

## Prof. ERDEN BANOĞLU

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### Biography

- I. Lisans; Gazi üniversitesi Eczacılık Fakültesi, 1989
- II. Yüksek Lisans, Gazi üniversitesi Eczacılık Fakültesi Farmasötik Kimya Anabilim Dalı, 1992
- III. British Council Internship, Aberdeen University, Scotland, UK, 1992
- IV. Doktora, University of Iowa, College of Pharmacy, Division of Medicinal and Natural Products Chemistry, USA, 1997
- V. JICA Fellowship, Kumamoto University, College of Pharmacy, Japan, 1999
- VI. Visiting Scientist, University of Rhode Island, College of Pharmacy, Department of Biomedical Sciences, USA, 2000
- VII. Yard. Doç. Dr., Gazi üniversitesi Eczacılık Fakültesi Farmasötik Kimya Anabilim Dalı, 2004
- VIII. Doç. Dr., Gazi üniversitesi Eczacılık Fakültesi Farmasötik Kimya Anabilim Dalı, 2004
- IX. Prof. Dr., Gazi üniversitesi Eczacılık Fakültesi Farmasötik Kimya Anabilim Dalı, 2010
- X. Türkiye Bilimler Akademisi Asli Üyesi, 2012

### Education Information

Doctorate, University of Iowa, Graduate College, Division of Medicinal and Natural Products Chemistry, United States Of America 1993 - 1997

Post Graduate, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasotik Kimya (YI) (Tezli), Turkey 1990 - 1992

Under Graduate, Gazi University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1985 - 1989

### Dissertations

Doctorate, Fundamental relationships between substrate structure and catalytic efficiency of hydroxysteroid sulfotransferase STa in the sulfation of bezylic alcohols, University of Iowa, Medicinal Chemistry, 1997

Post Graduate, Bazı 2-hidrazinobenzimidazol türevleri üzerinde çalışmalar, Gazi University, Sağlık Bilimleri Enstitüsü, Farmasotik Kimya (YI) (Tezli), 1992

### Research Areas

Pharmacology and Therapeutics, Professional Sciences, Pharmaceutical Chemistry

## Academic Titles / Tasks

Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2010 - Continues  
Associate Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2004 - 2010  
Assistant Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1999 - 2004  
Research Assistant, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1990 - 1999

## Professional Experience

Head of Department, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2016 - Continues  
Head of Department, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2016 - 2019  
Erasmus Coordinator, Gazi University, Eczacılık Fakültesi, 2007 - 2015  
Vice Dean, Gazi University, Eczacılık Fakültesi, 2006 - 2009

## Advising Theses

BANOĞLU E., Yeni izoksazol türevlerinin sentezi, karaciğer ve meme kanseri hücre hatlarına karşı sitotoksik etkilerinin incelenmesi, Doctorate, K.İBİŞ(Student), 2020  
BANOĞLU E., Yeni platelet inhibitörü tuzların ilaç etkin maddesi olarak geliştirilmesi ve aktivitelerinin araştırılması, Doctorate, H.USLU(Student), 2018  
BANOĞLU E., Discovery of novel 5-lipoxygenase activating protein (FLAP) inhibitors by virtual screening and pharmacological evaluation, Doctorate, A.OLĞAÇ(Student), 2017  
BANOĞLU E., Studies On The Development Of 1,2,5-trisubstituted Benzimidazole Derivatives As Antileukotriene Agents, Doctorate, Z.TUĞÇE(Student), 2016  
BANOĞLU E., Studies on the development of 5-lipoxygenase activating protein (FLAP)inhibitors, Post Graduate, S.LEVENT(Student), 2014  
BANOĞLU E., Studies on the synthesis and anticancer activity of diarylpyrazole derivatives, Doctorate, Ş.CANKARA(Student), 2013  
BANOĞLU E., 5-lipoksijenaz inhibitörlerinin sentezi ve biyolojik aktiviteleri üzerinde çalışmalar, Post Graduate, E.ÇELİKOĞLU(Student), 2012  
BANOĞLU E., 5-lipoksijenaz inhibitörlerinin sentezi ve biyolojik aktiviteleri üzerinde çalışmalar, E.Çelikoğlu(Student), 2012  
BANOĞLU E., Synthesis of novel benzimidazole derivatives and the studies on their leukotriene biosynthesis inhibitory activities, Post Graduate, G.YAĞMUR(Student), 2011  
BANOĞLU E., Studies on the synthesis and the antiplatelet activity of diarylpyrazole derivatives, Doctorate, M.ÇİFTÇİ(Student), 2011  
BANOĞLU E., Synthesis and in vitro inhibitory activities of dual COX/5-LOX inhibitor 1,5-diarylpyrazole-3-propanoic acid derivatives, Doctorate, B.ÇALIŞKAN(Student), 2008  
BANOĞLU E., [6-(3,5-dimetilpirazol-1-il)-3(2H)-piridazinon-2-il] asetamid türevlerinin sentezi ve analjezik-antienflamatuar aktivitelerinin incelenmesi, Post Graduate, Ç.AKOĞLU(Student), 2004

