

## Asst. Prof. Burak Kuzu

### Personal Information

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### Education Information

Doctorate, Mersin University, Faculty Of Pharmacy, Department Of Professional Pharmaceutical Sciences, Turkey 2017 - 2021

Postgraduate, Van Yüzüncü Yil University, Sağlık Bilimleri Enstitüsü, Eczacılık Meslek Bilimleri (YI) (Tezli), Turkey 2014 - 2016

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Vocational Course, NMR YAZ OKULU, Van Yüzüncü Yil Üniversitesi, 2018

Health&Medicine, Bilgisayar Destekli İlaç Tasarım Kursu, Biruni Üniversitesi Eczacılık Fakültesi, 2015

### Dissertations

Doctorate, KARBOKSAMİT SÜBSTİTÜE BENZOKSAZOL ANA YAPISI TAŞIYAN YENİ BİLEŞİKLERİN TASARIMI, SENTEZİ, BİYOLOJİK AKTİVİTELERİNİN ARAŞTIRILMASI VE YAPI-ETKİ İLİŞKİLERİNİN İNCELENMESİ, Mersin University, Faculty Of Pharmacy, Department Of Professional Pharmaceutical Sciences, 2021

Postgraduate, pH DUYARLI VE SOLVATOKROMİK ÖZELLİĞE SAHİP SENSÖRLERİN GELİŞTİRİLMESİ VE HÜCRE GÖRÜNTÜLEMEDEKİ UYGULAMALARI , Van Yüzüncü Yil University, Eczacılık Meslek Bilimleri, Farmasötik Kimya, 2016

### Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmaceutical Chemistry

### Academic Titles / Tasks

Assistant Professor, Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2022 - Continues

Research Assistant PhD, Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2021 - 2022

Research Assistant, Van Yüzüncü Yil University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2017 - 2021

