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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: DRJ-7812-2022

Yoksis Researcher ID: 186362

Education Information

Doctorate, Marmara University, Institute Of Health Sciences, Department Of Biophysics, Turkey 2012 - 2021

Postgraduate, Kütahya Dumlupinar University, Turkey 2009 - 2012

Undergraduate, Kütahya Dumlupinar University, Biyoloji, Turkey 2005 - 2009

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Health&Medicine, Training Certificate, IBILI - Institute of Biomedical Imaging and Life Sciences Faculty of Medicine of University of Coimbra, 2015

Dissertations

Doctorate, Investigation of the Effects of Etodolac and Its Derivatives on Cyclooxygenase (COX-2) Synthesis in Cancer Cell Lines, Marmara University, Institute Of Health Sciences, Department Of Biophysics, 2021

Research Areas

Health Sciences, Fundamental Medical Sciences, Biophysics

Academic Titles / Tasks

Research Assistant PhD, Kütahya Health Sciences University, Tıp Fakültesi, Temel Tıp Bilimleri, 2013 - Continues

Research Assistant, Marmara University, School Of Medicine, Basic Medical Sciences, 2013 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Apoptotic and antiproliferative effects of *Urtica dioica* L. extract on K562 chronic myeloid leukemia cell line**
Koçyiğit Sevinç S., Karadeniz M., Şen A., Orun O., Göger F., Bagatur İ. H., Olgac E., Kırmacı M. R., Tuyan M. E., Yalman U., et al.
INDIAN JOURNAL OF EXPERIMENTAL BIOLOGY, vol.61, pp.833-842, 2023 (SCI-Expanded)
- II. **Evaluation of Hydrazide-hydrazone and 4-thiazolidinone Derivatives of Etodolac as Potential Anticancer Agents in Leukemia Cells**
Mega Tiber P., Averberk S., Koçyiğit Sevinç S., Kiliç O., Çikla Süzgün P., Küçükgülzel Ş. G., Orun O.
LETTERS IN DRUG DESIGN AND DISCOVERY, vol.1, pp.1-11, 2023 (SCI-Expanded)
- III. **Synthesis and molecular modeling of MetAP2 of thiosemicarbazides, 1,2,4-triazoles, thioethers derived from (S)-Naproxen as possible breast cancer agents**
Birgül K., Uba A. I., Çuhadar O., Sevinç S., Tiryaki S., Tiber P. M., Orun O., Telci D., Yılmaz Ö., Yeleği K., et al.
Journal of Molecular Structure, vol.1259, 2022 (SCI-Expanded)
- IV. **Biological effects of whole *Z.Officinale* extract on chronic myeloid leukemia cell line K562**
MEGA TİBER P., KOÇYIĞIT SEVINÇ S., KILINÇ O., ORUN O.
Gene, vol.692, pp.217-222, 2019 (SCI-Expanded)
- V. **The interactions of human ovarian cancer cells and nanotextured surfaces: Cell attachment, viability and apoptosis studies**
YAŞAYAN G., ORUN O., MEGA TİBER P., ROZMAN V., KOÇYIĞIT SEVINÇ S.
RSC Advances, vol.9, no.45, pp.25957-25966, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of the Effects of SOD1 +35A/C and GPx-3 +1494A/G Gene Polymorphisms in Patients with Acne Vulgaris**
Yükçü F., Akcılar R., Dizen Namdar N., Koçyiğit Sevinç S., Arslan Utku S.
Journal of clinical practice and research, vol.46, no.2, pp.161-170, 2024 (ESCI)
- II. **Effect of flurbiprofen derivative (SGK597) on cell proliferation and apoptosis of breast cancer cell lines**
Atlıhan İ., Koçyiğit Sevinç S., Orun O., Yılmaz Ö., Küçükgülzel Ş. G., Mega Tiber P.
Istanbul Journal of Pharmacy, vol.52, pp.265-270, 2022 (ESCI)
- III. **Anti-Cancer Activity of Etodolac and Its Derivatives on Prostate and Colorectal Cancer Cell Lines**
Koçyiğit Sevinç S., Orun O., Mega Tiber P., Süzgün P., Küçükgülzel Ş. G.
PROCEEDINGS (MDPI), vol.2, no.25, pp.1573, 2018 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **APOPTOTIC EFFECTS OF ETODOLAC IN BREAST CANCER CELL CULTURES**
ORUN O., MEGA TİBER P., KOÇYIĞIT SEVINÇ S.
in: Nonsteroidal Anti-Inflammatory Drugs, Ali Gamal Ahmed Al-kaf, Editor, IntechOpen, Rijeka, pp.133-151, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **DETERMINATION OF ANTICANCER EFFECT OF FLURBIPROFEN DERIVATIVE SGK597 COMPOUND IN BREAST CANCER CELL LINES**
ATLIHAN İ., KOÇYIĞIT SEVINÇ S., ORUN O., KÜÇÜKGÜZEL Ş. G., MEGA TİBER P.
8th Multidisciplinary Cancer Research Congress, İstanbul, Turkey, 16 - 17 January 2021, pp.125
- II. **Isırgan Otu Bitkisi OVCAR-3 Yumurta Kanseri Hücre Hatlarının Çoğalmasını İnhibe Ederken Apoptoza**