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

- I. **A Highly Potent TACC3 Inhibitor as a Novel Anticancer Drug Candidate**  
Akbulut O., Lengerli D., Saatci O., Duman E., ŞEKER U. Ö. Ş. , Isik A., AKYOL A., ÇALIŞKAN B., BANOĞLU E., ŞAHİN Ö. MOLECULAR CANCER THERAPEUTICS, vol.19, no.6, pp.1243-1254, 2020 (Journal Indexed in SCI)
- II. **Encapsulation of the dual FLAP/mPEGS-1 inhibitor BRP-187 into acetalated dextran and PLGA nanoparticles improves its cellular bioactivity**

Shkodra-Pula B., Kretzer C., Jordan P. M. , Klemm P., Koeberle A., Pretzel D., BANOĞLU E., Lorkowski S., Wallert M., Hoepfner S., et al.

JOURNAL OF NANOBIO TECHNOLOGY, vol.18, no.1, 2020 (Journal Indexed in SCI)

- III. **Discovery of Novel 5-Lipoxygenase-Activating Protein (FLAP) Inhibitors by Exploiting a Multistep Virtual Screening Protocol**  
OLĞAÇ A., Carotti A., Kretzer C., Zergiebel S., Seeling A., Garscha U., Werz O., Macchiarulo A., BANOĞLU E.  
JOURNAL OF CHEMICAL INFORMATION AND MODELING, vol.60, no.3, pp.1737-1748, 2020 (Journal Indexed in SCI)
- IV. **Evaluation of Cytotoxic Activity of New Benzimidazole-Piperazine Hybrids Against Human MCF-7 and A549 Cancer Cells**  
ÖZDEMİR A., Thranli S., ÇALIŞKAN B., Arka M., BANOĞLU E.  
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.53, no.11, pp.1036-1046, 2020 (Journal Indexed in SCI)
- V. **Benzimidazole derivatives as potent and isoform selective tumor-associated carbonic anhydrase IX/XII inhibitors**  
Uslu A. G. , Maz T. G. , Nocentini A., BANOĞLU E., Supuran C. T. , ÇALIŞKAN B.  
BIOORGANIC CHEMISTRY, vol.95, 2020 (Journal Indexed in SCI)
- VI. **Protective effect of piceatannol and bioactive stilbene derivatives against hypoxia-induced toxicity in H9c2 cardiomyocytes and structural elucidation as 5-LOX inhibitors**  
Boccellino M., Donniacuo M., Bruno F., Rinaldi B., Quagliuolo L., Ambruosi M., Pace S., De Rosa M., OLĞAÇ A., BANOĞLU E., et al.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.180, pp.637-647, 2019 (Journal Indexed in SCI)
- VII. **A Multi-step Virtual Screening Protocol for the Identification of Novel Non-acidic Microsomal Prostaglandin E-2 Synthase-1 (mPGES-1) Inhibitors**  
Shekfeh S., ÇALIŞKAN B., Fischer K., Yalcin T., Garscha U., Werz O., BANOĞLU E.  
CHEMMEDCHEM, vol.14, no.2, pp.273-281, 2019 (Journal Indexed in SCI)
- VIII. **Novel Piperazine Amides of Cinnamic Acid Derivatives as Tyrosinase Inhibitors**  
GÜR MAZ Z. T. , ŞENOL DENİZ F. S. , Shekfeh S., ERDOĞAN ORHAN İ., BANOĞLU E., ÇALIŞKAN B.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.16, no.1, pp.36-44, 2019 (Journal Indexed in SCI)
- IX. **Optimisation by design of experiment of benzimidazol-2-one synthesis under flow conditions**  
Mostarda S., Maz T. G. , Piccinno A., Cerra B., BANOĞLU E.  
Molecules, vol.24, no.13, 2019 (Journal Indexed in SCI Expanded)
- X. **Synthesis and cellular bioactivities of novel isoxazole derivatives incorporating an arylpiperazine moiety as anticancer agents**  
ÇALIŞKAN B., NALBAT E., Ibis K., Guzelcan E. A. , ATALAY R., BANOĞLU E.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.33, no.1, pp.1352-1361, 2018 (Journal Indexed in SCI)
- XI. **Structural insight into the optimization of ethyl 5-hydroxybenzo[g] indol-3-carboxylates and their bioisosteric analogues as 5-LO/mPGES-1 dual inhibitors able to suppress inflammation**  
Bruno F., Errico S., Pace S., Nawrozki M. B. , Mkrtchyan A. S. , Guida F., Maisto R., OLĞAÇ A., D'Amico M., Maione S., et al.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.155, pp.946-960, 2018 (Journal Indexed in SCI)
- XII. **Drug discovery approaches targeting 5-lipoxygenase-activating protein (FLAP) for inhibition of cellular leukotriene biosynthesis**  
GÜR MAZ Z. T. , ÇALIŞKAN B., BANOĞLU E.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.153, pp.34-48, 2018 (Journal Indexed in SCI)
- XIII. **Identification of multi-target inhibitors of leukotriene and prostaglandin E-2 biosynthesis by structural tuning of the FLAP inhibitor BRP-7**  
GÜR MAZ Z. T. , ÇALIŞKAN B., Garscha U., OLĞAÇ A., Schubert U. S. , Gerstmeier J., Werz O., BANOĞLU E.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.150, pp.876-899, 2018 (Journal Indexed in SCI)
- XIV. **Pteryxin - A promising butyrylcholinesterase-inhibiting coumarin derivative from Mutellina purpurea**