### Jury Memberships

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

- I. **Design, synthesis and in vitro antiproliferation activity of some 2-aryl and -heteroaryl benzoxazole derivatives**  
Kuzu B., ÖZSOY C., TÜRKMENOĞLU B., BURMAOĞLU S., ALGÜL Ö.  
FUTURE MEDICINAL CHEMISTRY, vol.14, pp.1027-1048, 2022 (Journal Indexed in SCI)
- II. **2-Phenyl substituted Benzimidazole derivatives: Design, synthesis, and evaluation of their antiproliferative and antimicrobial activities**  
Ersan R. H. , Kuzu B., Yetkin D., ALAGÖZ M. A. , Dogen A., BURMAOĞLU S., Algul O.  
MEDICINAL CHEMISTRY RESEARCH, vol.31, pp.1192-1208, 2022 (Journal Indexed in SCI)
- III. **Synthesis, Biological Evaluation and In Silico Studies of Some 2-Substituted Benzoxazole Derivatives as Potential Anticancer Agents to Breast Cancer**  
Kuzu B., Hepokur C., ALAGÖZ M. A. , BURMAOĞLU S., Algul O.  
CHEMISTRYSELECT, vol.7, no.1, 2022 (Journal Indexed in SCI)
- IV. **A novel class for carbonic anhydrases inhibitors and evaluation of their non-zinc binding**  
Kuzu B., Tan Uygun M., Gülçin İ., Mengeş N.  
ARCHIV DER PHARMAZIE, vol.354, no.10, 2021 (Journal Indexed in SCI)
- V. **Excited State Intramolecular Proton Transfer (ESIPT)-Based Sensor for Ion Detection**  
Kuzu B., Ekmekci Z., Tan M., Mengeş N.  
JOURNAL OF FLUORESCENCE, vol.31, no.3, pp.861-872, 2021 (Journal Indexed in SCI)
- VI. **Synthesis of Indolizines by Dimerization of N-Propargylated Pyrroles via Allene Intermediates**  
Kuzu B., Gül S., Tan M., Mengeş N., Balci M.  
ChemistrySelect, vol.6, no.9, pp.2366-2372, 2021 (Journal Indexed in SCI)
- VII. **Synthesis of Benzoxazole-2-carboxylate Derivatives: Electronic- and Position-effect of Functional Groups and Computational Modeling of the Selectivity for Oxazole Ring**  
Kuzu B., Sarı Ö., Erdem S., Algül Ö., Mengeş N.  
CHEMISTRYSELECT, vol.6, pp.2529-2538, 2021 (Journal Indexed in SCI Expanded)
- VIII. **New-Generation Benzimidazole-Based Plasmid Delivery Reagents with High Transfection Efficiencies on the Mammalian Cells**  
AYAZ F., Ersan R. H. , Kuzu B., ALGÜL Ö.  
IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-ANIMAL, vol.56, no.1, pp.34-41, 2020 (Journal Indexed in SCI)
- IX. **A novel structure for ESIPT emission: Experimental and theoretical investigations**  
Kuzu B., Tan M., Ekmekci Z., Mengeş N.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.381, 2019 (Journal Indexed in SCI)
- X. **Synthesis of New Alicyclic Oxalamide Derivatives and Their Differential Immunomodulatory Activities on the Mammalian Cells**  
Kuzu B., AYAZ F., ALGÜL Ö.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.56, no.7, pp.1946-1952, 2019 (Journal Indexed in SCI)
- XI. **Mono- or di-substituted imidazole derivatives for inhibition of acetylcholine and butyrylcholine esterases.**  
Kuzu B., Tan M., TASLIMI P., GÜLÇİN İ., Taşpınar M., Mengeş N.  
Bioorganic chemistry, vol.86, pp.187-196, 2019 (Journal Indexed in SCI)
- XII. **Copper-Catalyzed Synthesis of Fused Imidazopyrazine N-Oxide Skeletons**  
Taşdemir V., Kuzu B., Tan M., Genç H., Mengeş N.  
SYNLETT, vol.30, no.3, pp.307-310, 2019 (Journal Indexed in SCI)
- XIII. **Synthesis of novel imidazopyridines and their biological evaluation as potent anticancer agents: A promising candidate for glioblastoma**  
Guclu D., Kuzu B., Tozlu İ., Taşpınar F., CANPINAR H., Taşpınar M., Mengeş N.

- BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.28, no.15, pp.2647-2651, 2018 (Journal Indexed in SCI)
- XIV. **An easy synthetic protocol for imidazo-1,4-oxazines and evaluation of their toxicities**  
Kuzu B., Genç H., Taspınar M., Tan M., Mengeş N.  
HETEROATOM CHEMISTRY, vol.29, no.1, 2018 (Journal Indexed in SCI)
- XV. **A novel fluorescent sensor based on imidazole derivative for Fe<sup>3+</sup> ions**  
Kuzu B., Tan M., Ekmekci Z., Mengeş N.  
JOURNAL OF LUMINESCENCE, vol.192, pp.1096-1103, 2017 (Journal Indexed in SCI)
- XVI. **Indole-containing new types of dyes and their UV-vis and NMR spectra and electronic structures: Experimental and theoretical study**  
Kuzu B., Mengeş N.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.162, pp.61-68, 2016 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Possible Cardioprotective Mechanism of Action of Dexrazoxane, and Probable Human Topoisomerase II $\beta$  Inhibitors: An In Silico Analysis**  
Karakuş F., Kuzu B.  
ANKARA UNIVERSİTESİ ECZACILIK FAKULTESİ DERGİSİ, vol.46, no.2, pp.474-486, 2022 (National Refreed University Journal)
- II. **Alicyclic diamide derivatives as potential anticancer agents**  
Kuzu B., Hepokur C.  
Bioorganic & Medicinal Chemistry Reports, vol.3, no.1, pp.15-21, 2020 (Refereed Journals of Other Institutions)
- III. **Analyzing of some druggable properties of hydrazono-pyridazinones**  
Kuzu B., Mengeş N.  
Bioorganic & Medicinal Chemistry Reports, vol.1, no.1, pp.29-36, 2018 (Refereed Journals of Other Institutions)

