

Asst. Prof. ONUR UYSAL

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: W-4144-2017

Yoksis Researcher ID: 13685



Education Information

1995 - 2002	Doctorate, Eskisehir Osmangazi University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Histoloji Ve Embriyoloji (Dr), Turkey
1992 - 1995	Postgraduate, Eskisehir Osmangazi University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Histoloji Ve Embriyoloji (Y) (Tezli), Turkey
1988 - 1992	Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, Turkey

Foreign Languages

English, B2 Upper Intermediate

Dissertations

2002	İnsan plasenta villuslarında enzim aktivitelerinin histokimyasal olarak belirlenmesi, Eskisehir Osmangazi University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Histoloji Ve Embriyoloji (Dr), Doctorate
1995	Gıda renklendiricilerinden Eritrosin'in teratojenik etkileri ve atopik hastalıkların etiolojisindeki rolü, Eskisehir Osmangazi University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Histoloji Ve Embriyoloji (Y) (Tezli), Postgraduate

Research Areas

Health Sciences

Academic Titles / Tasks

2008 - Continues	Assistant Professor, Eskisehir Osmangazi University, SAĞLIK HİZMETLERİ MESLEK YÜKSEKOKULU, TIBBİ HİZMETLER VE TEKNİKLER BÖLÜMÜ
1992 - 2008	Research Assistant, Eskisehir Osmangazi University, SAĞLIK HİZMETLERİ MESLEK YÜKSEKOKULU, TIBBİ HİZMETLER VE TEKNİKLER BÖLÜMÜ

Courses

2017 - 2018	UZMANLIK ALAN DERSİ, Postgraduate
2017 - 2018	TRANSLASYONEL KÖK HÜCRE TIBBI, Doctorate
2017 - 2018	ERİŞKİN KÖK HÜCRE BİYOLOJİSİ, Postgraduate

2017 - 2018	İM ÜRETİM UYGULAMALARINDA KÖK HÜCRE DİZİLERİ, Doctorate
2017 - 2018	KÖK HÜCRE VE GELİŞİMSEL SÜREÇ, Postgraduate
2017 - 2018	SEMİNER, Postgraduate
2017 - 2018	KANSER KÖK HÜCRE BİYOLOJİSİ, Doctorate
2017 - 2018, 2016 - 2017	HİSTOLOJİ VE EMBRİYOLOJİ, Associate Degree
2017 - 2018	YÜKSEK LİSANS TEZ ÇALIŞMASI, Postgraduate
2017 - 2018	KÖK HÜCRELERİN GENOM REGÜLASYONU, Doctorate
2017 - 2018	KÖK HÜCRE YAŞLANMASI VE İMMORTALİZASYON, Doctorate
2017 - 2018	KÖK HÜCRE MİKROÇEVRESİ, Doctorate
2017 - 2018	KÖK HÜCRE FARKLILAŞMASI, Doctorate

Taught Courses And Trainings

2020 - 2020	Eker Sarıboyacı A., Uysal O., Adipoz tissue derived stem cell isolation
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Designed Programs

2017 - Continues	Eker Sarıboyacı A., Uysal O., Postgraduate, Stem Cell Doctorate Program
2017 - Continues	Eker Sarıboyacı A., Uysal O., Undergraduate Double Major, Stem Cell Graduate Program

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Electrosprayed MnFe₂O₄/PVDF membrane integrated microfluidic chip for amoxicillin removal with real-time monitoring of pH and dissolved oxygen**
DABAGH S., Javanifar R., Kaya M., Ebrahimi A., Guven S., Kaya B. M., Esenturk O., AŞKIN A., DOĞAN GÜZEL F., UYSAL O., et al.
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.12, no.6, 2024 (SCI-Expanded)
- II. **Improving the Bioactivity and Antibiofilm Properties of Metallic Implant Materials via Controlled Surface Microdeformation**
BİÇER F., TOKER S. M., Soykan M. N., Yılmaz B. T., YENİCE GÜRSU B., UYSAL O.
ACS OMEGA, vol.9, no.42, pp.43138-43155, 2024 (SCI-Expanded)
- III. **Differentiation of neural stem cells from human olfactory mucosa into dopaminergic neuron-like cells**
Ertem T., UYSAL O.
IUBMB Life, vol.76, no.9, pp.697-711, 2024 (SCI-Expanded)
- IV. **Comparison of exosomes secreted by synovial fluid-derived mesenchymal stem cells and adipose tissue-derived mesenchymal stem cells in culture for microRNA-127-5p expression during chondrogenesis**
Semerci Sevimli T., Sevimli M., Qomi Ekenel E., Altuğ Tasa B., Nur Soykan M., Demir Güçlüer Z., İnan U., Uysal O., Güneş Bağış S., Çemrek F., et al.
GENE, vol.865, 2023 (SCI-Expanded)
- V. **The potential therapeutic effect of klotho on cell viability in human colorectal adenocarcinoma HT-29 cells**
EKER SARIBOYACI A., UYSAL O., Soykan M. N., Gunes S.
Medical Oncology, vol.39, no.12, 2022 (SCI-Expanded)
- VI. **Effect of chronic alcohol consumption on myocardial apoptosis in the rat model of isoproterenol-induced myocardial injury and investigation on the cardioprotective role of calpain inhibitor 1**
Oglakci-Ilhan A., Kusat-Ol K., Uzuner K., Uysal O., Sogut I., Yücel F., Kanbak G.

