

BAŞCI AKDUMAN N. E., DOĞAN A., Koç M. B., Project Supported by Higher Education Institutions, Tadalafil ilaç etken maddesine ait asidik dissosiyasyon sabitinin spektrofotometrik potansiyometrik ve kromatografik yöntemler ile tayini, 2016 - 2017

BAŞCI AKDUMAN N. E., DOĞAN A., Project Supported by Higher Education Institutions, Vorikonazol ve Tadalafil'in Plazmadan Yeşil Kromatografik Analizi, 2015 - 2016

BAŞCI AKDUMAN N. E., Project Supported by Higher Education Institutions, Yüksek performanslı sıvı kromatografisi (HPLC) ile ilaç analizlerinde yeşilleştirme, 2014 - 2015

## Metrics

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## Non Academic Experience

Hacettepe Üniversitesi, Tıp Fakültesi, Farmakoloji Abd

Hacettepe Üniversitesi, Tıp Fakültesi, Farmakoloji Abd