## Books & Book Chapters

- I. **Antibakteriyel Ajanlar**  
Döğen A., Kuzu B., Şimşek T.  
in: Medisinal Kimya, Prof. Dr. Öztekin ALGÜL, Editor, Nobel Tıp Kitapevi, Ankara, pp.425-489, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **Oxime Ester-Based Di-Substituted Imidazole Derivatives for Inhibition of Acetylcholinesterase: Discovery and Structure-Activity Relationships**  
Gül S., Kuzu B., Mengeş N.  
2. Computer-Aided Drug Design Symposium and Workshop, İstanbul, Turkey, 11 - 12 May 2022, pp.37-38
- II. **Synthesis of Imidazopyridines Containing Amide Functionality and Investigation of Their Antiproliferative Activities in the Glioblastoma Cell Line**  
Koç Ö., Gül S., Kuzu B., Mengeş N.  
International 10. Drug Chemistry Conference, Antalya, Turkey, 10 - 13 March 2022, pp.190
- III. **Novel Imidazopyridine Derivatives Having Free Amine Unit and Investigation of Their Antiproliferative Effects on Glioblastoma: In vitro and In silico Study**  
Çobanoğlu Ş., Kuzu B., Mengeş N.  
International 10. Drug Chemistry Conference, Antalya, Turkey, 10 - 13 March 2022, pp.139
- IV. **The Synthesis of ESIPT-Based Fluorescent Dyes with Large Stokes Shifts and Their Applications in**

## Cell Imaging

Gül S., Kuzu B., Genç H., Tan Uygun M., Mengeş N.

International 10. Drug Chemistry Conference, Antalya, Turkey, 10 - 13 March 2022, pp.44

