

## Assoc. Prof. GİZEM TATAR YILMAZ

### Personal Information

Office Phone: [+90 462 377 5307](tel:+904623775307)

Email: [gizemtatar@ktu.edu.tr](mailto:gizemtatar@ktu.edu.tr)

Web: <https://avesis.ktu.edu.tr/gizemtatar>

### International Researcher IDs

ScholarID: OJq1GY4AAAAJ

ORCID: 0000-0001-6642-6870

Publons / Web Of Science ResearcherID: I-6440-2018

ScopusID: 3058617

Yoksis Researcher ID: 300371

### Education Information

Doctorate, Gaziantep University, Institute Of Health Sciences, Turkey 2014 - 2018

Postgraduate, Kadir Has University, Institute Of Science, Hesaplamalı Biyoloji ve Biyoenformatik, Turkey 2009 - 2011

### Dissertations

Doctorate, Structure prediction of eukaryotic elongation factor 2 kinase (EEF-2k) and elucidation of binding mechanisms of its novel compounds with molecular modelling applications, Gaziantep University, Institute Of Health Sciences, 2018

Postgraduate, Structure prediction of human DAT and its binding analysis, Kadir Has University, Institute Of Science, 2011

### Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biostatistics and Medical Informatics, Life Sciences, Bioinformatics, Biological Modelling, Biological Databases, Molecular Biology and Genetics, Molecular Biology of Cancer, Protein Engineering, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Karadeniz Technical University, Tıp Fakültesi, Temel Tıp, 2022 - Continues

Assistant Professor, Karadeniz Technical University, Tıp Fakültesi, Temel Tıp, 2019 - Continues

### Courses

Bilgisayar Destekli İlaç Tasarımı, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Temel Biyoenformatik, Postgraduate, 2023 - 2024, 2021 - 2022

Biyoenformatiğe Giriş, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

## Advising Theses

Tatar Yılmaz G., Diyabet tedavisine yönelik yeni antidiyabetik ajanların moleküler modelleme yöntemleri ile geliştirilmesi, Postgraduate, S.KAYA(Student), 2023

Tatar Yılmaz G., Kronik miyeloid lösemi tedavisine yönelik yeni inhibitörlerin bilgisayar destekli ilaç tasarım yöntemleri ile geliştirilmesi, Postgraduate, Ö.BALTA(Student), 2023