DRUG AND CHEMICAL TOXICOLOGY, vol.45, no.6, pp.2727-2738, 2022 (SCI-Expanded)

VII. **Enhancement of Apo2L/TRAIL signaling pathway receptors by the activation of Klotho gene with CRISPR/Cas9 in Caco-2 colon cancer cells**

Güneş S., Soykan M. N., Eker Sarıboyacı A., Uysal O., Sevimli T. S.

MEDICAL ONCOLOGY, vol.38, no.12, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of Apoptotic Effect of Klotho Protein on Human Colorectal Cancer Cells via TRAIL Death Receptors**
GÜNEŞ BAĞIŞ S., UYSAL O., M. N. S., EKER SARIBOYACI A.
Adıyaman Üniversitesi Fen Bilimleri Dergisi, vol.12, no.2, pp.324-337, 2022 (Scopus)
- II. **Rekombinant klotho proteininin insan kolorektal kanser hücreleri üzerindeki apoptotik etkilerinin değerlendirilmesi**
AKYILDIZ ÜSTÜNER D., BAĞIŞ S. G., EKER SARIBOYACI A., UYSAL O., SEMERCİ SEVİMLİ T., M. N. S.
BIOLOGICAL DIVERSITY AND CONSERVATION, vol.15, no.2, pp.134-142, 2022 (Peer-Reviewed Journal)
- III. **Design Alginate Based Blends for Living Composite Fibers to Promote Wound Healing**
Özel C., Şengel T., Ebrahimi A., Apaydın E., Ghorbanpoor H., Eker Sarıboyacı A., Uysal O., Özkurt M., Avcı H.
Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering, vol.22, no.SPECIAL ISSUE 2021, pp.98-111, 2021 (Peer-Reviewed Journal)
- IV. **Investigation of 3D Culture of Human Adipose Tissue-Derived Mesenchymal Stem Cells in a Microfluidic Platform**
Özel C., Koç Y., Topal A. E., Ebrahimi A., Şengel T., Ghorbanpoor H., Doğan Güzel F., Uysal O., Eker Sarıboyacı A., Avcı H.
Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering, vol.22, no.SPECIAL ISSUE 2021, pp.85-97, 2021 (Peer-Reviewed Journal)
- V. **Differentiation of human bone marrow-derived mesenchymal stem cells into functional pancreatic beta cells**
Eker Sarıboyacı A., Uysal O., Güneş S.
Medicine Science, vol.10, no.3, pp.951-958, 2021 (Peer-Reviewed Journal)
- VI. **Four-Dimensional Printing Technology at the Frontier of Advanced Modeling and Applications in Brain Tissue Engineering**
SOYKAN M. N., ŞENGEL T., Ebrahimi A., ALTUĞ TASA B., GHORBANPOOR H., UYSAL O., EKER SARIBOYACI A., AVCI H.
Journal of Medical Innovation and Technology, vol.3, no.2, pp.46-57, 2021 (Peer-Reviewed Journal)
- VII. **Teratogenic effects and the role in the etiology of atopic diseases of erythrosine FD C Red No 3**
UYSAL O., Aral E.
Turkish Journal Of Medical Sciences, vol.28, no.4, pp.363-368, 1998 (Scopus)

