TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES

Editor-in-Chief
Prof. Terken BAYDAR, Ph.D., E.R.T.
ordc.org/0000-0002-5497-9600
Hacettepe University, Faculty of Pharmacy,
Department of Toxicology, Ankara, TURKEY
tbaydar@hacettepe.edu.tr

Associate Editors
Prof. Samiye YABANOĞLU ÇİFTÇİ, Ph.D.
ordc.org/0000-0001-5467-0497
Hacettepe University, Faculty of Pharmacy,
Department of Biochemistry, Ankara, TURKEY
samiye@hacettepe.edu.tr

Editorial Board
Prof. Pınar ERKEKOĞLU, Ph.D., E.R.T.
ordc.org/0000-0003-4713-7672
Hacettepe University, Faculty of Pharmacy,
Department of Toxicology, Ankara, TURKEY
erkekp@hacettepe.edu.tr

Prof. Fernanda BORGES, Ph.D.
ordc.org/0000-0003-1050-2402
Porto University, Faculty of Sciences, Department of Chemistry and Biochemistry, Porto, PORTUGAL
fborges@fc.up.pt

Prof. Bezhan CHANKVETADZE, Ph.D.
ordc.org/0000-0003-2379-9815
Ivane Javakhishvili Tbilisi State University, Institute of Physical and Analytical Chemistry, Tbilisi, GEORGIA
jpba_bezhan@yahoo.com

Prof. Dietmar FUCHS, Ph.D.
ordc.org/0000-0003-1627-9563
Innsbruck Medical University, Center for Chemistry and Biomedicine, Institute of Biological Chemistry, Biocenter, Innsbruck, AUSTRIA
dietmar.fuchs@i-med.ac.at

Prof. Satyajit D. Sarker, Ph.D.
ordc.org/0000-0003-4038-0514
Liverpool John Moores University, Liverpool, UNITED KINGDOM
S.Sarker@ljmu.ac.uk

Prof. Luciano SASO, Ph.D.
ordc.org/0000-0003-4530-8706
Sapienza University, Faculty of Pharmacy and Medicine, Department of Physiology and Pharmacology "Vittorio Ersparmer", Rome, ITALY
luciano.saso@uniroma1.it

Prof. Rob VERPOORTE, Ph.D.
ordc.org/0000-0001-6180-1424
Leiden University, Natural Products Laboratory, Leiden, NETHERLANDS
verpoort@chem.leidenuniv.nl

Prof. Nurettin ABACIOĞLU, Ph.D.
Kyrenia University, Faculty of Pharmacy, Department of Pharmacology, Girne, TRNC, CYPRUS

Prof. Kadriye BENKLİ, Ph.D.
İstinye University, Faculty of Pharmacy, Department of Pharmaceutical Chemistry, Istanbul, TURKEY

Prof. Arzu BEŞİKCİ, Ph.D.
Ankara University, Faculty of Pharmacy, Department of Pharmaceutical Technology, Ankara, TURKEY

Prof. Erem BİLENSOY, Ph.D.
Hacettepe University, Faculty of Pharmacy, Department of Pharmaceutical Technology, Ankara, TURKEY

Prof. Hermann BOLT, Ph.D.
Dortmund University, Leibniz Research Centre, Institute of Occupational Physiology, Dortmund, GERMANY

Prof. Erdal CEVHER, Ph.D.
Istanbul University Faculty of Pharmacy, Department of Pharmaceutical Technology, Istanbul, TURKEY

Assoc. Prof. Hande SİPAHİ, Ph.D.
Yeditepe University, Faculty of Pharmacy, Department of Toxicology, İstanbul, TURKEY

Advisory Board
Prof. Nevin ERK, Ph.D.
Ankara University, Faculty of Pharmacy, Department of Analytical Chemistry, Ankara, TURKEY

Prof. Jean-Alain FEHRENTZ, Ph.D.
Montpellier University, Faculty of Pharmacy, Institute of Biomolecules Max Mousseron, Montpellier, FRANCE