Neden Olmaktadır

MEGA TİBER P., KOÇYİĞİT SEVİNÇ S., ORUN O., ŞEN A.

31. Ulusal Biyofizik Kongresi, Turkey, 9 - 12 October 2019

III. Anti-cancer activity of *Urtica dioica* extract in ovarian cancer cells

MEGA TİBER P., KOÇYİĞİT SEVİNÇ S., ORUN O., ŞEN A.

Cell Death: Degeneration and Regeneration Symposium-Turkey, 3 - 05 October 2019

IV. *Urtica dioica* extract inhibits proliferation and induces apoptosis of K562 erythrocyte cell lines

MEGA TİBER P., KARADENİZ M., KOÇYİĞİT SEVİNÇ S., ŞEN A., ORUN O.

INTERNATIONAL MOLECULAR MEDICINE SYMPOSIUM by the Bosphorus, 16 - 18 May 2019

V. Apoptotic effect of etodolac and its derivative on breast cancer cell line

KOÇYİĞİT SEVİNÇ S., ORUN O., MEGA TİBER P., SÜZGÜN P., KÜÇÜKGÜZEL Ş. G.

International Congress on Biological and Medical Sciences 2018, Niğde, Turkey, 31 October - 03 November 2018

VI. Synthesis and Molecular Modeling of New (S)-Naproxen Thioethers as Possible Breast Cancer Agents

BİRGÜL K., UB A. I., ÇUHADAR O., KOÇYİĞİT SEVİNÇ S., MEGA TİBER P., ORUN O., YILMAZ Ö., KÜÇÜKGÜZEL Ş. G.

6th International BAU Drug Design Congress, 13 - 15 December 2018

VII. Anti-Cancer Activity of Etodolac and Its Derivatives on Prostate and Colorectal Cancer Cell Lines

KOÇYİĞİT SEVİNÇ S., ORUN O., MEGA TİBER P., SÜZGÜN P., KÜÇÜKGÜZEL Ş. G.

The 2nd International Cell Death Research Congress, 1 - 04 November 2018

VIII. (S)-Naproxen'den Türeyan 1,2,4-Triazol ve Tiyoeter Bileşiklerinin Sentezi ve Meme Kanseri Üzerinde Antikanser Etkileri

BİRGÜL K., UBA A. I., ÇUHADAR O., KOÇYİĞİT SEVİNÇ S., MEGA TİBER P., ORUN O., YILMAZ Ö., YELEKÇİ K., KÜÇÜKGÜZEL Ş. G.

2. Ulusal Marmara Eczacılık Kongresi, İstanbul, Turkey, 14 - 16 November 2018, pp.160-161

IX. Anticancer activity of Rosemary *Officinalis* L. essential oil in ovarian cancer cell line

KILINÇ O., MEGA TİBER P., ORUN O., KOÇYİĞİT SEVİNÇ S.

1. International Health Sciences Congress, 23 - 25 November 2017

X. Modulation of Cancer Cell Behavior by Nanotexturing

YAŞAYAN G., ORUN O., MEGA TİBER P., KOÇYİĞİT SEVİNÇ S.

International Meeting on Education and Research in Health Sciences (IMER-HS), İstanbul, Turkey, 3 - 05 November 2017

XI. Apoptotic Effect of Etodolac and its derivatives on Breast Cancer Cell line

KOÇYİĞİT SEVİNÇ S., ORUN O., MEGA TİBER P., SÜZGÜN P., KÜÇÜKGÜZEL Ş. G.