- V. **Unknown and One-Pot Strategy for Synthesis of Novel Pyrrolizinone Structures**  
I S Amudi K., Kuzu B., Mengeş N.  
International 10. Drug Chemistry Conference, Antalya, Turkey, 10 - 13 March 2022, pp.46
- VI. **Synthesis of New Marine Indole Analogues and Their Antimicrobial Activities**  
Deniz E., Kuzu B., Mengeş N.  
International 10. Drug Chemistry Conference, Antalya, Turkey, 10 - 13 March 2022, pp.141
- VII. **Investigation of Various Molecular Modifications of Perylene and Their Fluorescence Sensor Applications**  
Kuzu E., Kuzu B., Genç H., Mengeş N.  
International 10. Drug Chemistry Conference, Antalya, Turkey, 10 - 13 March 2022, pp.112
- VIII. **A New Carbazole Substituted Thiosemicarbazon Cu(II) Complexes: Spectroscopic, Molecular Docking and Cytotoxic Studies**  
Kaya S., Pehlivanoğlu S., Fındık M., Kuzu B., Akgemci E. G. , Saf A. Ö.  
International 10. Drug Chemistry Conference, Antalya, Turkey, 10 - 13 March 2022, pp.113
- IX. **Design and Synthesis of Thioflavin T (ThT)-like Fluorescent Compounds and Their DNA-binding and Cell Imaging Applications**  
Kutlar M., Kuzu B., Mengeş N.  
International 10. Drug Chemistry Conference, Antalya, Turkey, 10 - 13 March 2022, pp.133
- X. **Structural Approach Into The Design of Potent Anticancer Indole-Oxazole Derivatives via Tubulin Polymerization Inhibition**  
Kuzu B.  
International 10. Drug Chemistry Congress, Antalya, Turkey, 10 - 13 March 2022, pp.54-58
- XI. **Targeting mTOR Pathway: An Overview of Rapamycin and Rapalogs**  
Kılıç B., Kuzu B., Şahan Fırat S.  
International 9. Drug Chemistry Congress, Antalya, Turkey, 8 - 11 April 2021, pp.39
- XII. **Design, Synthesis And In Vitro Applications Of New Types Of Cell Imaging Agents: Imidazopyridine Skeleton**  
Sevinçli Z. Ş. , Kuzu B., YURTÇU E., Mengeş N.  
8th International Congress of Drug Chemistry: Design, Synthesis, Production and Standardization of Pharmaceutical Active Substances, Antalya, Turkey, 27 February - 01 March 2020
- XIII. **New Types of Imidazole Derivatives and Their Pharmacological Effects on Central Nervous System**  
Kuzu B., Tan M., Mengeş N.  
8th International Congress of Drug Chemistry: Design, Synthesis, Production and Standardization of Pharmaceutical Active Substances, Antalya, Turkey, 27 February - 01 March 2020, pp.1
- XIV. **Investigation of the Effects of BK369 Compound on Breast Cancer**  
HEPOKUR C., BOSTANCI H., Kuzu B., ALGÜL Ö.  
8th International Congress of Drug Chemistry: Design, Synthesis, Production and Standardization of Pharmaceutical Active Substances, Antalya, Turkey, 27 February - 01 March 2020
- XV. **Catalyst-free and green chemistry approach for unknown fused tetraheterocyclic skeleton**  
Gül S., Kuzu B., Tan M., Mengeş N.  
8th International Congress of Drug Chemistry: Design, Synthesis, Production and Standardization of Pharmaceutical Active Substances, Antalya, Turkey, 27 February - 01 March 2020
- XVI. **Benzimidazole-2-Phenyl with Alkyl / Alkyloxy linker Derivatives: Synthesis and Antiproliferative Evaluation**  
HAJ ERSAN R., Kuzu B., BUĞA M., ADAL E., ALGÜL Ö.  
8th International Congress of Drug Chemistry: Design, Synthesis, Production and Standardization of Pharmaceutical Active Substances, Antalya, Turkey, 27 February - 01 March 2020
- XVII. **An Investigation For New Topical Antiseptic Solution with Unknown Agents**