Prof. Joerg KREUTER, Ph.D.
Johann Wolfgang Goethe University, Faculty of Pharmacy, Institute of Pharmaceutical Technology, Frankfurt, GERMANY

Prof. Christine LAFFORQUE, Ph.D.
Paris-Sud University, Faculty of Pharmacy, Department of Dermopharmacology and Cosmetology, Paris, FRANCE

Prof. Şule APİKOĞLU RABUŞ, Ph.D.
Marmara University, Faculty of Pharmacy, Department of Clinical Pharmacy, İstanbul, TURKEY

Prof. Robert RAPOPORT, Ph.D.
Cincinnati University, Faculty of Pharmacy, Department of Pharmacology and Cell Biophysics, Cincinnati, USA

Prof. Wolfgang SADEE, Ph.D.
Ohio State University, Center for Pharmacogenomics, Ohio, USA

Prof. Hildebert WAGNER, Ph.D.
Ludwig-Maximilians University, Center for Pharmaceutical Research, Institute of Pharmacy, Munich, GERMANY

Assoc. Prof. Hande SİPAHİ, Ph.D.
Yeditepe University, Faculty of Pharmacy, Department of Toxicology, İstanbul, TURKEY

Prof. İpek SÜNTAR, Ph.D.
Gazi University, Faculty of Pharmacy, Department of Pharmacognosy, Ankara, TURKEY
The Turkish Journal of Pharmaceutical Sciences is the only scientific periodical publication of the Turkish Pharmacists’ Association and has been published since April 2004. Turkish Journal of Pharmaceutical Sciences journal is regularly published 6 times in a year (February, April, June, August, October, December). The issuing body of the journal is Galenos Yayinevi/Publishing House level. The aim of Turkish Journal of Pharmaceutical Sciences is to publish original research papers of the highest scientific and clinical value at an international level. The target audience includes specialists and professionals in all fields of pharmaceutical sciences. The editorial policies are based on the “Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly Work in Medical Journals (ICMJE Recommendations)” by the International Committee of Medical Journal Editors (2013, archived at http://www.icmje.org/) rules.

Editorial Independence
Turkish Journal of Pharmaceutical Sciences is an independent journal with independent editors and principles and has no commercial relationship with the commercial product, drug or pharmaceutical company regarding decisions and review processes upon articles.

ABSTRACTED/INDEXED IN
PubMed Central
Web of Science-Emerging Sources Citation Index (ESCI)
SCOPUS SJR
TÜBİTAK/ULAKBİM TR Dizin
Directory of Open Access Journals (DOAJ)
ProQuest
Chemical Abstracts Service (CAS)
EBSCO
EMBASE
GALE
Index Copernicus
Analytical Abstracts
International Pharmaceutical Abstracts (IPA)
Medicinal & Aromatic Plants Abstracts (MAPA)
British Library
CSIR INDIA
GOALI
Hitpar
OARE
ARDI
AGORA
Türkiye Atıf Dizini
Türk Medline
UDL-EDGE
J- Gate
Idealonline
ROOTINDEXING
CABI

OPEN ACCESS POLICY
This journal provides immediate open access to its content on the principle that making research freely available to the public supports a greater global exchange of knowledge.
Open Access Policy is based on the rules of the Budapest Open Access Initiative (BOAI) http://www.budapestopenaccessinitiative.org/. By “open access” to peer-reviewed research literature, we mean its free availability on the public internet, permitting any users to read, download, copy, distribute, print, search, or link to the full texts of these articles, crawl them for indexing, pass them as data to software, or use them for any other lawful purpose, without financial, legal, or technical barriers other than those inseparable from gaining access to the internet itself. The only constraint on reproduction and distribution, and the only role for copyright in this domain, should be to give authors control over the integrity of their work and the right to be properly acknowledged and cited.

