

## Assoc. Prof. ELİF KARACAOĞLU

### Personal Information

Office Phone: [+90 312 297 8038](tel:+903122978038)

Fax Phone: [+90 312 299 2028](tel:+903122992028)

Other Email: [elifkush@hacettepe.edu.tr](mailto:elifkush@hacettepe.edu.tr)

Web: <https://avesis.hacettepe.edu.tr/elif.kus>

### International Researcher IDs

ORCID: 0000-0003-3426-4584

Yoksis Researcher ID: 169566

### Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Biyoloji A.B.D., Turkey 2009 - 2015

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Biyoloji A.B.D., Turkey 2006 - 2009

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, Turkey 2002 - 2006

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, T-2 toksininin kan-testis bariyeri üzerine etkisinin SerW3 hücre hattında araştırılması, Hacettepe University, Fen Bilimleri Enstitüsü, Biyoloji A.B.D., 2015

Postgraduate, Furanın gelişmekte olan erkek sıçanların üreme sistemi üzerine etkilerinin araştırılması, Hacettepe University, Fen Bilimleri Enstitüsü, Biyoloji A.B.D., 2009

### Research Areas

Life Sciences, Animal Biology, Animal Tissue Culture, Animal Cytology and Histology, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, 2022 - Continues

Research Assistant PhD, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, 2015 - 2022

Research Assistant, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, 2007 - 2015

### Published journal articles indexed by SCI, SSCI, and AHCI

1. Folic acid-modified biocompatible Pullulan/poly(acrylic acid) nanogels for targeted delivery to MCF-7 cancer cells

Ghaffarlou M., SÜTEKİN S. D., KARACAOĞLU E., KARAHİSAR TURAN S., İnci Ö. G., Güven O., BARSBAY M.  
European Journal of Pharmaceutics and Biopharmaceutics, vol.184, pp.189-201, 2023 (SCI-Expanded)