- KURT H., Mengeş N., Kuzu B., GÜL S., Tan M.  
8th International Congress of Drug Chemistry: Design, Synthesis, Production and Standardization of Pharmaceutical Active Substances, Antalya, Turkey, 27 February - 01 March 2020
- XVIII. Design and Synthesis of Novel Diisopropylloxalamide Derivatives and Their Docking Studies for COX Inhibitions**  
Kuzu B., ALGÜL Ö.  
8th International Congress of Drug Chemistry: Design, Synthesis, Production and Standardization of Pharmaceutical Active Substances, Antalya, Turkey, 27 February - 01 March 2020
- XIX. Design and Synthesis of Novel 4-Methylaminopiperidine-Substituted Imidazopyridine Derivatives and Investigation of Their Antimicrobial Activities**  
Kuzu B., Gül S., Mengeş N.  
8th International Congress of Drug Chemistry: Design, Synthesis, Production and Standardization of Pharmaceutical Active Substances, Antalya, Turkey, 27 February - 01 March 2020
- XX. 3(2H)-Pyridazinones: Synthesis as Antifungal Agents, in silico Fungal CYP51 Inhibition**  
Zenni Y. N., Özdemir Z., Kuzu B., Kutluk İ.  
5th INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES (ITWCCST 2019), Sakarya, Turkey, 25 - 27 October 2019, pp.31-33
- XXI. SYNTHESIS OF BICYCLIC IMIDAZOLE DERIVATIVES VIA PROPARGYL CYCLIZATION WITH BASE OR METAL**  
Taşdemir V., Kuzu B., Mengeş N., Genç H.  
2. INTERNATIONAL TURKISH WORLD ENGINEERING AND SCIENCE CONGRESS, Antalya, Turkey, 7 - 10 October 2019, pp.320-323
- XXII. Anti-inflammatory Activities of Alicyclic Diamide Derivatives**  
Kuzu B., Ayaz F., ALGÜL Ö.  
7th Drug Chemistry Conference: Design, Synthesis, Production and Standardization of Drug Active Substances, Antalya, Turkey, 14 - 17 March 2019
- XXIII. Alkene or Alkyne-linked Imidazole Derivatives and Investigation of Their Applications**  
Kuzu B., Taşdemir V., Mengeş N.  
7th Drug Chemistry Conference: Design, Synthesis, Production and Standardization of Drug Active Substances, Antalya, Turkey, 14 - 17 March 2019
- XXIV. Design and Production of New Generation Plasmid Transfection Reagents with High Transfection Efficiencies and Less Cytotoxic Effects**  
Ayaz F., Kuzu B., HAJ ERSAN R., ALGÜL Ö.  
7th Drug Chemistry Conference: Design, Synthesis, Production and Standardization of Drug Active Substances, Antalya, Turkey, 14 - 17 March 2019
- XXV. Unknown Imidazole Fused Heterobicyclic Compounds via Alkyne Cyclization**  
Mengeş N., Kuzu B., Tan M.  
4th Organic Chemistry Congress with international participation, Antalya, Turkey, 4 - 07 October 2018
- XXVI. Synthesis of Imidazo [1,2-a] pyrazine Compounds on Metal Catalyzed Alkyl Cyclization and Investigating Their Diels-Alder Reactions**  
Kuzu B., Mengeş N.  
4th Organic Chemistry Congress with international participation, Antalya, Turkey, 4 - 07 October 2018
- XXVII. Development of New Methods For The High Efficiency of Benzoxazole Derivatives**  
Kuzu B., ALGÜL Ö.  
4th Organic Chemistry Congress with international participation, Antalya, Turkey, 4 - 07 October 2018
- XXVIII. İmidazopyridines and Their Biological Evaluation as Potent Anticancer Agents: A promising Candidate for Glioblastoma**  
Mengeş N., Kuzu B., GÜÇLÜ D., Taşpınar F., Canpınar H., Tozlu İ., Taşpınar M.  
12th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 26 - 29 June 2018, pp.47-48
- XXIX. Synthesis of Novel Imidazopyridines and Their Biological Evaluation as Potent Anticancer Agents: A Promising Candidate for Glioblastoma**

