Prof. Murat Türkoğlu

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Education Information

Doctorate, University of Cincinnati, College of Pharmacy, Industrial Pharmacy, United States Of America 1988 - 1991
Postgraduate, University of Cincinnati, College of Pharmacy, Industrial Pharmacy, United States Of America 1985 - 1987
Undergraduate, Istanbul Technical University, Kimya-Metalurji, Kimya Mühendisliği, Turkey 1979 - 1983

Research Areas

Health Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2016 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Green Tea Extract Exerts Anabolic Effects on Extracellular Matrix of the Skin**
Turkoglu M., Pekmezci E., Kilic S.
INDIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.82, no.2, pp.368-373, 2020 (SCI-Expanded)

II. **Efficacy of two plant extracts against acne vulgaris: Initial results of microbiological tests and cell culture studies**
Kilic S., ÖKTEM OKULLU S., KURT Ö., Sevinc H., Dundar C., Altinordu F., Turkoglu M.
JOURNAL OF COSMETIC DERMATOLOGY, vol.18, no.4, pp.1061-1065, 2019 (SCI-Expanded)

III. **Effectiveness of topical Nigella sativa for vitiligo treatment**
SARAÇ G., Kapicioglu Y., ŞENER S., MANTAR İ., YOLOĞLU S., Dundar C., Turkoglu M., Pekmezci E.
DERMATOLOGIC THERAPY, vol.32, no.4, 2019 (SCI-Expanded)

IV. **Evaluating antiinflammatory and antiandrogenic effects of garden cress (Lepidium sativum L.) in HaCaT cells**
Türkoğlu M., Kılıç S., Pekmezci E., KARTAL M.
Records of Natural Products, vol.12, no.6, pp.595-601, 2018 (SCI-Expanded)

V. **In vitro evaluation of natural thermal mineral waters in human keratinocyte cells: a preliminary study**
Karagulle M. Z., KARAGÜLLE M., Kilic S., Sevinc H., Dundar C., Turkoglu M.

INTERNATIONAL JOURNAL OF BIOMETEOROLOGY, vol.62, no.9, pp.1657-1661, 2018 (SCI-Expanded)

VI. **Minoxidil Acts as an Antiandrogen: A Study of 5α-reductase Type 2 Gene Expression in a Human Keratinocyte Cell Line.**
Pekmezci E., Türkoğlu M.
Acta dermatovenerologica Croatica : ADC, vol.25, no.4, pp.271-275, 2017 (SCI-Expanded)

VII. **Effect of Ficus carica leaf extract on the gene expression of selected factors in HaCaT cells**
Turkoglu M., Pekmezci E., Kilic S., Dundar C., Sevinc H.
JOURNAL OF COSMETIC DERMATOLOGY, vol.16, no.4, 2017 (SCI-Expanded)

VIII. **Chondroprotective effects of a new glucosamine combination in rats: Gene expression, biochemical and histopathological evaluation**
ÜÇÜNCÜ Y., Celik N., Ozturk C., Turkoglu M., Cetin N., KOÇKARA N., Sener E., Dundar C., Arslan A., DOĞAN H., et al.
LIFE SCIENCES, vol.130, pp.31-37, 2015 (SCI-Expanded)

IX. **In vitro evaluation of compression-coated glycyl-l-histidyl-l-lysineCu(II) (GHKCu 2+)-loaded microparticles for colonic drug delivery**
UĞURLU T., Trkoğlu M., Özaydiin T.
Drug Development and Industrial Pharmacy, vol.37, no.11, pp.1282-1289, 2011 (SCI-Expanded)

X. **Scintigraphic evaluation of colon targeting pectin-HPMC tablets in healthy volunteers**
Hodges L. A., Connolly S. M., Band J., O'Mahony B., UĞURLU T., Turkoglu M., Wilson C. G., Stevens H. N. E.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.370, pp.144-150, 2009 (SCI-Expanded)

XI. **Hexagonal boron nitride as a tablet lubricant and a comparison with conventional lubricants**
UĞURLU T., Turkoglu M.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.353, pp.45-51, 2008 (SCI-Expanded)

XII. **Colonic delivery of compression coated nisin tablets using pectin/HPMC polymer mixture**
Ugurlu T., Turkoglu M., Gurer U. S., Akarsu B. G.
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, vol.67, no.1, pp.202-210, 2007 (SCI-Expanded)