- II. **The Potential Protective Role of Neerocitrin in a Streptozotocin-Induced Diabetic Model in INS-1E Pancreatic  $\beta$ -Cells**  
Aldemir E. E., SELMANOĞLU G., KARACAOĞLU E.  
Brazilian Archives of Biology and Technology, vol.66, 2023 (SCI-Expanded)
- III. **Flusilazole-induced damage to SerW3 cells via cytotoxicity, oxidative stress and lipid metabolism: An in vitro study**  
Karacaoğlu E.  
PESTICIDE BIOCHEMISTRY AND PHYSIOLOGY, vol.180, 2022 (SCI-Expanded)
- IV. **Osteogenic differentiation of adipose tissue-derived mesenchymal stem cells on fibrin glue- or fibronectin-coated Ceraform®**  
Kılıç Süloğlu A., Karacaoğlu E., Akel H., Selmanoğlu G., Koçkaya E. A., Karaaslan İ. Ç.  
Journal Of Biomaterials Applications, vol.34, no.3, pp.375-385, 2019 (SCI-Expanded)
- V. **Acrolein-mediated neurotoxicity in growing Wistar male rats**  
SELMANOĞLU G., Ozgun G. M., KARACAOĞLU E.  
PESTICIDE BIOCHEMISTRY AND PHYSIOLOGY, vol.149, pp.37-43, 2018 (SCI-Expanded)
- VI. **T-2 toxin induces cytotoxicity and disrupts tight junction barrier in SerW3 cells**  
KARACAOĞLU E., SELMANOĞLU G.  
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.56, pp.259-267, 2017 (SCI-Expanded)
- VII. **Evaluation of apoptotic cell death mechanisms induced by hypericin-mediated photodynamic therapy in colon cancer cells**  
KILIÇ SÜLOĞLU A., KARACAOĞLU E., SELMANOĞLU G., Akel H., KARAASLAN İ. Ç.  
TURKISH JOURNAL OF BIOLOGY, vol.40, no.3, pp.539-546, 2016 (SCI-Expanded)
- VIII. **In vivo toxicity of a new antifungal agent 2,4-dithiophenoxy-1-iodo-4-bromo benzene: a follow up on our in vitro study**  
SÜLOĞLU A. K., Kockaya E. A., KARACAOĞLU E., SELMANOĞLU G., Logoglu E.  
ARHIV ZA HIGIJENU RADA I TOKSIKOLOGIJU-ARCHIVES OF INDUSTRIAL HYGIENE AND TOXICOLOGY, vol.66, no.1, pp.63-72, 2015 (SCI-Expanded)
- IX. **Cytotoxic Effects of a Novel Thialo Benzene Derivative 2,4-Dithiophenoxy-1-iodo-4-bromobenzene (C18H12S2IBr) in L929 Cells**  
Suloglu A. K., KARACAOĞLU E., Kockaya E. A., SELMANOĞLU G., Logoglu E.  
INTERNATIONAL JOURNAL OF TOXICOLOGY, vol.33, no.4, pp.319-324, 2014 (SCI-Expanded)
- X. **Vinclozolin exposure throughout pregnancy and its developmental toxicity**  
Kockaya E. A., Suloglu A. K., KARACAOĞLU E., SELMANOĞLU G.  
TOXICOLOGY RESEARCH, vol.3, no.5, pp.375-383, 2014 (SCI-Expanded)
- XI. **Histopathological effects of the food contaminant furan on some endocrine glands of prepubertal male rats**  
KARACAOĞLU E., SELMANOĞLU G., Kilic A.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.42, pp.1207-1213, 2012 (SCI-Expanded)
- XII. **Toxicity of food contaminant furan on liver and kidney of growing male rats**  
SELMANOĞLU G., KARACAOĞLU E., Kilic A., Kockaya E. A., AKAY M. T.  
ENVIRONMENTAL TOXICOLOGY, vol.27, no.10, pp.613-622, 2012 (SCI-Expanded)
- XIII. **Does furan affect the thymus in growing male rats?**  
Kockaya E. A., Kilic A., KARACAOĞLU E., SELMANOĞLU G.  
DRUG AND CHEMICAL TOXICOLOGY, vol.35, no.3, pp.316-323, 2012 (SCI-Expanded)
- XIV. **Effects of heat-induced food contaminant furan on reproductive system of male rats from weaning through postpuberty**  
KARACAOĞLU E., Selmanoglu G.  