- GÜÇLÜ D., Kuzu B., Tozlu İ., Taşpınar F., Canpınar H., Taşpınar M., Mengeş N.  
12th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 26 - 29 June 2018, pp.2
- XXX. **NOVEL LIGANDS FOR CANNABINOID RECEPTOR AND IN VITRO INVESTIGATION ON THEIR ANTIPROLIFERATIVE EFFECTS ON BRAIN TUMOR CELL LINE**  
Kuzu B., Taşpınar M., Mengeş N.  
12th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 26 - 29 June 2018, pp.528
- XXXI. **İMİDAZOLE-LINKED MONO AND DI-KETOXIME DERIVATIVES ON GLIOBLASTOMA: SYNTHESIS AND IN VITRO STUDIES**  
Kuzu B., Taşpınar F., Mengeş N., Taşpınar M., Taşdemir V., Genç H.  
12th International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 26 - 29 June 2018
- XXXII. **Benzazol Yapısı Taşıyan 2-Tiyokarboksilik Asit Türevi Bileşiklerinin Sentezi,Yapılarının Karakterizasyonu Ve Antimikrobiyal Aktivitelerinin Belirlenmesi**  
ERTÜRK B. G. , AKTAŞ D., Kuzu B., ALGÜL Ö., DÖĞEN A.  
Uluslararası Katılımlı 6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 22 - 25 March 2018, pp.138
- XXXIII. **Kannabinoid Reseptörleri İçin Yeni Ligantların Sentezi Ve Yapı-Etki İlişkilerinin İncelenmesi**  
Kuzu B., Taşpınar M., Mengeş N.  
Uluslararası Katılımlı 6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 22 - 25 March 2018, pp.147
- XXXIV. **İmidazol Halkası İçeren Trisiklik Moleküllerin Sentezi Ve Biyolojik Aktivitelerinin İncelenmesi**  
ALTIOK M. S. , Kuzu B., Bildirici İ., Mengeş N.  
Uluslararası Katılımlı 6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 22 - 25 March 2018, pp.149
- XXXV. **Synthesis of Some N-Benzazol-2-Yl Benzamide Derivatives And Investigation of Their Anticancer Properties on Breast Cancer MCF-7**  
HAJ ERSAN R., Kuzu B., YETKİN D., ALGÜL Ö.  
Uluslararası Katılımlı 6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 15 - 25 March 2018, pp.148
- XXXVI. **Reactions Of Spiro-Indolenines With Nucleophiles**  
Tan M., Mengeş N., Kuzu B.  
TRAMECH IX, Transmediterranean Colloquium On Heterocyclic Chemistry, Fez, Morocco, 22 - 25 November 2017, pp.215
- XXXVII. **Synthesis Of İmidazopyrazine Derivatives And Evaluation Of Their Genotoxicity And Cytotoxicity Via SAR-QSAR Models**  
Kuzu B., Tan M., Taşpınar M., Mengeş N.  
TRAMECH IX, Transmediterranean Colloquium On Heterocyclic Chemistry, Fez, Morocco, 22 - 25 November 2017, pp.98
- XXXVIII. **Synthetic Protocol for İmidazo-1,4-Oxazines and Evaluation of Their Cytotoxicity and Genotoxicity with SAR**  
Taşpınar M., Kuzu B., Tan M., Mengeş N.  
International Multidisciplinary Symposium on Drug Research and Development, DRD, Erzurum, Turkey, 5 - 07 October 2017, pp.69
- XXXIX. **Metal Katalizli Alkil Siklizasyonu Üzerinden İmidazo[1,2-a]pirazin Bileşiklerinin Sentezi, Karakterizasyonu ve SAR-QSAR Modellemesi Üzerinden Genotoksik-Sitotoksik Çalışmaları**  
Kuzu B., Tan M., Taşpınar M., Mengeş N.  
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.206
- XL. **TRİSİKLIK MOLEKÜLLERİN SENTEZİNDE KOLAY VE UYGULANABİLİR YÖNTEMLERİN GELİŞTİRİLMESİ**  
ALTIOK M. S. , Kuzu B., Bildirici İ., Tan M., Mengeş N.  
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.237
- XLI. **DİMERİK YAPIDAKİ İMİDAZOLOPİRİDİN HALKASININ SENTEZLENMESİ İÇİN YÖNTEM GELİŞTİRİLMESİ**  
GÜÇLÜ D., Kuzu B., Tozlu İ., Mengeş N.