International Meeting on Education and Research in Health Sciences, 3 - 05 November 2017

XII. Cytotoxic effect of etodolac and its derivatives on prostate cancer cell line

KOÇYİĞİT SEVİNÇ S., ORUN O., MEGA TİBER P., SÜZGÜN P., KÜÇÜKGÜZEL Ş. G.

28-29. Ulusal Biyofizik Kongresi, İstanbul, Turkey, 6 - 09 September 2017

XIII. APOPTOTIC EFFECT OF GINGER (*zingiber officinale*) ON K562 LEUKEMIA CELL LINES

KOÇYİĞİT SEVİNÇ S., MEGA TİBER P., ORUN O.

I. International Congress on Medicinal and Aromatic Plants "Natural and Healthy Life", 9 - 12 May 2017

XIV. Gene regulations upon etodolac induced apoptosis in breast cancer cell cultures

KOÇYİĞİT SEVİNÇ S., MEGA TİBER P., ORUN O.

IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017

XV. Cytotoxic effects of etodolac in breast cancer cell cultures

KOÇYİĞİT SEVİNÇ S., MEGA TİBER P., ORUN O.

IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017

XVI. Effects of etodolac derivative compound, SGK 216, on oxidative stress-induced cell apoptosis in human leukemia cell line

MEGA TİBER P., KOÇYİĞİT SEVİNÇ S., SÜZGÜN P., KÜÇÜKGÜZEL Ş. G., ORUN O.

6st World Congress of Oxidative Stress Calcium Signaling and TRP Channels, Isparta, Turkey, 24 - 27 May 2016, vol.8, pp.145-146

- XVII. **Characterization of the effect of several etodolac derivatives on cancer cell lines**
KOÇYIĞIT SEVİNÇ S., MEGA TİBER P., SÜZGÜN P., KÜÇÜKGÜZEL Ş. G., ORUN O.
1st International Cell Death Research Congress, Poster, 2016, Dokuz Eylül Üniversitesi, İzmir, Turkey, 4 - 07 May 2016, vol.41, pp.156
- XVIII. **Anti-cancer activity of a hydrazone derivative of etodolac in K562 leukemia cell lines**
YONAR KAPLAN P., KOÇYIĞIT SEVİNÇ S., MEGA TİBER P., SÜZGÜN P., ORUN O.
1st International Cell Death Research Congress, İzmir, Turkey, 4 - 07 May 2016, vol.41, pp.161
- XIX. **Proliferative effects of two etodolac derivatives, SGK-206 and SGK-242, on breast cancer cell lines**
ORUN O., KOÇYIĞIT SEVİNÇ S., MEGA TİBER P., SÜZGÜN P., KÜÇÜKGÜZEL Ş. G.
3rd ANTICANCER AGENT Development Congress, İzmir, Turkey, 18 - 19 May 2015, pp.154

Supported Projects

KOÇYIĞIT SEVİNÇ S., YÜKÇÜ F., KÜÇÜKGÜZEL Ş. G., Project Supported by Higher Education Institutions, 2-PİRAZOLİN-5-ON TÜREVİ BİLEŞİĞİN MEME KANSERİ HÜCRELERİ ÜZERİNDEKİ ANTİPROLİFERATİF VE APOPTOTİK ETKİLERİNİN ARAŞTIRILMASI, 2023 - Continues

YÜKÇÜ F., AKCILAR R., DİZEN NAMDAR N., KOÇYIĞIT SEVİNÇ S., TAŞAR M., Project Supported by Higher Education Institutions, Alopesi Areata Hastalarında Vaspın ve Visfatin 4689GT Gen Polimorfizmlerinin Araştırılması, 2022 - 2023
Orun O., Koçyiğit Sevinç S., Project Supported by Higher Education Institutions, Investigation of the Effects of Etodolac and Its Derivatives on Cyclooxygenase (COX-2) Synthesis in Cancer Cell Lines, 2014 - 2021

Orun O., Mega Tiber P., Koçyiğit Sevinç S., Project Supported by Higher Education Institutions, 2015 - 2016

Metrics

Publication: 28

Citation (WoS): 18

Citation (Scopus): 13

H-Index (WoS): 3

H-Index (Scopus): 3

Non Academic Experience

Biophysics and Biomathematics Institute, IBILI-Faculty of Medicine of University of Coimbra, Portugal