

## Prof. AYLAK BALKAN

### Personal Information

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### Education Information

Doctorate, Hacettepe Üniversitesi, Eczacılık Fakültesi, Farmasötik Kimya, Turkey 1984 - 1988

Postgraduate, Hacettepe Üniversitesi, Eczacılık Fakültesi, Farmasötik Kimya, Turkey 1981 - 1984

Undergraduate, Hacettepe Üniversitesi, Eczacılık Fakültesi, Turkey 1976 - 1981

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

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

### Academic Titles / Tasks

Professor, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2001 - Continues

### Academic and Administrative Experience

Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2015 - Continues

Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2010 - 2013

Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2003 - 2006

### Advising Theses

BALKAN A., Bazı 2-(4-sübstitüe)fenil-5-benziliden/p-sübstitüebenziliden-3-fenilaminotiyazolidin-4-on türevleri üzerinde çalışmalar, Postgraduate, B.EROĞLU(Student), 2014

BALKAN A., Yeni bazı izoksazolo[4,5-d]piridazin-4(5H)-on türevlerinin sentezi ve farmakolojik etkilerinin araştırılması, Doctorate, O.ÜNSAL(Student), 2009

BALKAN A., Bazı 5-(4-sübstitüebenziliden)-6-metil-3(4H)-piridazinon türevleri üzerinde çalışmalar, Postgraduate, O.ÜNSAL(Student), 2004

BALKAN A., Yeni bazı izoksazol türevleri üzerinde çalışmalar, Postgraduate, N.PARALI(Student), 1996

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

- I. **Design and Synthesis of 2-Substitutedphenyl Benzo[D]Thiazole Derivatives and Their  $\beta$ -Amyloid Aggregation and Cholinesterase Inhibitory Activities**  
ZENGİN M., Unsal-Tan O., Küçükkılınç T. T. , AYZGÖK B., BALKAN A.  
Pharmaceutical Chemistry Journal, vol.53, no.4, pp.322-328, 2019 (Journal Indexed in SCI Expanded)
- II. **Synthesis, molecular docking, and biological evaluation of novel 2-pyrazoline derivatives as multifunctional agents for the treatment of Alzheimer's disease**  
Unsal-Tan O., Kuecuekkilinc T. T. , AYZGÖK B., BALKAN A., Ozadali-Sari K.  
MedChemComm, vol.10, no.6, pp.1018-1026, 2019 (Journal Indexed in SCI Expanded)
- III. **Novel 2-Arylbenzimidazole derivatives as multi-targeting agents to treat Alzheimer's disease**  
Unsal-Tan O., Ozadali-Sari K., AYZGÖK B., Küçükkılınç T. T. , BALKAN A.  
Medicinal Chemistry Research, vol.26, no.7, pp.1506-1515, 2017 (Journal Indexed in SCI Expanded)
- IV. **Novel multi-targeted agents for Alzheimer's disease: Synthesis, biological evaluation, and molecular modeling of novel 2-[4-(4-substitutedpiperazin-1-yl)phenyl]benzimidazoles**  
Ozadali-Sari K., Tüylü Küçükkılınç T., AYZGÖK B., BALKAN A., Unsal-Tan O.  
Bioorganic Chemistry, vol.72, pp.208-214, 2017 (Journal Indexed in SCI Expanded)
- V. **Novel thiazolidinone-azole hybrids: Design, synthesis and antimycobacterial activity studies**  
EROGLU B., Ozadali-Sari K., Unsal-Tan O., Dharmarajan S., Yogeewari P., BALKAN A.  
Iranian Journal of Pharmaceutical Research, vol.15, no.4, pp.783-790, 2016 (Journal Indexed in SCI)
- VI. **Synthesis and antimycobacterial activities of some new thiazolylhydrazone derivatives**  
Ozadali K., Tan O. U. , Yogeewari P., Dharmarajan S., BALKAN A.  
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.24, no.7, pp.1695-1697, 2014 (Journal Indexed in SCI)
- VII. **Synthesis, molecular modeling and evaluation of novel N '-2-(4-benzylpiperidin-/piperazin-1-yl)acylhydrazone derivatives as dual inhibitors for cholinesterases and A beta aggregation**  
Ozer E. O. , TAN O. U. , Ozadali K., KUCUKKILINC T., BALKAN A., UÇAR G.  
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.23, no.2, pp.440-443, 2013 (Journal Indexed in SCI)
- VIII. **Molecular modeling, synthesis and screening of some new 4-thiazolidinone derivatives with promising selective COX-2 inhibitory activity**  
UNSAL-TAN O., OZADALI K., PISKIN K., BALKAN A.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.57, pp.59-64, 2012 (Journal Indexed in SCI)
- IX. **Synthesis and antimycobacterial activities of some new N-acylhydrazone and thiosemicarbazide derivatives of 6-methyl-4,5-dihydropyridazin-3(2H)-one**  
Tan O. U. , Ozadali K., Yogeewari P., Sriram D., BALKAN A.  
MEDICINAL CHEMISTRY RESEARCH, vol.21, no.9, pp.2388-2394, 2012 (Journal Indexed in SCI)
- X. **Synthesis and evaluation of the analgesic activity of some new isoxazolo[4,5-d]pyridazin-4(5H)-one derivatives**  
Tan O. U. , Ozadali K., Yesilyurt O., Kayir H., Uzbay T., BALKAN A.  
TURKISH JOURNAL OF CHEMISTRY, vol.35, no.1, pp.121-130, 2011 (Journal Indexed in SCI)
- XI. **Synthesis and cyclooxygenase inhibitory activities of some N-acylhydrazone derivatives of isoxazolo[4,5-d]pyridazin-4(5H)-ones**  
UENSAL-TAN O., Oezden K., Rauk A., BALKAN A.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.45, no.6, pp.2345-2352, 2010 (Journal Indexed in SCI)
- XII. **Evaluation of the analgesic and anti-inflammatory activities of some thiazolo[4,5-d]pyrimidines**  
BALKAN A., Gören Z., Urgun H., Çaliş Ü., ÇAKAR A., ATİLLA P., Uzbay T.  
Arzneimittel-Forschung/Drug Research, vol.52, no.6, pp.462-467, 2002 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