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

- I. **Exploring Inhibition Mechanisms in Wildtype and T315I BCR-ABL1: An In Silico Approach Integrating Virtual Screening, MD Simulations, and MM-GBSA Analysis**  
Balta Ö., Yılmaz E., Tatar Yılmaz G.  
JOURNAL OF COMPUTATIONAL CHEMISTRY, vol.46, no.1, pp.1-9, 2025 (SCI-Expanded)
- II. **Exploring 2-Pyrazoline derivatives as potent antidiabetic agents and cholinesterase inhibitors: Their synthesis and molecular docking studies**  
Uğraş Z., TOK F., Çakir C., Tuna K., TATAR YILMAZ G., Mutlu D., Sıcak Y., Arslan Ş., Öztürk M., Koçyiğit-Kaymakçioğlu B.  
Journal of Molecular Structure, vol.1315, 2024 (SCI-Expanded)
- III. **Development of new chiral 1,2,4-triazole-3-thiones and 1,3,4-thiadiazoles with promising in vivo anticonvulsant activity targeting GABAergic system and voltage-gated sodium channels (VGSCs)**  
Karaküçük-İyidoğan A., Başaran E., TATAR YILMAZ G., Oruç-Emre E. E.  
Bioorganic Chemistry, vol.151, 2024 (SCI-Expanded)
- IV. **Design, synthesis, molecular modeling, in vitro evaluation of novel piperidine-containing hydrazone derivatives as cholinesterase inhibitors**  
TOK F., Baltas N., Abas B. I., Tatar Yılmaz G., Kaya S., Kocyiğit-Kaymakcioglu B., Cevik O.  
DRUG DEVELOPMENT RESEARCH, vol.85, no.5, 2024 (SCI-Expanded)
- V. **Discovery of New Dual-Target Agents Against PPAR- $\gamma$  and  $\alpha$ -Glucosidase Enzymes with Molecular Modeling Methods: Molecular Docking, Molecular Dynamic Simulations, and MM/PBSA Analysis**  
Kaya S., TATAR YILMAZ G., Aktar B. S. K., Emre E. E. O.  
Protein Journal, vol.43, no.3, pp.577-591, 2024 (SCI-Expanded)
- VI. **Synthesis, Antimicrobial Activities, and Molecular Modeling Studies of Agents for the Sortase A Enzyme**  
Tatar Yılmaz G., Yayli N., Tüzüner T., Bozdal G., Salmanli M., Renda G., Korkmaz B., Bozdeveci A., Alpay Karaoğlu Ş.  
CHEMISTRY & BIODIVERSITY, vol.21, no.5, 2024 (SCI-Expanded)
- VII. **Synthesis, Biological Investigation, and Molecular Docking of Novel Benzimidazole-Hydrazone Hybrids as Potential Anticancer Agent Candidates**  
Demirci S., Köprülü T. K., Mermer A., Yılmaz G. T.  
ChemistrySelect, vol.9, no.9, 2024 (SCI-Expanded)
- VIII. **Investigation of  $\alpha$ -glucosidase and  $\alpha$ -amylase inhibitory effects of phenoxy chalcones and molecular modeling studies**  
Kursun-Aktar B. S., Adem S., Tatar-Yılmaz G., Hameed Z. A. H., Oruc-Emre E. E.  
JOURNAL OF MOLECULAR RECOGNITION, vol.36, 2023 (SCI-Expanded)
- IX. **Design, Synthesis, Pharmacological Activities, Structure-Activity Relationship, and In Silico Studies of Novel 5-Substituted-2-(morpholinoimino)-thiazolidin-4-ones**  
Sıcak Y., Aktar B. S. K., TATAR YILMAZ G., Ozturk F. A., Ozturk M., Tok T. T., Emre E. E. O.  
ACS OMEGA, vol.8, no.41, pp.38641-38657, 2023 (SCI-Expanded)
- X. **Design, *in Silico* Studies and Biological Evaluation of New Chiral Thiourea and 1,3-Thiazolidine-4,5-dione Derivatives**  
Evyapan S., Oruç-Emre E. E., Sıcak Y., Karaküçük-İyidoğan A., Yılmaz G., Öztürk M.  
CHEMISTRY & BIODIVERSITY, vol.20, no.8, 2023 (SCI-Expanded)
- XI. **Synthesis and evaluation of the antioxidant and anti-tyrosinase activities of thiazolyl hydrazone**

**derivatives and their application in the anti-browning of fresh-cut potato**

Djafarou S, Mermer A, Barut B, Tatar Yılmaz G, Khodja I. A., Boulebd H.

FOOD CHEMISTRY, vol.414, 2023 (SCI-Expanded)