29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.221
- XLII. **İyon Analizinde Kullanılan Yeni Sensörlerin Geliştirilmesi**  
Kuzu B., ALAGÖZ A., Mengeş N.  
29. ULUSAL KİMYA KİMYA KONGRESİ, Ankara, Turkey, 10 - 14 September 2017, pp.38
- XLIII. **Synthesis of Chemoselective Oxime and their Cyclization Reactions**  
Taşdemir V., Kuzu B., Mengeş N., Genç H., Tozlu İ.  
3rd INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES, Baku, Azerbaijan, 10 - 13 September 2017
- XLIV. **Yaygın Spektrum Alanında UV Işınları Absorbe Eden Multi-rezonans Özelliğe Sahip Moleküllerin Tasarımı ve Bu Moleküllerin Cilt Kanserinde Kullanımı**  
Çelebioğlu H. G., Kuzu B.  
3. İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 26 - 29 April 2017, pp.196
- XLV. **İmidazo-1,4-Oksazin Türevlerinin Kolay ve Daha Ucuz Bir Yöntemle Eldesi ve Sitotoksitesite, Genotoksitesite Çalışmaları**  
Kuzu B., Tan M., Taşpınar M., Mengeş N.  
5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 30 March - 02 April 2017, pp.126
- XLVI. **Alkin Siklozasyonu Üzerinden İmidazolopirazin-N-oksit Sentezi**  
Taşdemir V., Kuzu B., Mengeş N., Tozlu İ., Genç H.  
Uluslararası Katılımlı 5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 30 March - 02 April 2017, pp.201
- XLVII. **AMİNO-İMİDAZOPİRİDİN İSKELETİ İÇİN YÖNTEM GELİŞTİRİLMESİ**  
GÜÇLÜ D., Kuzu B., Tozlu İ., Mengeş N.  
5. İLAÇ KİMYASI KONGRESİ, Antalya, Turkey, 30 March - 02 April 2017, pp.48
- XLVIII. **Synthesis of New Imidazole-Based Heterocyclic Molecules and Evaluation of Their Applications**  
Kuzu B., Mengeş N.  
28. Ulusal Kimya Kongresi, Mersin, Turkey, 15 - 21 August 2016
- XLIX. **Fe+3 İyonlarına Duyarlı Fluorometrik Organik Sensörün Tasarlanması, Sentezi ve Canlı Hücrelerde Fe+3 Tayininde Kullanılması**  
Kuzu B., Tan M., EKMEKÇİ Z., Mengeş N.  
Uluslararası Katılımlı 4. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Aydın, Turkey, 17 - 20 March 2016, pp.14
- L. **Floresans Özelliğe Sahip Yeni Bir Konjuge İmidazol Molekülünün Sentezi ve Solvatokromik Özelliğinin İncelenmesi**  
Çelebioğlu H. G., Kuzu B., Mengeş N.  
Uluslararası Katılımlı 4. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Aydın, Turkey, 17 - 20 March 2016, pp.15
- LI. **İyon Duyarlı ve Floresans Özelliğe Sahip Organik Sensörün Tasarlanması, Sentezi ve Uygulamaları**  
KELEŞ İ., Kuzu B., Mengeş N.  
Uluslararası Katılımlı 4. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Aydın, Turkey, 17 - 20 March 2016, pp.13
- LII. **Synthesis and application of logical molecules having fluoroionophore motif for cation sensing**  
Kuzu B., Mengeş N.  
Trans Mediterranean Colloquium on Heterocyclic Chemistry TRAMECH VIII, Antalya, Turkey, 11 - 15 November 2015, pp.72
- LIII. **Synthesis of conjugated imidazole derivatives and examination of their solvatochromism**  
Mengeş N., Kuzu B.  
Trans Mediterranean Colloquium on Heterocyclic Chemistry TRAMECH VIII, Antalya, Turkey, 11 - 15 November 2015, pp.161
- LIV. **Synthesis Of Di-Substituted Imidazole Derivatives And Their Applications In The Cell-Imaging**  
Kuzu B., Mengeş N.