- I. **Some New Hydrazone Derivatives Bearing the 1,2,4-Triazole Moiety as Potential Antimycobacterial**

## Agents

ÖZADALI SARI K., ÜNSAL TAN O., Sriram D., BALKAN A.

TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.16, no.4, pp.432-436, 2019 (Journal Indexed in ESCI)

## Books & Book Chapters

### I. Türk Farmakopesi

TUNÇBİLEK M., YEŞİLADA A., BALKAN A., TOZKOPARAN B., PALASKA E., ÖZKANLI F., KÜÇÜKGÜZEL İ., GÖKHAN KELEKÇİ N., ŞİMŞEK R., SARAÇ TARHAN S., et al.

T. C. Sağlık Bakanlığı Türkiye İlaç ve Tıbbi Cihaz Kurumu, Ankara, 2018

## Refereed Congress / Symposium Publications in Proceedings

### I. Studies on Some Benzothiazole Derivatives

ZENGİN M., BALKAN A., ÜNSAL TAN O., TÜYLÜ KÜÇÜKKILINÇ Z. T. , AYAZGÖK B.

12. International Symposium on Pharmaceutical Sciences, ISOPS, Ankara, Turkey, 26 - 29 June 2018

### II. Synthesis and Evaluation of Benzimidazole and 2-pyrazoline Derivatives as Multi-Target-Directed Ligands against Alzheimer's Disease

ÜNSAL TAN O., ÖZADALI SARI K., AYAZGÖK B., TÜYLÜ KÜÇÜKKILINÇ Z. T. , BALKAN A.

12. International Symposium on Pharmaceutical Sciences, ISOPS, Ankara, Turkey, 26 - 29 June 2018

### III. N-ACETYL DERIVATIVES OF 2-PYRAZOLINES AS POTENT MULTI-TARGETING AGENTS FOR ALZHEIMER'S DISEASE

ÖZADALI SARI K., TÜYLÜ KÜÇÜKKILINÇ Z. T. , AYAZGÖK B., BALKAN A., ÜNSAL TAN O.

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

### IV. 4,5-dihydro-1h-pyrazoles as cholinesterase and AB aggregation inhibitors for Alzheimer'xqs disease

TÜYLÜ KÜÇÜKKILINÇ Z. T. , AYAZGÖK B., ÖZADALI SARI K., BALKAN A., ÜNSAL TAN O.

Uluslararası Biyokimya Kongresi 2017- 28. Ulusal Biyokimya kongresi, 19 - 23 September 2017

### V. 4,5-dihydro-1h-pyrazoles as cholinesterase and A $\beta$ aggregation inhibitors for Alzheimer's disease

TÜYLÜ KÜÇÜKKILINÇ Z. T. , AYAZGÖK B., ÖZADALI SARI K., BALKAN A., ÜNSAL TAN O.

28. Ulusal biyokimya Kongresi, Erzurum, Turkey, 19 - 23 September 2017

### VI. Novel benzimidazole derivatives with multi functions on cholinesterase enzymes and neuroprotection

Ayazgök B., Tüylü Küçükılınç Z. T. , Özadalı Sarı K., Ünsal Tan O., Balkan A.

: 15th International Symposium on Cholinergic Mechanisms (ISCM), Marseille, France, 16 - 20 October 2016, vol.142, pp.188

## Supported Projects

BALKAN A., TÜYLÜ KÜÇÜKKILINÇ Z. T. , ÜNSAL TAN O., ZENGİN M., AYAZGÖK B., Project Supported by Higher Education Institutions, 2-Fenilbenzotiyazol Türevleri Üzerinde Çalışmalar, 2018 - 2019

## Citations

Total Citations (WOS):176

h-index (WOS):6