- XII. **Design, Synthesis, Biological Activity and Molecular Docking Studies of New Imine-Chalcone Derivatives**  
Çelik G., Yılmaz G. T., BARUT B., YALÇIN C. Ö., YAYLI N.  
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.57, no.4, pp.550-558, 2023 (SCI-Expanded)
- XIII. **Design, synthesis, and enzyme inhibition evaluation of some novel Mono- and Di-O-β-D-Glycopyranosyl Chalcone analogues with molecular docking studies**  
Celik G., TATAR YILMAZ G., Sahin H., BARUT B., YAYLI N.  
TURKISH JOURNAL OF CHEMISTRY, vol.47, no.1, pp.171-184, 2023 (SCI-Expanded)
- XIV. **Synthesis of novel thiosemicarbazone derivatives as antidiabetic agent with enzyme kinetic studies and antioxidant activity**  
TOK F., KÜÇÜKAL B., BALTAŞ N., TATAR YILMAZ G., KAYMAKÇIOĞLU B.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.197, no.12, pp.1284-1294, 2022 (SCI-Expanded)
- XV. **Evaluation of the effects of chlorhexidine and several flavonoids as antiviral purposes on SARS-CoV-2 main protease: molecular docking, molecular dynamics simulation studies.**  
Tatar G., Salmanli M., Dogru Y., Tuzuner T.  
Journal of biomolecular structure & dynamics, vol.40, no.17, pp.7656-7665, 2022 (SCI-Expanded)
- XVI. **Synthesis, Antioxidant and Some Enzyme Inhibition Activities of New Sulfonyl Hydrazones and their Molecular Docking Simulations**  
Aktar B. S. K., Sicak Y., TATAR YILMAZ G., Oruc-Emre E. E.  
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.56, no.4, pp.559-569, 2022 (SCI-Expanded)
- XVII. **Synthesis, Biological Evaluation and in Silico Studies of New Pyrazoline Derivatives Bearing Benzo[d]thiazol-2(3H)-one Moiety as Potential Urease Inhibitors**  
TOK F., BALTAŞ N., TATAR YILMAZ G., KAYMAKÇIOĞLU B.  
CHEMISTRY & BIODIVERSITY, vol.19, no.3, 2022 (SCI-Expanded)
- XVIII. **Structure prediction of eukaryotic elongation factor-2 kinase and identification of the binding mechanisms of its inhibitors: homology modeling, molecular docking, and molecular dynamics simulation**  
Tatar G., Taskin T.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.40, no.24, pp.13355-13365, 2022 (SCI-Expanded)
- XIX. **Synthesis of benzoyl hydrazones having 4-hydroxy-3,5-dimethoxy phenyl ring, their biological activities, and molecular modeling studies on enzyme inhibition activities**  
Kursun Aktar B. S., Sicak Y., TATAR YILMAZ G., Oruc-Emre E. E.  
TURKISH JOURNAL OF CHEMISTRY, vol.46, pp.236-252, 2022 (SCI-Expanded)
- XX. **Synthesis of novel pancreatic lipase inhibitors: Biological investigation and in silico studies**  
Mermer A., Demirci S., TATAR G.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.40, no.2, pp.931-940, 2022 (SCI-Expanded)
- XXI. **Investigation of the antimicrobial activities of various antimicrobial agents on Streptococcus Mutans Sortase A through computer-aided drug design (CADD) approaches**  
SALMANLI M., Yılmaz G. T., TÜZÜNER T.  
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.212, 2021 (SCI-Expanded)
- XXII. **Synthesis, biological evaluation (antioxidant, antimicrobial, enzyme inhibition, and cytotoxic) and molecular docking study of hydroxy methoxy benzoin/benzil analogous**  
Yaylı N., Kılıç G., Kahriman N., Kanbolat Ş., Bozdeveci A., Alpay Karaoğlu Ş., Aliyazıcıoğlu R., Erdinç Sellitepe H. E., Selin Doğan İ. S., Aydın A., et al.  
BIOORGANIC CHEMISTRY, vol.115, 2021 (SCI-Expanded)
- XXIII. **Investigation of potential inhibitor properties of ethanolic propolis extracts against ACE-II receptors for COVID-19 treatment by molecular docking study**