CORRESPONDENCE ADDRESS
All correspondence should be directed to the Turkish Journal of Pharmaceutical Sciences editorial board;

Post Address: Turkish Pharmacists’ Association, Mustafa Kemal Mah 2147.Sok No:3 06510 Çankaya/Ankara, TURKEY
Phone: +90 (312) 409 81 00
Fax: +90 (312) 409 81 09
Web Page: http://turkjps.org
E-mail: info@galenos.com.tr

ISSUING BODY CORRESPONDING ADDRESS
Issuing Body : Galenos Yayınevi
Address: Molla Gürani Mah. Kaçamak Sok. 21/1 Fındıkzade, Fatih, Istanbul, Turkey
Telephone: +90 212 621 99 25
Fax: +90 212 621 99 27
E-mail: info@galenos.com.tr

MATERIAL DISCLAIMER
The author(s) is (are) responsible for the articles published in the JOURNAL. The editor, editorial board and publisher do not accept any responsibility for the articles.

This work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International License.
INSTRUCTIONS TO AUTHORS

Turkish Journal of Pharmaceutical Sciences journal is published 6 times (February, April, June, August, October, December) per year and publishes the following articles:

- Research articles
- Reviews (only upon the request or consent of the Editorial Board)
- Preliminary results/Short communications/Technical notes/Letters to the Editor in every field of pharmaceutical sciences.

The publication language of the journal is English.

The Turkish Journal of Pharmaceutical Sciences does not charge any article submission or processing charges.

A manuscript will be considered only with the understanding that it is an original contribution that has not been published elsewhere.

The Journal should be abbreviated as “Turk J Pharm Sci” when referenced.

The scientific and ethical liability of the manuscripts belongs to the authors and the copyright of the manuscripts belongs to the Journal. Authors are responsible for the contents of the manuscript and accuracy of the references. All manuscripts submitted for publication must be accompanied by the Copyright Transfer Form [copyright transfer]. Once this form, signed by all the authors, has been submitted, it is understood that neither the manuscript nor the data it contains have been submitted elsewhere or previously published and authors declare the statement of scientific contributions and responsibilities of all authors.

Experimental, clinical and drug studies requiring approval by an ethics committee must be submitted to the JOURNAL with an ethics committee approval report including approval number confirming that the study was conducted in accordance with international agreements and the Declaration of Helsinki (revised 2013) (http://www.wma.net/en/30publications/10policies/b3/). The approval of the ethics committee and the fact that informed consent was given by the patients should be indicated in the Materials and Methods section. In experimental animal studies, the authors should indicate that the procedures followed were in accordance with animal rights as per the Guide for the Care and Use of Laboratory Animals (http://oauuc.od.nih.gov/regs/guide/guide.pdf) and they should obtain animal ethics committee approval.

Authors must provide disclosure/acknowledgment of financial or material support, if any was received, for the current study.

If the article includes any direct or indirect commercial links or if any institution provided material support to the study, authors must state in the cover letter that they have no relationship with the commercial product, drug, pharmaceutical company, etc. concerned; or specify the type of relationship (consultant, other agreements), if any.

Authors must provide a statement on the absence of conflicts of interest among the authors and provide authorship contributions.

All manuscripts submitted to the journal are screened for plagiarism using the ‘iThenticate’ software. Results indicating plagiarism may result in manuscripts being returned or rejected.

The Review Process

This is an independent international journal based on double-blind peer-review principles. The manuscript is assigned to the Editor-in-Chief, who reviews the manuscript and makes an initial decision based on manuscript quality and editorial priorities. Manuscripts that pass initial evaluation are sent for external peer review, and the Editor-in-Chief assigns an Associate Editor. The Associate Editor sends the manuscript to at least two reviewers (internal and/or external reviewers). The Associate Editor recommends a decision based on the reviewers’ recommendations and returns the manuscript to the Editor-in-Chief. The Editor-in-Chief makes a final decision based on editorial priorities, manuscript quality, and reviewer recommendations. If there are any conflicting recommendations from reviewers, the Editor-in-Chief can assign a new reviewer.

The scientific board guiding the selection of the papers to be published in the Journal consists of elected experts of the Journal and if necessary, selected from national and international authorities. The Editor-in-Chief, Associate Editors may make minor corrections to accepted manuscripts that do not change the main text of the paper.