XIII. **Evaluation of hexagonal boron nitride as a new tablet lubricant**
Turkoglu M., Sahin I., San T.
Pharmaceutical Development and Technology, vol.10, no.3, pp.381-388, 2005 (SCI-Expanded)

XIV. **Tableting and stability evaluation of enteric-coated omeprazole pellets**
Turkoglu M., Varol H., Celikok M.
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, vol.57, no.2, pp.279-286, 2004 (SCI-Expanded)

XV. **In vitro evaluation of pectin-HPMC compression coated 5-aminosalicylic acid tablets for colonic delivery**
Turkoglu M., Ugurlu T.
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, vol.53, no.1, pp.65-73, 2002 (SCI-Expanded)

XVI. **Modelling of the solvent evaporation method for the preparation of controlled release acrylic microspheres using neural networks**
YÜKSEL N., Turkoglu M., Baykara T.
Journal of Microencapsulation, vol.17, no.5, pp.541-551, 2000 (SCI-Expanded)

XVII. **Modeling of a roller-compaction process using neural networks and genetic algorithms**
Turkoglu M., Aydin I., Murray M., Sakr A.
EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS, vol.48, no.3, pp.239-245, 1999 (SCI-Expanded)

XVIII. **MATHEMATICAL-MODELING AND OPTIMIZATION OF A ROTARY FLUIDIZED-BED COATING PROCESS**
TURKOGLU M., SAKR A.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.88, pp.75-87, 1992 (SCI-Expanded)

Articles Published in Other Journals

I. **URTICA DIOICA EXTRACT DOWNREGULATES THE GENE EXPRESSION OF 5A-RII IN HACAT CELLS: POSSIBLE IMPLICATIONS AGAINST ANDROGENIC SKIN DISEASES.**
Pekmezci E., Türkoğlu M.
Georgian medical news, vol.334, no.1, pp.6-9, 2023 (Scopus)

II. **A proprietary herbal extract against hair loss in androgenetic alopecia and telogen effluvium: a placebo-controlled, single-blind, clinical-instrumental study.**
Pekmezci E., Dündar C., Türkoğlu M.
Acta dermatovenerologica Alpina, Pannonica, et Adriatica, vol.27, no.2, pp.51-57, 2018 (Scopus)

III. **Minoxidil downregulates Interleukin-1 alpha gene expression in HaCaT cells**
Pekmezci E., Turkoğlu M., Gökalp H., Kutlubay Z.
International Journal of Trichology, vol.10, no.3, pp.108-112, 2018 (Scopus)

IV. **Proprietary Herbal Extract Downregulates the Gene Expression of IL-1α in HaCaT Cells: Possible Implications Against Nonscarring Alopecia**
Pekmezci E., Dundar C., Turkoglu M.
Medical archives (Sarajevo, Bosnia and Herzegovina), vol.72, no.2, pp.136-140, 2018 (Scopus)

V. **In vivo evaluation of black and green tea dermal products against UV radiation.**
Türkoğlu M., Uğurlu T., Gedik G., Yılmaz A. M., Süha Yalçin A.
Drug discoveries & therapeutics, vol.4, no.5, pp.362-7, 2010 (Scopus)

VI. **Effects of lubricants on binary direct compression mixtures.**
Uğurlu T., Halaçoğlu M. D., Türkoğlu M.
Drug discoveries & therapeutics, vol.4, no.2, pp.123-8, 2010 (Scopus)

VII. **Evaluation of black tea gel and its protection potential against UV**
Turkoglu M., Cigirgil N.
International Journal of Cosmetic Science, vol.29, no.6, pp.437-442, 2007 (Scopus)

VIII. **Evaluation of irritation potential of surfactant mixtures**
Turkoglu M., Pekmezci E., Sakr A.
International Journal of Cosmetic Science, vol.21, no.6, pp.371-382, 1999 (Scopus)

IX. **Design and in vivo evaluation of ultrafine inorganic-oxide-containing-sunscreen formulations**
Türkoğlu M., Yener S.
International Journal of Cosmetic Science, vol.19, no.4, pp.193-201, 1997 (Scopus)

Metrics

Publication: 27
Citation (WoS): 322
Citation (Scopus): 640
H-Index (WoS): 9
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