- Guler H. İ., Tatar G., Yildiz O., Belduz A. O., Kolayli S.  
ARCHIVES OF MICROBIOLOGY, vol.203, no.6, pp.3557-3564, 2021 (SCI-Expanded)
- XXIV. **Computational drug repurposing study of the RNA binding domain of SARS-CoV-2 nucleocapsid protein with antiviral agents**  
Tatar G., Ozyurt E., Turhan K.  
BIOTECHNOLOGY PROGRESS, vol.37, no.2, 2021 (SCI-Expanded)
- XXV. **Determination of potential selective inhibitors for ROCKI and ROCKII isoforms with molecular modeling techniques: structure based docking, ADMET and molecular dynamics simulation**  
Secinti B. B., Tatar G., Tok T. T.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.37, no.9, pp.2457-2463, 2019 (SCI-Expanded)
- XXVI. **Synthesis, anticancer activity and ADMET studies of N-(5-methyl-1,3,4-thiadiazol-2-yl)-4-[(3-substituted)ureido/thioureido] benzenesulfonamide derivatives**  
KARAKUŞ S., TOK F., Tuerk S., ŞALVA E., Tatar G., Taskin-Tok T., Kocyigit-Kaymakcioglu B.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.193, no.8, pp.528-534, 2018 (SCI-Expanded)
- XXVII. **Clarification of Interaction Mechanism of Mouse Hepatitis Virus (MHV) N and nsp3 Protein with Homology Modeling and Protein-Protein Docking Analysis.**  
Tatar G., Tok T.  
Current computer-aided drug design, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Diş Hekimliğine Yönelik Antimikrobiyal Ajanların Geliştirilmesinde Bilgisayar Destekli İlaç Tasarımının Rolü**  
Berberoğlu İ. N., Tatar Yılmaz G., Tüzüner T.  
Türkiye Klinikleri Diş Hekimliği Bilimleri Dergisi, vol.1, no.1, pp.41-44, 2023 (Peer-Reviewed Journal)
- II. **In silico modeling of  $\alpha$ -glucosidase, aldose reductase, and PPAR- $\gamma$  with benzoyl/sulfonyl hydrazone derivatives using molecular docking, ADMET, and molecular dynamics simulations**  
YILMAZ G., AKTAR B. S. K., ORUÇ EMRE E. E.  
JOURNAL OF RESEARCH IN PHARMACY, vol.27, no.4, pp.1567-1576, 2023 (ESCI)
- III. **Molecular docking, synthesis and biological evaluation (enzyme inhibition, antimicrobial and antioxidant) of methoxy benzoin/benzil/stilbenoid derivatives**  
Yaylı N., Kahrman N., Bozdal G., Serdaroğlu V., Aliyazıcıoğlu R., Sellitepe H. E., Alpay Karaoğlu Ş., Yılmaz G.  
ORGANIC COMMUNICATIONS, vol.15, no.2, pp.129-147, 2022 (ESCI)
- IV. **Bazı Kalkonların COVID-19 Tedavisine Yönelik SARS-CoV-2 Ana Proteaza Bağlanma Mekanizmasının Moleküler Kenetleme Yaklaşımı ile Aydınlatılması**  
Tatar Yılmaz G., Aktar B. S. K.  
International journal of advances in engineering and pure sciences (Online), vol.33, no.4, pp.660-669, 2021 (Peer-Reviewed Journal)
- V. **SARS-CoV-2 Ana Proteaz Enzimine Yönelik Antiviral Bileşiklerin Bilgisayar Destekli İlaç Tasarımı Yöntemleri ile Değerlendirilmesi**  
TATAR YILMAZ G., YILMAZ E.  
European Journal of Science and Technology, no.32, pp.1043-1047, 2021 (Peer-Reviewed Journal)
- VI. **Target-Driven Design of a Coumarinyl Chalcone Scaffold Based Novel EF2 Kinase Inhibitor Suppresses Breast Cancer Growth In Vivo**  
Onder F. C., Kahraman N., Atici E. B., Cagır A., Kandemir H., Tatar G., Tok T. T., Kara G., Karlıga B., Durdagi S., et al.  
ACS PHARMACOLOGY & TRANSLATIONAL SCIENCE, vol.4, no.2, pp.926-940, 2021 (ESCI)

## Books & Book Chapters

### I. Bilgisayar destekli ilaç tasarımı

Tatar Yılmaz G.

in: Protein yapısı, mühendisliği, etkileşimleri, dinamiği ve ilaç tasarımıdaki yeri, Saliha Ece Acuner, Editor, Nobel Tıp Kitapevi, Ankara, pp.291-307, 2021