In case of any suspicion or claim regarding scientific shortcomings or ethical infringement, the Journal reserves the right to submit the manuscript to the supporting institutions or other authorities for investigation. The Journal accepts the responsibility of initiating action but does not undertake any responsibility for an actual investigation or any power of decision.


Preparation of research articles, systematic reviews and meta-analyses must comply with study design guidelines:

- STROBE statement, a checklist of items that should be included in reports of observational studies (http://www.strobe-statement.org/);

GENERAL GUIDELINES

Manuscripts can only be submitted electronically through the Journal Agent website (http://journalagent.com/tips/) after creating an account. This system allows online submission and review.
INSTRUCTIONS TO AUTHORS

Format: Manuscripts should be prepared using Microsoft Word, size A4 with 2.5 cm margins on all sides, 12 pt Arial font and 1.5 line spacing.

Abbreviations: Abbreviations should be defined at first mention and used consistently thereafter. Internationally accepted abbreviations should be used; refer to scientific writing guides as necessary.

Cover letter: The cover letter should include statements about manuscript type, single-Journal submission affirmation, conflict of interest statement, sources of outside funding, equipment (if applicable), for original research articles.

ETHICS COMMITTEE APPROVAL

The editorial board and our reviewers systematically ask for ethics committee approval from every research manuscript submitted to the Turkish Journal of Pharmaceutical Sciences. If a submitted manuscript does not have ethical approval, which is necessary for every human or animal experiment as stated in international ethical guidelines, it must be rejected on the first evaluation.

Research involving animals should be conducted with the same rigor as research in humans; the Turkish Journal of Pharmaceutical Sciences asks original approval document to show implements the 3Rs principles. If a study does not have ethics committee approval or authors claim that their study does not need approval, the study is consulted to and evaluated by the editorial board for approval.

SIMILARITY

The Turkish Journal of Pharmaceutical Sciences is routinely looking for similarity index score from every manuscript submitted before evaluation by the editorial board and reviewers. The journal uses iThenticate plagiarism checker software to verify the originality of written work. There is no acceptable similarity index; but, exceptions are made for similarities less than 15 %.

REFERENCES

Authors are solely responsible for the accuracy of all references. In-text citations: References should be indicated as a superscript immediately after the period/full stop of the relevant sentence. If the author(s) of a reference is/are indicated at the beginning of the sentence, this reference should be written as a superscript immediately after the author’s name. If relevant research has been conducted in Turkey or by Turkish investigators, these studies should be given priority while citing the literature.

Presentations presented in congresses, unpublished manuscripts, theses, Internet addresses, and personal interviews or experiences should not be indicated as references. If such references are used, they should be indicated in parentheses at the end of the relevant sentence in the text, without reference number and written in full, in order to clarify their nature.

References section: References should be numbered consecutively in the order in which they are first mentioned in the text. All authors should be listed regardless of number. The titles of Journals should be abbreviated according to the style used in the Index Medicus.

REFERENCE FORMAT

Journal: Last name(s) of the author(s) and initials, article title, publication title and its original abbreviation, publication date, volume, the inclusive page numbers. Example: Collin JR, Rathbun JE. Involutional entropion: a review with evaluation of a procedure. Arch Ophthalmol. 1978;96:1058-1064.

Book: Last name(s) of the author(s) and initials, book title, edition, place of publication, date of publication and inclusive page numbers of the extract cited.


Book Chapter: Last name(s) of the author(s) and initials, chapter title, book editors, book title, edition, place of publication, date of publication and inclusive page numbers of the cited piece.


TABLES, GRAPHICS, FIGURES, AND IMAGES

All visual materials together with their legends should be located on separate pages that follow the main text.

Images: Images (pictures) should be numbered and include a brief title. Permission to reproduce pictures that were published elsewhere must be included. All pictures should be of the highest quality possible, in JPEG format, and at a minimum resolution of 300 dpi.

Tables, Graphics, Figures: All tables, graphics or figures should be enumerated according to their sequence within the text and a brief descriptive caption should be written. Any abbreviations used should be defined in the accompanying legend. Tables in particular should be explanatory and facilitate readers’ understanding of the manuscript, and should not repeat data presented in the main text.