Books & Book Chapters

- I. **Polimerlerin Kök Hücre Tedavilerinde ve Kök Hücre Doku Mühendisliğinde Kullanımı**
SEMERCİ SEVİMLİ T., GÜNEŞ S., SEVİMLİ M., UYSAL O., EKER SARIBOYACI A.
in: Polimerler: Özellikleri ve Uygulamaları, HÜSEYİN AVCI, Editor, ESKİŞEHİR OSMANGAZİ ÜNİVERSİTESİ YAYINEVİ, Eskişehir, pp.252-269, 2021
- II. **BÖLÜM XIII: KÖK HÜCRELER**
Güneş S., Uysal O., Semerci Sevimli T., Sevimli M., Tokhı A. F., Eker Sarıboyacı A.
in: POLİMERLER: ÖZELLİKLERİ VE UYGULAMALARI, AVCI HÜSEYİN, Editor, ESKİŞEHİR OSMANGAZİ ÜNİVERSİTESİ YAYINLARI, Eskişehir, pp.291-318, 2021
- III. **BÖLÜM X: POLİMERLERİN KÖK HÜCRE TEDAVİLERİNDE VE KÖK HÜCRE DOKU MÜHENDİSLİĞİNDE**

KULLANIMI

Semerci Sevimli T., Güneş S., Sevimli M., Uysal O., Eker Sarıboyacı A.

in: POLİMERLER: ÖZELLİKLERİ VE UYGULAMALARI, AVCI HÜSEYİN, Editor, ESKİŞEHİR OSMANGAZİ ÜNİVERSİTESİ YAYINLARI, Eskişehir, pp.225-240, 2021

IV. Kök Hücreler

GÜNEŞ S., UYSAL O., SEMERCİ SEVİMLİ T., SEVİMLİ M., Tokhi A. F., EKER SARIBOYACI A.

in: Polimerler: Özellikleri ve Uygulamaları, HÜSEYİN AVCI, Editor, ESOGÜ KİTABEVİ, Eskişehir, pp.325-348, 2021

V. Polimerlerin Kök Hücre Tedavilerinde ve Kök Hücre Doku Mühendisliğinde Kullanımı

SEMERCİ SEVİMLİ T., GÜNEŞ S., SEVİMLİ M., UYSAL O., EKER SARIBOYACI A.

in: POLİMERLER: ÖZELLİKLERİ VE UYGULAMALARI, HÜSEYİN AVCI, Editor, ESOGÜ Basımevi, Eskişehir, pp.252-269, 2021

VI. Kök Hücreler

GÜNEŞ S., UYSAL O., SEMERCİ SEVİMLİ T., SEVİMLİ M., TOKHI F. A., EKER SARIBOYACI A.

in: POLİMERLER: ÖZELLİKLERİ VE UYGULAMALARI, Avcı Hüseyin, Editor, ESOGÜ, Eskişehir, pp.325-356, 2021

VII. Cell and Tissue Culture: The Base of Biotechnology.

Uysal O., Semerci Sevimli T., Sevimli M., Güneş S., Eker Sarıboyacı A.

in: Omics Technologies And Bio-engineering Towards Improving Quality Of Life. Volume 1: Emerging Fields, Animal and Medical Biotechnologies., Debmalya Bahr, Vasco Azevedo, Editor, Elsevier Science, Oxford/Amsterdam , London, pp.391-427, 2018

Refereed Congress / Symposium Publications in Proceedings

I. Investigation of vascular damage in liver-cancer-on-chip model.

GASIMZADE, N., Özel C., Tomsuk Ö., Ebrahimi A., GHORBANPOOR H., ABDULLAYEVA, N., EKER SARIBOYACI A., UYSAL O., AVCI H.

6th international eurasian conference on biological and chemical sciences eurasianbiochem, 11 - 13 October 2023

II. Immunomodulatory properties of Wharton Jelly Derived Mesenchymal Stem Cell

Gakhiyeva F., Eker Sarıboyacı A., Uysal O., Güneş Bağış S., Velipaşaoğlu M., Altuğ Tasa B., Soykan M. N.

6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023), Ankara, Turkey, 11 October 2023

III. Isolation, Characterization, and Three-Dimensional Culture of Gemcitabine-Resistant CD326+CD133+CD44+ Lung Cancer Stem Cells Derived from A549 Cancer Cell Line

DEMİR CEVİZLİDERE B., UYSAL O., AVCI H., GÜNEŞ BAĞIŞ S., SEMERCİ SEVİMLİ T., DİNCER M., GHORBANI A., BÜYÜKKÖROĞLU G., EKER SARIBOYACI A.