## Supported Projects

- Tan Uygun M., Yüksek V., Akyol M. E. , Mengeş N., Usta A., Kuzu B., Project Supported by Higher Education Institutions, Yeni tür pirolo[1,2-a]pirazin türevlerinin in vitro ve in vivo çalışmalarıyla Glioblastoma için yeni aday molekülerinin belirlenmesi, 2022 - Continues
- Kuzu B., ALGÜL Ö., YETKİN D., Project Supported by Higher Education Institutions, Kanser Tedavisi için Yeni İlaç Adayı Bisbenzoksazol Türevi Bileşiklerin Tasarımı Sentezi ve İn Vitro Antiproliferatif Uygulamaları, 2022 - Continues
- Mengeş N., Tan M., Kuzu B., Project Supported by Higher Education Institutions, Yeni Koronavirüs 2019nCoV Enfeksiyonunda Tedavi Edici İlaç Adayının Tasarlanması Sentezi ve Etkinliğinin Akciğer Hücrelerinde Test Edilmesi 2019nCoV Proteaz Enzimi için Etkili İnhibitörler, 2020 - Continues
- Kuzu B., Kutlar M., TUBITAK Project, "Tiyoflavin T (ThT) Bileşiğinden Hareketle Tasarlanan 5/6-Süstitüe-(2-(4-piperidin-1-il)fenil)benzoksazol Bileşiklerinin Sentezi, DNA Bağlanma Çalışmaları ve İn Vitro Hücre Görüntüleme Çalışmaları", 2022 - 2023
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- Uzun Y., Aslan A., Bildirici İ., Mengeş N., Tan M., Dalar A., Kuzu B., MÜKEMRE M., Project Supported by Higher Education Institutions, Yeni Tür İndol Alkaloidleri ve Analogları Üzerinden İlaç Etken Madde Araştırma ve Geliştirme Çalışmaları, 2018 - 2022
- Kuzu B., Mengeş N., TUBITAK Project, Siyanür İyonu İle N-Propargil-Pirol Türevleri Arasındaki Benzanulasyon Reaksiyonu Üzerinden Yeni Tür Siklizasyonların Araştırılması, 2020 - 2021
- Kuzu B., Algül Ö., Project Supported by Higher Education Institutions, Yeni Benzazol-2-Karboksamit Türevi Bileşiklerin Tasarımı, Sentezi, Yapılarının Aydınlatılması, Antiproliferatif Aktivitelerinin Araştırılması ve Yapı-Etki İlişkilerinin Belirlenmesi, 2020 - 2021
- Tan Uygun M., Kuzu B., Project Supported by Higher Education Institutions, pH Duyarlı Organik Sensörlerin Dizaynı Sentezi ve Kanseri Hücreleri Seçimli Görüntüleme ve Tedavi Edilebilir Potansiyellerinin Araştırılması, 2019 - 2021
- Algül Ö., Kuzu B., Project Supported by Other Official Institutions, Moleküler Biyoloji ve Hücre Biyolojisi Çalışmalarında Kullanılabilecek Sitotoksik Etkisi Minimal Plasmid Transfeksiyon Maddesi Üretimi ve Kullanımda Olan Ticari Müadilleri İle Karşılaştırılması, 2018 - 2021
- Mengeş N., Tan M., Kuzu B., Project Supported by Higher Education Institutions, Önemli Bir Floresans Molekül Olan Perilenin Modern Kenetlenme Reaksiyonlarının Araştırılması, 2018 - 2019
- Tan Uygun M., Kuzu B., Mengeş N., Project Supported by Higher Education Institutions, Spirosiklik Alkaloid Analoglarının Sentezi için Yöntem Geliştirilmesi ve Analogların Nükleofillerle Reaksiyonlarının İncelenmesi, 2016 - 2018
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- Tan M., Mengeş N., TUBITAK Project, Floroionofor Özelliğine Sahip Akıllı Moleküllerin Sentezi ve Katyon Analizindeki Uygulamaları, 2015 - 2017

## Patent

- Mengeş N., Batur M., Tan Uygun M., Kuzu B., Gülçin İ., Glokom tedavisinde Yeni Bir İlaç Adayı İmidazol Türevleri, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: TR 2017 08596 B , Standard Registration, 2020

## Memberships / Tasks in Scientific Organizations



TÜRK FARMASÖTİK VE MEDİSİNAL KİMYA DERNEĞİ, Member, 2022 - Continues, Turkey

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## Citations

Total Citations (WOS):133

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## Awards

Kuzu B., Akademik Yükselme (Dr.), Türk Eczacıları Birliği 25. Bölge Mersin Eczacı Odası, May 2022

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