MANUSCRIPT TYPES

Original Articles

Clinical research should comprise clinical observation, new techniques or laboratories studies. Original research articles should include title, structured abstract, key words relevant to the content of the article, introduction, materials and methods, results, discussion, study limitations, conclusion references, tables/figures/images and acknowledgement sections. Title, abstract and key words should be written in both Turkish and English. The manuscript should be formatted in accordance with the above-mentioned guidelines and should not exceed 16 A4 pages.

Title Page: This page should include the title of the manuscript, short title, name(s) of the authors and author information. The following descriptions should be stated in the given order:
INSTRUCTIONS TO AUTHORS

1. Title of the manuscript (Turkish and English), as concise and explanatory as possible, including no abbreviations, up to 135 characters
2. Short title (Turkish and English), up to 60 characters
3. Name(s) and surname(s) of the author(s) (without abbreviations and academic titles) and affiliations
4. Name, address, e-mail, phone and fax number of the corresponding author
5. The place and date of scientific meeting in which the manuscript was presented and its abstract published in the abstract book, if applicable

Abstract: A summary of the manuscript should be written in both Turkish and English. References should not be cited in the abstract. Use of abbreviations should be avoided as much as possible; if any abbreviations are used, they must be taken into consideration independently of the abbreviations used in the text. For original articles, the structured abstract should include the following sub-headings:

- Objectives: The aim of the study should be clearly stated.
- Materials and Methods: The study plan should be clearly described, indicating whether the study is randomized or not, whether it is retrospective or prospective, the number of trials, the characteristics, and the statistical methods used.
- Results: The results of the study should be stated, with tables/figures given in numerical order; the results should be evaluated according to the statistical analysis methods applied. See General Guidelines for details about the preparation of visual material.
- Discussion: The study results should be discussed in terms of their favorable and unfavorable aspects and they should be compared with the literature. The conclusion of the study should be highlighted.
- Study Limitations: Limitations of the study should be discussed. In addition, an evaluation of the implications of the obtained findings/results for future research should be outlined.

Conclusion: The conclusion of the study should be highlighted.

Acknowledgements: Any technical or financial support or editorial contributions (statistical analysis, English/Turkish evaluation) towards the study should appear at the end of the article.

References: Authors are responsible for the accuracy of the references. See General Guidelines for details about the usage and formatting required.

Review Articles

Review articles can address any aspect of clinical or laboratory pharmaceuticals. Review articles must provide critical analyses of contemporary evidence and provide directions of or future research. Most review articles are commissioned, but other review submissions are also welcome. Before sending a review, discussion with the editor is recommended.

Reviews articles analyze topics in depth, independently and objectively. The first chapter should include the title in Turkish and English, an unstructured summary and key words. Source of all citations should be indicated. The entire text should not exceed 25 pages (A4, formatted as specified above).
Letter to Editor

Can Alpha-1 Antitrypsin Levels be Used to Predict the Prognosis of COVID-19 Therapy?

Elif ARAS ATİK, Nesilgül ÖZDEMİR, Kutay DEMİRKAN

Original Articles

Combined Effects of Protocatechuic Acid and 5-Fluorouracil on p53 Gene Expression and Apoptosis in Gastric Adenocarcinoma Cells

Zahra MOTAMEDI, Sayed Asadollah AMINI, Elham RAEISI, Yves LEMOIGNE, Esfandiar HEIDARIAN

The In Vivo Antinociceptive and Antiinflammatory Effects of Verbascum exuberans Hub.-Mor. 