6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023), Ankara, Turkey, 11 October 2023

IV. Investigation of miRNA 200 Family Expression Profile in Non-Small Cell Lung Cancer Cell-Derived Cancer Stem Cells

TOMSUK Ö., EKENEL E., UYSAL O., EKER SARIBOYACI A., GÜNEŞ BAĞIŞ S., SEMERCİ SEVİMLİ T., SOYKAN M. N., DEMİR CEVİZLİDERE B., Ghorbani A., ÇEMREK F.

4. Uluslararası Avrasya Fen, Mühendislik ve Teknoloji Konferansı (EurasianSciEnTech 2022), Turkey, 14 - 16 December 2022

V. Investigation of the cytotoxic and apoptotic effect of 6-gingerol in MCF-7 (breast) and A549 (lung) cell lines

Tomsuk Ö., UYSAL O., ŞAHİNTÜRK V., EKER SARIBOYACI A., GÜNEŞ BAĞIŞ S., M. N. S.

4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), Ankara, Turkey, 14 - 16 December 2022

VI. RELATIVE GENE EXPRESSION ANALYSIS OF MICRO RNA 155 and TGF-β/SMAD SIGNALING PATHWAY IN SYNOVIAL FLUID DERIVED MESENCHYMAL STEM CELLS AND ITS EXOSOMES

Erybeh H., CANBEK M., UYSAL O., EKER SARIBOYACI A., SEMERCİ SEVİMLİ T.

ISPEC 2. ULUSLARARASI TIP VE SAĞLIK BİLİMLERİ KONGRESİ, Turkey, 18 - 20 September 2021

- VII. **Relative Gene Expression Analysis of Micro RNA 155 and TGF-B/SMAD Signaling Pathway in Synovial Fluid Derived Mesenchymal Stem Cells and its Exosomes.**
ERYBEH H., CANBEK M., UYSAL O., EKER SARIBOYACI A., SEMERCİ SEVİMLİ T.
2. International Health and Medical Sciences Conference, Muş, Turkey, 18 September 2021, pp.96-97
- VIII. **Cytotoxic, Apoptotic and Wound Healing Effects of Boric Acid on Colon Cancer Cells.**
UYSAL O., APAYDIN E., SOYKAN M. N., GHORBANPOOR H., AVCI H.
2. International Health and Medical Sciences Conference, Muş, Turkey, 18 September 2021, pp.98-99
- IX. **The Role of TGF-B Signaling Pathway in Osteogenic Differentiation Stages of Mesenchymal Stem Cells of Human Adipose Tissue Origin**
Eker Sarıboyacı A., Avcı H., Uysal O., Qomı Ekenel E., Ghorbanpoor H., Karakaya İ. B.
6. Uluslararası Erciyes Bilimsel Araştırmalar Kongresi, Kayseri, Turkey, 01 September 2021, pp.7-9
- X. **The Effect of Wnt/Beta-Catenin Signaling Pathway in Osteogenic Differentiation Stages of Human Adipose Tissue Derived Mesenchymal Stem Cells.**
Eker Sarıboyacı A., Uysal O., Avcı H., Semerci Sevimli T., Ghorbani A., Koç Y.
6. Uluslararası Erciyes Bilimsel Araştırmalar Kongresi, Kayseri, Turkey, 01 September 2021, pp.4-6
- XI. **İNSAN YAĞ DOKUSU KÖKENLİ MEZENKİMAL KÖK HÜCRELERİNOSTEOJENİK FARKLILAŞMA EVRELERİNDE WNT/BETA-KATENİN SİNYALYOLAĞININ ETKİSİ**
Eker Sarıboyacı A., Uysal O., Avcı H., Semerci Sevimli T., Ghorbani A., Koç Y.
6. ULUSLARARASI ERCİYES BİLİMSEL ARAŞTIRMALAR KONGRESİ, Kayseri, Turkey, 1 - 03 September 2021, pp.4-6
- XII. **Micro RNA-155 Expression in Human Synovial Fluid Derived Mesenchymal Stem Cells (hSF-MSC) and hSF-MSC's Exosomes During Chondrogenesis Process**
ERYBEH H., CANBEK M., UYSAL O., GÜNEŞ S.
EUROASIA International Congress on Scientific Researches and Recent Trends-VIII, Zambales, Philippines, 02 August 2021, pp.11-12
- XIII. **Analysis of Synovial Fluid Mesenchymal Stem Cell-Derived Exosomal miR-127-5p During Mesenchymal Stem Cell Chondrogenic Differentiation.**
SEMERCİ SEVİMLİ T., QOMI EKENEL E., SEVİMLİ M., UYSAL O., GÜNEŞ S., EKER SARIBOYACI A.
EUROASIA International Congress on Scientific Researches and Recent Trends-VIII, Zambales, Philippines, 2 - 04 August 2021, pp.130-132
- XIV. **The Role of Wnt/beta-catenin Signaling Pathways in the Osteogenic Activity of Mesenchymal Stem Cells of Human Adipose Tissue Origin (hAT-MSC).**
UYSAL O., EKER SARIBOYACI A., GÜNEŞ S., ÖZEL C., QOMI EKENEL E.
EUROASIA International Congress on Scientific Researches and Recent Trends-VIII, Zambales, Philippines, 02 August 2021, pp.134-136
- XV. **Analysis Of Synovial Fluid Mesenchymal Stem Cell-Derived Exosomal Mir-127-5p During Mesenchymal Stem Cell Chondrogenic Differentiation**
SEMERCİ SEVİMLİ T., Qomi Ekenel E., SEVİMLİ M., UYSAL O., GÜNEŞ BAĞIŞ S., EKER SARIBOYACI A.
Euroasia Congress on Scientific Researches and Recent Trends-VIII, 02 August 2021
- XVI. **Cost effective alginate blend and its antibiotic release properties: Wound healing approaches.**
ÖZEL C., ŞENGEL T., EKER SARIBOYACI A., UYSAL O., ÖZKURT M., AVCI H.
VIIIth International Fiber and Polymer Research Symposium, Bursa, Turkey, 18 June 2021, pp.61-62
- XVII. **Activation of Klotho Gene Expression in Caco-2 Cancer Cells by CRISPR/CAS9.**
SOYKAN M. N., GÜNEŞ S., EKER SARIBOYACI A., UYSAL O.
ISPEC International Conference on Medical & Health Sciences, İstanbul, Turkey, 4 - 06 June 2021, pp.99-100
- XVIII. **Investigation of Erythropoietin, TNF-alpha and kidney tissue injury connections in L-name induced hypertensive rats.**
ÖZKURT M., UZUNER K., ERKASAP N., JELKMANN W., ÖZYURT R., KUŞ G., UYSAL O., KUTLAY Ö.
10th international Luebeck conference on the pathophysiology and pharmacology of erythropoietin and other hemopoietic growth factors., 03 June 2015, vol.90, pp.158