### II. BİLGİSAYAR DESTEKLİ İLAÇ TASARIMI

TATAR YILMAZ G.

in: PROTEİN: YAPISI, MÜHENDİSLİĞİ, ETKİLEŞİMLERİ, DİNAMİĞİ VE İLAÇ TASARIMINDAKİ YERİ, Saliha Ece ACUNER, Editor, Ankara Nobel Tıp Kitabevleri, Ankara, pp.291-307, 2021

## Refereed Congress / Symposium Publications in Proceedings

### I. Oleuropein ve Türevi Bileşiklerin Streptococcus Mutans Enzimleri Üzerindeki İnhibitör Özelliklerinin İn-Siliko Olarak İncelenmesi

Berberoğlu İ. N., Tatar Yılmaz G., Renda G., Güdük Ö. F.

30. Uluslararası Türk Pedodonti Derneği Kongresi, Antalya, Turkey, 17 - 20 October 2024, pp.269-274

### II. Discovery of New Dual-Target Agents Against PPAR- $\gamma$ and $\alpha$ -glucosidase Enzymes with Molecular Modeling Methods

Kaya S., Tatar Yılmaz G., Aktar B. S. K., Emre E. E.

4th Enzyme and Bioprocess Days (EBDays), Kars, Turkey, 7 - 09 September 2023, pp.64

### III. Exploring Promising Inhibitor Candidates for Estrogen Receptor Alpha Enzyme with Molecular Modelling Studies

Turgut Z. D., Tatar Yılmaz G.

4th Enzyme and Bioprocess Days (EBDays), Kars, Turkey, 7 - 09 September 2023, pp.63

### IV. AKR1B1 Enzimine Yönelik Etkin Bileşiklerin Moleküler Kenetlenme Yöntemi ile İncelenmesi

Yaşar Ş., Tatar Yılmaz G., Çolak C.

14.Tıp Bilişimi Kongresi, İzmir, Turkey, 16 - 18 March 2023, pp.108-114

### V. Evaluation of The Effects of Different Formulations of Subunit Covid-19 Vaccine on Cytokine Levels in HepG2 Cells

Arca Çakır D., Yirün A., Aydın S., Varan G., Tatar Yılmaz G., Erkekoğlu Ü. P., Ünal S.

11 INTERNATIONAL CONGRESS OF THE TURKISH SOCIETY OF TOXICOLOGY, Antalya, Turkey, 2 - 05 November 2022, pp.129

### VI. COVID-19 Tedavisine Yönelik İn Siliko İlaç Geliştirme Çalışmaları

Tatar Yılmaz G.

Uluslararası Ege Sağlık Alanları Sempozyumu, İzmir, Turkey, 18 - 19 December 2021, pp.120-121

### VII. SARS-CoV-2 Spike, Main protease ve Nucleocapsid Proteinlerinin Molnupiravir ile Etkileşim Mekanizmasının Moleküler Kenetlenme Yöntemi ile İncelenmesi

Özyurt E., Tatar Yılmaz G., Turhan K.

13. TIP BİLİŞİMİ KONGRESİ, İstanbul, Turkey, 24 - 27 March 2021, pp.1-8

### VIII. Evaluation Of Two Different Antibacterial Agents For Inhibition Of Streptococcus Mutans-Sortase A Enzyme Structure By Molecular Docking Method

SALMANLI M., TATAR G., TÜZÜNER T., YILMAZ N., BAYGIN Ö.

26.International Congress of Turkish Society of Pediatric Dentistry, 10 - 13 October 2019, pp.92-93

### IX. Zika Virüsüne karşı in-siliko ilaç tasarımı

Kok M. A., TATAR G., Taşkın Tok T.

3.Uluslararası Avrasya Multidisipliner Çalışmalar Kongresi, Gaziantep, Turkey, 4 - 07 April 2019, pp.304-311

### X. Üç boyutlu DNA Aptamer Temelli Biyosensörler ile Endrokin bozucu kimyasalların tespit edilmesi

BAYIL İ., TATAR G., TASKIN TOK T.