FOOD AND CHEMICAL TOXICOLOGY, vol.48, no.5, pp.1293-1301, 2010 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Flusilazole Induced Cytotoxicity and Inhibition of Neuronal Growth in Differentiated SH-SY5Y Neuroblastoma Cells by All-Trans-Retinoic Acid (Atra)**  
Karacaoğlu E.  
Turkish Journal of Pharmaceutical Sciences, vol.18, no.5, pp.597-603, 2021 (ESCI)
- II. **Antioxidant Effects of Epigallocatechin Gallate in Cerulein-Induced Pancreatitis**  
Karacaoğlu E., Girgin G., Selmanoğlu G., Baydar T.  
European Journal of Biology, vol.78, no.2, pp.125-132, 2019 (Peer-Reviewed Journal)
- III. **Subchronic Exposure of Heat-induced Food Contaminant Acrolein: Evaluation of Toxicological Effects on Male Reproductive Tract from Weaning to Postpuberty**  
KARACAOĞLU E., SELMANOĞLU G.  
Hacettepe Journal of Biology and Chemistry, vol.45, pp.609-616, 2018 (Peer-Reviewed Journal)
- IV. **Influence of subacute melatonin treatment on antioxidant factors in the liver of female rats**  
MOHAMMED FATHI A., KARACAOĞLU E., GİRGIN G., KILICARSLAN B., SELMANOĞLU G., BAYDAR T.  
Journal of Experimental and Applied Animal Science, vol.1, pp.359-388, 2015 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Benzil Benzoatın Gelişmekte olan Erkek Sıçanlarda Timus Doku Üzerindeki Etkilerinin İncelenmesi**  
KILIÇ SÜLOĞLU A., KARACAOĞLU E., KOÇKAYA E. A., SELMANOĞLU G.  
XIII. Uluslararası Katılımlı Ekoloji ve Çevre Kongresi, 12 - 15 September 2017
- II. **Biyosit ve besin kirleticisi olan akroleinin sıçanlarda sinir sistemi üzerine etkileri/Impacts of Acrolein as a Biocide and Food Contaminant on Nervous System of Rat**  
KARACAOĞLU E., MÜLAYİMÇELİK ÖZGÜN G., SELMANOĞLU G.  
XIII. Congress of Ecology and Environment With International Participation, Edirne, Turkey, 12 - 15 September 2017
- III. **Comparison of viability and osteogenic potential of mesenchymal stem cells on fibrin glue or fibronectin coated ceraform®**  
KILIÇ SÜLOĞLU A., KARACAOĞLU E., KOÇKAYA E. A., SELMANOĞLU G.  
European Biotechnology Congress, 25 - 27 December 2017, vol.256, pp.42-43
- IV. **Comparison of Viability and Osteogenic Potential of Mesenchymal Stem Cells on Fibrin Glue or Fibronectin Coated Ceraform®.**  
KILIÇ SÜLOĞLU A., KARACAOĞLU E., KOÇKAYA E. A., SELMANOĞLU G.  
European Biotechnology Congress, 25 - 27 May 2017
- V. **Evaluation of osteogenically induced adipose tissue derived mesenchymal stem cell on fibrin glue coated ceraform by scanning electron microscopy**  
KILIÇ SÜLOĞLU A., KARACAOĞLU E.  
15th International Congress of Histochemistry and Cytochemistry, Antalya, Turkey, 18 - 21 May 2017
- VI. **T-2 toxin disrupts Sertoli cell barrier via changes in tight and adherent junctional proteins in SerW3 cells**  
KARACAOĞLU E., SELMANOĞLU G.  
15th International Congress of Histochemistry and Cytochemistry, Antalya, Turkey, 18 - 21 May 2017
- VII. **A Scanning Electron Microscope Examination of Osteogenic and Adhesive Potentials of Adipose-derived Stem Cells on Ceraform®**  
KARACAOĞLU E., KILIÇ SÜLOĞLU A., KOÇKAYA E. A., SELMANOĞLU G.  
22nd Biomedical Science and Technology Symposium, Biomed 2017, Ankara, Turkey, 12 - 14 May 2017
- VIII. **Evaluating osteogenic induction of adipose derived mesenchymal stem cells on fibrin glue or fibronectin coated ceraform.**  
KILIÇ SÜLOĞLU A., KARACAOĞLU E., KOÇKAYA E. A., SELMANOĞLU G.