Ersu ÇEVİ, Bilgin KAYGISIZ, Fatma Sultan KILIÇ, Adnan AYHANCI

Development of a New Approach for Standardization of the Herb Centaurium erythraea Rafn by High Performance Liquid Chromatography

Svitlana M. GUBAR, Anna S. MATERIENKO, Nataliia M. SMIELOVA, Liliana G. BUDANOVA, Victoriya A. GEORGIYANTS

Phytobiological-facilitated Production of Silver Nanoparticles From Selected Noncultivated Vegetables in Nigeria and Their Biological Potential

Oluwasesan M. BELLO, Olubunmi Stephen OGUNTOYE, Adewumi Oluwasogo DADA, Oluwatoyin E. BELLO, Tijjani ALHAJI, Oluwatosin ADENIYI

An Investigation on the In Vitro Wound Healing Activity and Phytochemical Composition of Hypericum pseudolaeve N. Robson Growing in Turkey

Bahar KAPTANER İĞCİ, Zeki AYTAÇ

Tualang Honey Improves Memory and Prevents Hippocampal Changes in Prenatally Stressed Rats

Che Badariah ABD AZIZ, Hidani HASIM, Rahimah ZAKARIA, Asma Hayati AHMAD

Evaluation of the Methylation and Acetylation Profiles of Dinitroaniline Herbicides and Resveratrol on the V79 Cell Line

Zehra SARIGÖL KILIÇ, Tuğbagül ÇAL, Ülkü ÜNDEĞER BUCURGAT

A Controlled Release Theophylline Delivery System Based on a Bilayer Floating System

John Afokoghene AVBUNUDIOGBA, Christian Arerusoghene ALALOR, Queen Dorcas OKOLOCHA

A Novel Genotyping Method for Detection of the Muscarinic receptor M1 Gene rs2067477 Polymorphism and Its Genotype/Allele Frequencies in a Turkish Population

Fazile ÖZDEMİR, Yaşğur KIR, Kenan Can TOK, Bora BASKAK, Halit Sinan SÜZEN

Evaluation of the Neurobehavioural Toxic Effects of Taurine, Glucuronolactone, and Gluconolactone Used in Energy Drinks in Young Rats

Revathi BOYINA, Sujatha DODOALA
CONTENTS

667 Antifungal and Antibiofilm Activities of Selective Serotonin Reuptake Inhibitors Alone and in Combination with Fluconazole
Selektif Serotonin Geri Alım Inhibitörlerinin Tek Başına ve Flukonazol ile Kombinasyonlarının Antifungal ve Antibiyofilm Aktiviteleri
Yamaç TEKİNTAŞ, Aybala TEMEL, Ayşegül ATEŞ, Bayrı ERAÇ, Dilek Yeşim METİN, Süleyha HİLMIÖĞLU POLAT, Mine HOŞGÖR LİMONCU

673 In Situ Absorption Study of Acebutolol by Modulating P-glycoprotein with Verapamil in Rats
Sıçanlarda Asebutololün P-glikoprotein ile Modüle Edildiği İn Situ Absorpsiyon Çalışması
Issam Mohammed ABUSHAMMALA, Etham Abed ABUWAKED, Hanan Mohammed FAYYAD, Ahmed Fadel ELQEDRA, Mai Abed Alrahman RAMADAN, Ihab Mustafa ALMASRI

679 Spectrophotometric Determination of Dopamine in Bulk and Dosage Forms Using 2,4-Dinitrophenylhydrazine
2,4-Dintrofenilhidrazin Kullanılarak Dopaminin Yiğin ve Dozaj Formlarının Spektrofotometrik Tayını
Mai Abed Alrahman RAMADAN, Ihab ALMASRI, Ghada KHAYAL

Review

686 New Therapeutic Approaches in Cystic Fibrosis
Kistik Fibroziste Yeni Terapötik Yaklaşımlar
Dolunay Merve FAKIÖGLU, Beril ALTUN

Index

2020 Author Index
2020 Subject Index
2020 Referee Index
Letter to Editor
Can Alpha-1 Antitrypsin Levels be Used to Predict the Prognosis of COVID-19 Therapy?
Elif ARAS ATIK, Nesilgü ÖZDEMİR, Kutay DEMIRKAN

Original Articles
Combined Effects of Protocatechuic Acid and 5-Fluorouracil on p53 Gene Expression and Apoptosis in Gastric Adenocarcinoma Cells
Zahra MOTAMEDI, Sayed Asadollah AMINI, Elham RAESI, Yves LEMOIGNE, Esfandiar HEIDARIAN