3.Uluslararası Avrasya Multidisipliner Çalışmalar Kongresi, Gaziantep, Turkey, 4 - 07 April 2019, pp.334-339

- XI. **Recent Developments in eEF2 Kinase Inhibitors**  
AY M., CÖMERT ÖNDER F., KANDEMİR H., TAŞKIN TOK T., BELLUR ATICI E., TATAR G., KARLIĞA B., ŞAHİNER N., Ozpolat B.  
International Conference on PharmaScience Research and Development (Pharma RD 2019), Paris, France, 4 - 06 March 2019, pp.25-26
- XII. **Determination of potential selective inhibitors for ROCKI and ROCKII isoforms with molecular modeling techniques: Structure Based Docking,ADMET and Molecular Dynamics Simulation**  
TATAR G.  
Proteinlerin Yapısı ve Etkileşimleri konulu Biyofizik Yaz Okulu, 29 - 30 August 2018
- XIII. **Molecular Docking Study of Novel 1,2,3,4,-Tetrahydroisoquinoline Derivates as Anticancer Agents against epidermal growth factor (EGFR) receptor**  
TATAR G., TASKIN TOK T., HASSAN Y., MOHAMMED A. D.  
1. Uluslararası Kanser ve İyon Kanalları Kongresi, Şanlıurfa, Turkey, 21 - 23 September 2017, pp.132
- XIV. **Molecular Docking Study of Rho-Kinase (ROCK) inhibitors**  
BAYEL SECINTI B., TATAR G., TASKIN TOK T.  
Innovation in Medicine Summit-3, Gaziantep, Turkey, 11 - 13 May 2017, pp.84
- XV. **Evaluation of Docking Functions for ROCK2-Ligands Docking**  
YILDIRIM M., TATAR G., TASKIN TOK T.  
4th International BAU Drug Design Congress, Gaziantep, Turkey, 13 - 15 October 2016, pp.230
- XVI. **Investigation of mutation on the molecular functions of ROCK2 (Rho-kinase2) protein with molecular modeling techniques**  
TATAR G.  
EMBO Integrative modeling of biomolecular interactions practical course, Barselona, Spain, 4 - 09 July 2016, pp.35
- XVII. **Investigation of mutation on the molecular functions of ROCK2 protein with molecular modeling techniques**  
TATAR G., TAŞKIN TOK T.  
Summer school on Molecular Modeling 4, Sardinia, Italy, 6 - 10 June 2016
- XVIII. **Computer-assisted Drug Design and Development**  
TASKIN TOK T., TATAR G.  
Innovation in Medicine Summit-2, Gaziantep, Turkey, 05 May 2016 - 07 May 2017, pp.79
- XIX. **Voltaj Kapılı Potasyum Kanal Proteinin Kv1 2 Homoloji Modellenmesi ve HsTx1 Toksini ile Etkileşim Mekanizmaların Docking Yöntemiyle Aydınlatılması**  
YILMAZ K., TATAR G., TAŞKIN TOK T.  
27. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015
- XX. **Elucidation of Interaction Mechanism of Coronavirus protein with Molecular Docking**  
TATAR G., TASKIN TOK T.  
Modeling of Biomolecular Systems Interactions, Dynamics and Allostery: Bridging Experiments and Computations, İstanbul, Turkey, 10 - 14 September 2014, pp.137
- XXI. **Homology modeling of Coronavirus (CoV) structural proteins and its interaction mechanism analysis**  
TATAR G., TAŞKIN TOK T.  
2. İlaç Kimyası, Üretim, Teknoloji ve Standardizasyon Kongresi, Turkey, 21 - 23 March 2014