ERDOĞAN ORHAN İ., ŞENOL DENİZ F. S. , Shekfeh S., Skalicka-Wozniak K., BANOĞLU E.

FOOD AND CHEMICAL TOXICOLOGY, vol.109, pp.970-974, 2017 (Journal Indexed in SCI)

- XV. **The potential role of in silico approaches to identify novel bioactive molecules from natural resources**

OLĞAÇ A., ERDOĞAN ORHAN İ., BANOĞLU E.

FUTURE MEDICINAL CHEMISTRY, vol.9, no.14, pp.1663-1684, 2017 (Journal Indexed in SCI)

- XVI. **BRP-187: A potent inhibitor of leukotriene biosynthesis that acts through impeding the dynamic 5-lipoxygenase/5-lipoxygenase-activating protein (FLAP) complex assembly**

Garscha U., Voelker S., Pace S., Gerstmeier J., Emini B., Liening S., Rossi A., Weinigel C., Rummler S., Schubert U. S. , et al.

BIOCHEMICAL PHARMACOLOGY, vol.119, pp.17-26, 2016 (Journal Indexed in SCI)

- XVII. **Synthesis and biological evaluation of C(5)-substituted derivatives of leukotriene biosynthesis inhibitor BRP-7**

Levent S., Gerstmeier J., OLĞAÇ A., Nikels F., Garscha U., Carotti A., Macchiarulo A., Werz O., BANOĞLU E., ÇALIŞKAN B.

EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.122, pp.510-519, 2016 (Journal Indexed in SCI)

- XVIII. **4,5-Diarylisoxazol-3-carboxylic acids: A new class of leukotriene biosynthesis inhibitors potentially targeting 5-lipoxygenase-activating protein (FLAP)**

BANOĞLU E., Celikoglu E., Voelker S., OLĞAÇ A., Gerstmeier J., Garscha U., ÇALIŞKAN B., Schubert U. S. , Carotti A., Macchiarulo A., et al.

EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.113, pp.1-10, 2016 (Journal Indexed in SCI)

- XIX. **Crystal structure and DFT calculations of 5-(4-Chlorophenyl)-1-(6-methoxypyridazin-3-yl)-1 H-pyrazole-3-carboxylic acid**

ALAŞALVAR C., SOYLU M. S. , ÜNVER H., OCAK İSKELELİ N., YILDIZ M., Ciftci M., BANOĞLU E.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.132, pp.555-562, 2014 (Journal Indexed in SCI)

- XX. **Synthesis and preliminary mechanistic evaluation of 5-(p-tolyl)-1-(quinolin-2-yl)pyrazole-3-carboxylic acid amides with potent antiproliferative activity on human cancer cell lines**

Pirol S. C. , ÇALIŞKAN B., Durmaz I., ATALAY R., BANOĞLU E.

EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.87, pp.140-149, 2014 (Journal Indexed in SCI)

- XXI. **Synthesis, biological evaluation and molecular docking studies of trans-indole-3-acrylamide derivatives, a new class of tubulin polymerization inhibitors**

BAYTAŞ S., Inceler N., Yilmaz A., OLĞAÇ A., Menevse S., BANOĞLU E., Hamel E., Bortolozzi R., Viola G.

BIOORGANIC & MEDICINAL CHEMISTRY, vol.22, no.12, pp.3096-3104, 2014 (Journal Indexed in SCI)

- XXII. **The novel benzimidazole derivative BRP-7 inhibits leukotriene biosynthesis in vitro and in vivo by targeting 5-lipoxygenase-activating protein (FLAP)**

Pergola C., Gerstmeier J., Moench B., Caliskan B., Luderer S., Weinigel C., Barz D., Maczewsky J., Pace S., Rossi A., et al.

British Journal of Pharmacology, vol.171, no.12, pp.3051-3064, 2014 (Journal Indexed in SCI Expanded)

- XXIII. **Chromatographic separation and biological evaluation of benzimidazole derivative enantiomers as inhibitors of leukotriene biosynthesis**

Sardella R., Levent S., Ianni F., ÇALIŞKAN B., Gerstmeier J., Pergola C., Werz O., BANOĞLU E., Natalini B.

JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.89, pp.88-92, 2014 (Journal Indexed in SCI)

- XXIV. **Pyrazole derivatives as inhibitors of arachidonic acid-induced platelet aggregation**

Levent S., ÇALIŞKAN B., Ciftci M., ÖZKAN Y., Yenicesu I., ÜNVER H., BANOĞLU E.

EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.64, pp.42-53, 2013 (Journal Indexed in SCI)

- XXV. **Synthesis and evaluation of analgesic, anti-inflammatory, and anticancer activities of new pyrazole-3(5)-carboxylic acid derivatives**

ÇALIŞKAN B., Yilmaz A., Evren I., Menevse S., Uludag O., BANOĞLU E.

MEDICINAL CHEMISTRY RESEARCH, vol.22, no.2, pp.782-793, 2013 (Journal Indexed in SCI)

- XXVI. **Overview of recent drug discovery approaches for new generation leukotriene A(4) hydrolase**

**inhibitors**

ÇALIŞKAN B., BANOĞLU E.

EXPERT OPINION ON DRUG DISCOVERY, vol.8, no.1, pp.49-63, 2013 (Journal Indexed in SCI)