The In Vivo Antinociceptive and Antiinflammatory Effects of Verbascum exuberans Hub.-Mor
Esra EYİİŞ, Bilgin KAYGISIZ, Fatma Sultan KILIÇ, Adnan AYHANCI

Development of a New Approach for Standardization of the Herb Centaurea erythraea Rafn. by High Performance Liquid Chromatography
Svitlana M. GUBAR, Anna S. MATERIENKO, Natalia M. SMIELOVA, Liana G. BUDANOVA, Victoriya A. GEORGIYANTS

Phytochemical-facilitated Production of Silver Nanoparticles From Selected Non-cultivated Vegetables in Nigeria and Their Biological Potential
Oluwasegun M. BELLO, Olubunmi Stephen OGUNTOYE, Adewumi Oluwasogo DADA, Oluwatoyin E. BELLO, Tijani ALI, Ahmad Abdullah ALHAJJ, Oluwatosisin ADENIYI

An Investigation on the In Vitro Wound Healing Activity and Phytochemical Composition of Hypericum pseudolaeve N. Robson Growing in Turkey
Bahar KAPTANER İĞCİ, Zeki AYTAÇ

Tualang Honey Improves Memory and Prevents Hippocampal Changes in Prenatally Stressed Rats
Che Badariah ABD AZIZ, Hidani HASIM, Rahimah ZAKARIA, Asma Hayati AHMAD

Evaluation of the Antioxidant Activity of Some Imines Containing 1H-Benzimidazoles
Rahman BAŞARAN, Gülgün KILCIGİL, Benay EKE

Evaluation of the Methylation and Acetylation Profiles of Dinitroaniline Herbicides and Resveratrol on the V79 Cell Line
Zehra SARIGÖL KILIÇ, Tuğbagül ÇAL, Ülku ÜNDEĞER BUCURGAT

Effects of Polyvinylpyrrolidone and Ethyl Cellulose in Polyurethane Electrospun Nanofibers on Morphology and Drug Release Characteristics
Aslı GENÇTÜRK, Emine KAHRAMAN, Sevgi GÜNGÖR, Yıldız ÖZSOY, A. Sezai SARAÇ

A Controlled Release Theophylline Delivery System Based on a Bilayer Floating System
John Afokoghene AVBUNUIDOGBA, Christian Anerusuoghe ALALOR, Queen Dorcas OKOlOCHA

A Novel Genotyping Method for Detection of the Muscarinic Receptor M1 Gene rs2067477 Polymorphism and Its Genotype/Allele Frequencies in a Turkish Population
Fefele ÖZDEMİR, Yağmur KIR, Kenan Can TOK, Bora BASKAK, Halit Sinan SÜZEN

Evaluation of the Neurobehavioural Toxic Effects of Taurine, Glucuronolactone, and Gluconolactone Used in Energy Drinks in Young Rats
Revathi BOYINA, Sujatha DODOALA

Antifungal and Antibiofilm Activities of Selective Serotonin Reuptake Inhibitors Alone and in Combination with Fluconazole
Yamaç TEKINTAŞ, Aybela TEMEL, Ayşeğül ATEŞ, Bayrın ERAÇ, Dilek Yeşim METİN, Süleyha HİLMI ÖGLU POLAT, Mine HOŞGÖR LİMONGCU

In Situ Absorption Study of Acebutolol by Modulating P-glycoprotein with Verapamil in Rats
Issam Mohammed ABUHAMMALA, Elham Abed ABUWAKED, Hanan Mohammed FAYYAD, Ahmed Fadel ELGEDRA, Mai Abed Airahman RAMADAN, Ihab Mustafa ALMASRI

Spectrophotometric Determination of Dopamine in Bulk and Dosage Forms Using 2,4-Dinitrophenylhydrazine
Mai Abed Airahman RAMADAN, Ihab ALMASRI, Ghada KHAYAL

Review
New Therapeutic Approaches in Cystic Fibrosis
Dolunay Merve FAKİOĞLU, Beril ALTUN