## Supported Projects

TATAR YILMAZ G., BEKTAŞ Ö., YILMAZ E., Project Supported by Higher Education Institutions, Bilgisayar Destekli İlaç Tasarımı Yöntemleri ile Yeni BCR-ABL Tirozin Kinaz İnhibitörlerinin Geliştirilmesi, 2022 - Continues  
Tatar Yılmaz G., TUBITAK Project, Antidiyabetik Ajan Olabilecek Sülfonat Grubu Taşıyan Yeni Kalkonların Protein Tirozin Fosfataz 1B (PTP-1B) İnhibitörü Olarak Tasarımı, Moleküler Modelleme, in vitro ve in vivo Aktivite Çalışmaları, 2024 - 2027  
Tatar Yılmaz G., TUBITAK Project, Biyolojik Olarak Aktif Triazol Bileşiklerin Mof Türevli Manyetik Katalizörler ile Sentezi,

Antikanser Aktivitelerinin in vitro ve Moleküler Kenetlenme ile İncelenmesi ve Protein-Triazol Bileşiklerinin Etkileşimlerinin Yapay Zeka ile Belirlenmesi, 2024 - 2026

Tatar Yılmaz G., R&D Project of Group B, Covid 19'a Karşı Multi-epitop (Wuhan, Delta, Omicron B.A/5 ) Sentetik Peptit Aşısı Araştırma Geliştirme Çalışması, 2024 - 2026

Tatar Yılmaz G., TÜBİTAK Project, Moleküler Modelleme Tabanlı Antidiyabetik Aktivite Potansiyeline Sahip Yeni Sülfonamid- Pirazolin Hibrit Moleküllerinin Tasarımı, Sentezi Ve Aktivite Çalışmaları, 2024 - 2026

Tatar G., Aktar B. S. K., TÜBİTAK Project, Antidiyabetik Ajan Olarak alfa-Glukozidaz ve Ppar-gama'ya Karşı Kalkon, Pirazol, İzoksazol ve Hidrazon Gruplarına Sahip Yeni Moleküllerin Tasarımı, Moleküler Modelleme Çalışmaları ve in vitro Aktivitelerinin İncelenmesi, 2021 - 2023

Tatar G., Ünal S., Okay S., Aydın S., Erkekoğlu Ü. P., Karahan M., Özkul A., Ergünay K., İnkaya A. Ç., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), PEPTIDE-BASED VACCINE RESEARCH AND DEVELOPMENT STUDIES AGAINST COVID-19, 2020 - 2022

Tatar G., Yaylı N., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Sortaz A enzimine yönelik yeni antimikrobiyal inhibitörlerin moleküler modelleme yöntemleri ile geliştirilmesi, 2020 - 2022

TÜBİTAK Project, Moleküler Modelleme Tabanlı Yeni Hipoksiyle İndüklenen Faktörler HIF 1 ve HIF 2 Enzim İnhibitörlerinin Geliştirilmesi Sentezi ve Sitotoksitesite Araştırmaları, 2016 - 2018

## Patent

Tatar Yılmaz G., EF2-KİNAZ ENZİMİNİ İNHİBE EDEN YENİ BİLEŞİKLER, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2018 08406 , Standard Registration, 2023

## Scientific Refereeing

JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, SCI Journal, April 2022

SCIENTIFIC REPORTS, SCI Journal, March 2022

CLİNICAL AND EXPERİMENTAL HEALTH SCİENCE, National Scientific Refreed Journal, February 2022

COMPUTERS IN BIOLOGY AND MEDICINE, SCI Journal, November 2021

FRONTIERS IN PHARMACOLOGY, SCI Journal, September 2021

International journal of advances in engineering and pure sciences (Online), National Scientific Refreed Journal, May 2021

BIOPHYSICAL CHEMISTRY, SCI Journal, January 2021

BIOTECHNOLOGY PROGRESS, National Scientific Refreed Journal, August 2020

## Metrics

Publication: 56

Citation (WoS): 222

Citation (Scopus): 234

H-Index (WoS): 8

H-Index (Scopus): 9

## Scholarships

Travel Grant, Other International Organizations, 2016 - 2016

Bursary, TÜBİTAK, 2015 - 2016

## **Awards**

TATAR G., Best Poster Award, Turkish Society of Pediatric Dentistry, October 2019