- XXVII. **Identification of novel benzimidazole derivatives as inhibitors of leukotriene biosynthesis by virtual screening targeting 5-lipoxygenase-activating protein (FLAP)**  
BANOĞLU E., ÇALIŞKAN B., Luderer S., EREN G., Ozkan Y., Altenhofen W., Weinigel C., Barz D., Gerstmeier J., Pergola C., et al.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.20, no.12, pp.3728-3741, 2012 (Journal Indexed in SCI)
- XXVIII. **Serum interleukin-16 levels in patients with nasal polyposis**  
Keseroglu K., BANOĞLU E., Kizil Y., AYDİL U., IŞIK GÖNÜL İ., Yilmaz M., Ceylan A.  
Laryngoscope, vol.122, no.5, pp.961-964, 2012 (Journal Indexed in SCI Expanded)
- XXIX. **From Molecular Docking to 3D-Quantitative Structure-Activity Relationships (3D-QSAR): Insights into the Binding Mode of 5-Lipoxygenase Inhibitors**  
EREN G., Macchiarulo A., BANOĞLU E.  
MOLECULAR INFORMATICS, vol.31, no.2, pp.123-134, 2012 (Journal Indexed in SCI)
- XXX. **Pyrazol-3-propanoic acid derivatives as novel inhibitors of leukotriene biosynthesis in human neutrophils**  
ÇALIŞKAN B., Luderer S., Ozkan Y., Werz O., BANOĞLU E.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.46, no.10, pp.5021-5033, 2011 (Journal Indexed in SCI)
- XXXI. **Synthesis, antioxidant and antimicrobial evaluation of simple aromatic esters of ferulic acid**  
Ergun B., ÇOBAN T., Onurdag F. K., BANOĞLU E.  
Archives of Pharmacal Research, vol.34, no.8, pp.1251-1261, 2011 (Journal Indexed in SCI Expanded)
- XXXII. **Stable ester and amide conjugates of some NSAIDs as analgesic and antiinflammatory compounds with improved biological activity**  
ULUDAĞ M. O., Ergun B., Alkan D. A., Ercan N., Ozkan G. Y., BANOĞLU E.  
Turkish Journal of Chemistry, vol.35, no.3, pp.427-439, 2011 (Journal Indexed in SCI Expanded)
- XXXIII. **Synthesis, biological evaluation, and docking studies of novel heterocyclic diaryl compounds as selective COX-2 inhibitors**  
EREN G., Unlu S., Nunez M., Labeaga L., Ledo F., Entrena A., BANOĞLU E., Costantino G., Sahin M. F.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.18, no.17, pp.6367-6376, 2010 (Journal Indexed in SCI)
- XXXIV. **Amide derivatives of [6-acyl-2-benzothiazolinon-3-yl] acetic acids as potential analgesic and anti-inflammatory compounds**  
ÖNKOL T., BANOĞLU E., DÜNDAR Y., Kupeli E., Sahin M. F.  
MEDICINAL CHEMISTRY RESEARCH, vol.19, no.1, pp.11-24, 2010 (Journal Indexed in SCI)
- XXXV. **Carbon Nanotubes to Deliver Drug Molecules**  
İLBASMIŞ TAMER S., Yilmaz S., BANOĞLU E., Degim I. T.  
JOURNAL OF BIOMEDICAL NANOTECHNOLOGY, vol.6, no.1, pp.20-27, 2010 (Journal Indexed in SCI)
- XXXVI. **Synthesis of 1,5-diarylpyrazol-3-propanoic acids towards inhibition of cyclooxygenase-1/2 activity and 5-lipoxygenase-mediated LTB<sub>4</sub> formation**  
Ergun B., Teresa Nunez M., Labeaga L., Ledo F., Darlington J., Bain G., Cakir B., BANOĞLU E.  
Arzneimittel-Forschung/Drug Research, vol.60, no.8, pp.497-505, 2010 (Journal Indexed in SCI Expanded)
- XXXVII. **Synthesis and biological evaluation of 4,5-diphenyloxazolone derivatives on route towards selective COX-2 inhibitors**  
DÜNDAR Y., Unlu S., BANOĞLU E., Entrena A., Costantino G., Nunez M., Ledo F., Sahin M. F., Noyanalpan N.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.44, no.5, pp.1830-1837, 2009 (Journal Indexed in SCI)
- XXXVIII. **Screening and evaluation of antioxidant activity of some pyridazine derivatives**  
Caliskan-Erguen B., Suekueroglu M. K., ÇOBAN T., BANOĞLU E., SÜZEN S.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.23, no.2, pp.225-229, 2008 (Journal Indexed in SCI)
- XXXIX. **Synthesis, characterization and preliminary screening of regioisomeric 1-(3-pyridazinyl)-3-arylpyrazole and 1-(3-pyridazinyl)-5-arylpyrazole derivatives towards cyclooxygenase inhibition**

Unlu S., BANOĞLU E., Ito S., Niiya T., EREN G., Okcelik B., Sahin M. F.

JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.22, no.3, pp.351-361, 2007 (Journal Indexed in SCI)

- XL. **Synthesis of the amide derivatives of 3-[1-(3-pyridazinyl)-5-phenyl-1H-pyrazole-3-yl]propanoic acids as potential analgesic compounds**  
BANOĞLU E., Sukuroglu M. K., Ergun B., BAYTAŞ S., Aypar E., Aark M.  
TURKISH JOURNAL OF CHEMISTRY, vol.31, no.6, pp.677-687, 2007 (Journal Indexed in SCI)
- XLII. **Screening and evaluation of rat kidney aldose reductase inhibitory activity of some pyridazine derivatives**  
Suekueroglu M. K., Calikan-Erguen B., Das-Evcimen N., Sarikaya M., BANOĞLU E., Suzen S.  
MEDICINAL CHEMISTRY RESEARCH, vol.15, pp.443-451, 2007 (Journal Indexed in SCI)
- XLIII. **Synthesis and analgesic activity of some 4,6-disubstituted-3(2H)-pyridazinone derivatives**  
Sukuroglu M. K., Kupeli E., BANOĞLU E., Unlu S., Yesilada E., Sahin M. F.  
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- XLIV. **Synthesis, analgesic, and anti-inflammatory activities of [6-(3,5-dimethyl-4-chloropyrazole-1-yl)-3(2H)-pyridazinon-2-yl]acetamides**  
Sukuroglu M. K., Ergun B., Unlu S., Sahin M., Kupeli E., Yesilada E., BANOĞLU E.  
ARCHIVES OF PHARMACAL RESEARCH, vol.28, no.5, pp.509-517, 2005 (Journal Indexed in SCI)
- XLV. **Synthesis of amide derivatives of [6-(3,5-dimethylpyrazol-1-yl)-3(2H)-pyridazinone-2-yl]acetic acid and their analgesic and anti-inflammatory properties**  
BANOĞLU E., Akoglu C., Unlu S., Ergun B., Kupeli E., Yesilada E., Sahin M.  
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- XLVI. **Amide derivatives of [6-(5-methyl-3-phenylpyrazole-1-yl)-3(2H)-pyridazinone-2-yl]acetic acids as potential analgesic and anti-inflammatory compounds**  
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- XLVII. **Investigations of new pyridazinone derivatives for the synthesis of potent analgesic and anti-inflammatory compounds with cyclooxygenase inhibitory activity**  
Okcelik B., Unlu S., BANOĞLU E., Kupeli E., Yesilada E., Sahin M.  
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- XLVIII. **Amide derivatives of [5-chloro-6-(2-chloro/fluorobenzoyl)-2-benzoxazolinone-3-yl]acetic acids as potential analgesic and anti-inflammatory compounds**  
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ARCHIV DER PHARMAZIE, vol.336, pp.251-257, 2003 (Journal Indexed in SCI)
- XLIX. **Synthesis of new 4-(5-chloro-2-oxo-3H-benzoxazol-3-yl)butanamide derivatives and their analgesic and anti-inflammatory properties**  
Gulcan H., Unlu S., BANOĞLU E., Sahin M., Kupeli E., Yesilada E.  
TURKISH JOURNAL OF CHEMISTRY, vol.27, no.4, pp.467-476, 2003 (Journal Indexed in SCI)
- L. **Sulfation of indoxyl by human and rat aryl (phenol) sulfotransferases to form indoxyl sulfate**  
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EUROPEAN JOURNAL OF DRUG METABOLISM AND PHARMACOKINETICS, vol.27, no.2, pp.135-140, 2002 (Journal Indexed in SCI)
- LI. **Hepatic microsomal metabolism of indole to indoxyl, a precursor of indoxyl sulfate**  
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EUROPEAN JOURNAL OF DRUG METABOLISM AND PHARMACOKINETICS, vol.26, no.4, pp.235-240, 2001 (Journal Indexed in SCI)
- LII. **Simultaneous determination of paracetamol and methocarbamol in tablets by ratio spectra derivative spectrophotometry and LC**  
Erk N., Ozkan Y., BANOĞLU E., Ozkan S., Senturk Z.  
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- LII. **Current status of the cytosolic sulfotransferases in the activation of promutagens and procarcinogens metabolic**  
 BANOĞLU E.  
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- LIII. **Dissolution tests of benazepril-HCl and hydrochlorothiazide in commercial tablets: comparison of spectroscopic and high performance liquid chromatography methods**  
 BANOĞLU E., Ozkan Y., Atay O.  
 FARMACO, vol.55, pp.477-483, 2000 (Journal Indexed in SCI)
- LIV. **Noradrenaline and nitrite-nitrate concentrations in the contralateral testes during ipsilateral spermatic cord torsion is the presence or absence of a testis and epididymis**  
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