Supported Projects

2020 - 2021	Mezenkimal Kök Hücre Yüklü Kompozit Canlı Fibrillerin Saten Dkoumasıyla Üretilen Yapı İskeletlerinde İlaç Kontrolü Salınımın Değerlendirilmesi, TUBİTAK Project
2020 - 2021	Klothunun Apo2L/TRAIL sinyal yolağı üzerine etkisi, Project Supported by Higher Education Institutions
2019 - 2021	Diyabetik Tavşanlarda Yağ Doku Kaynaklı Kök Hücre Lokal Uygulamasının İskemik ve İskemik Olmayan Yaraların İyileşmesi Üzerine Etkinliğinin Araştırılması: Deneysel Çalışma, Project Supported by Higher Education Institutions
2018 - 2020	İnsan Kemik İliği Kökenli Mezenkimal Kök Hücrelerin Pankreatik Progitör Hücrelere Farklılaşması, Project Supported by Higher Education Institutions
2018 - 2019	Sinoviyal Sıvı Kökenli Mezenkimal Kök Hücrelerin İmmunosupresif Etkileri, Project Supported by Higher Education Institutions
2015 - 2016	İnsan Amniyotik Sıvı Kökenli Multipotent Mezenkimal Kök Hücrelerin (iAS-MKH) İzolasyonu, Karakterizasyonu, Farklılaşma Potansiyeli ve Dondurularak Saklanması, Project Supported by Higher Education Institutions
2013 - 2015	Sıçanlarda L-NAME ile Oluşturulmuş Hipertansiyonun Kan TNF- alfa Eritropoetin Düzeyleri ile Böbrek Dokusu Harabiyeti Arasındaki İlişkinin Araştırılması, Project Supported by Higher Education Institutions
2013 - 2014	Böbrek İskemi Reperfüzyonu Oluşturulan Sıçan Leptin ve Resveratlorün Jak/Stat Yolağı ve Sirt-1 Geni Üzerinden Etkisi, Project Supported by Higher Education Institutions

Metrics

Publication: 97
Citation (WoS): 225
Citation (Scopus): 262
H-Index (WoS): 10
H-Index (Scopus): 10