22nd International Biomedical Science and Technology Symposium, Ankara, Turkey, 12 - 14 May 2017

- IX. **Evaluating Osteogenic Induction of Adipose Tissue Derived Mesenchymal Stem Cells on Fibrin Glue or Fibronectin Coated Ceraform®**  
KILIÇ SÜLOĞLU A., KARACAOĞLU E., KOÇKAYA E. A., SELMANOĞLU G.  
22nd Biomedical Science and Technology Symposium, 12 - 14 May 2017
- X. **Gene expressions of mesenchymal stem cells after osteogenic induction on ceraform bone substitute**  
KILIÇ SÜLOĞLU A., KARACAOĞLU E., AKEL H., KARAASLAN İ. Ç.  
FEBS 2016, 3 - 08 September 2016
- XI. **Expressions of Apoptosis Related Proteins in Colon Cancer Cells After HYP Induced Phototherapy**  
KILIÇ SÜLOĞLU A., KARACAOĞLU E., SELMANOĞLU G., KARAASLAN İ. Ç.  
2nd International Congress Of Forensic Toxicology Industrial and Environmental Toxicology, 26 - 30 June 2016
- XII. **Preliminary Investigation of Subacute Melatonin Treatment on Rats**  
ABDALLAH M. F., KARACAOĞLU E., KILIÇARSLAN B., GİRGİN G., SELMANOĞLU G., BAYDAR T.  
11. International Symposium on Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 9 - 12 June 2015
- XIII. **Vinclozolin exposure during pregnancy in Wistar rats Evaluation of toxicity on fetal bone development and fetal liver**  
KARACAOĞLU E., KILIÇ SÜLOĞLU A., KOÇKAYA E. A., SELMANOĞLU G.  
1st International Congress and Workshop on Forensic Toxicology, 29 - 30 November 2014
- XIV. **The evaluation of cytotoxic effects of supplementary glutamine consumption in hypericin mediated photo dynamic therapy in colon cancer cells**  
KILIÇ SÜLOĞLU A., KARACAOĞLU E., SELMANOĞLU G.  
1st International Congress and Workshop of Forensic Toxicology, 29 November - 30 December 2014
- XV. **In vitro cytotoxicity assessment of a trichotecene mycotoxin T 2 toxin on SerW3 cells**  
KARACAOĞLU E., SELMANOĞLU G.  
9th World Congress on Alternatives and Animal Use in the Life Sciences, Prag, Czech Republic, 24 - 28 August 2014, vol.3
- XVI. **HT 29 kolon adenokarsinom hücrelerinde hiperisin aracılı fotodinamik tedavinin hücresel ve moleküler düzeyde araştırılması**  
KARACAOĞLU E., KILIÇ SÜLOĞLU A., KOÇKAYA E. A., SELMANOĞLU G.  
22. Ulusal Biyoloji Kongresi, Turkey, 23 - 27 June 2014
- XVII. **Yeni sentezlenen 2 4 ditiyofenil 1 iyodo 4 bromo benzenin C18H12S2IBr sitotoksitesinin L929 hücrelerinde değerlendirilmesi**  
KARACAOĞLU E., KILIÇ SÜLOĞLU A., KOÇKAYA E. A., SELMANOĞLU G.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014
- XVIII. **Alterations in survivin and caspase-3 expressions after hypericin mediated PDT in HT-29 and Caco-2 cells**  
KILIÇ SÜLOĞLU A., KARAASLAN İ. Ç., KARACAOĞLU E., SELMANOĞLU G.  
49th Congress of the European Societies of Toxicology, 1 - 04 September 2013, vol.221, pp.166
- XIX. **Subchronic reproductive toxicity in prepubertal male rats exposed to food contaminant acrolein**  
KARACAOĞLU E., SELMANOĞLU G., ÖZGÜN G.  
49th Congress of the European Societies of Toxicology, 1 - 04 September 2013, vol.221, pp.215
- XX. **HT 29 kolon adenokarsinom hücrelerinde glutamin kısıtlamasının hiperisin aracılı fotodinamik terapi sonrasında hücre canlılığı üzerine etkileri**  
KILIÇ SÜLOĞLU A., KARACAOĞLU E., SELMANOĞLU G.  
II. Bölgesel Toksikoloji Sempozyumu, Eskişehir, Turkey, 3 - 04 May 2013
- XXI. **Biochemical and histological evaluations of dicarboximide fungicide vinclozolin on pregnant Wistar albino rats**  
KOÇKAYA E. A., KARACAOĞLU E., KILIÇ SÜLOĞLU A., SELMANOĞLU G.  
XII. International Congress of Toxicology, 19 - 23 July 2010, vol.196, pp.235
- XXII. **Sıçanların plasentaları ve fetusları üzerine vinclozolinin etkileri**  
KOÇKAYA E. A., KILIÇ SÜLOĞLU A., KARACAOĞLU E., SELMANOĞLU G.

20. Ulusal Biyoloji Kongresi, Denizli, Turkey, 21 - 25 June 2010
- XXIII. **Does lycopene play a protective role in low dose aflatoxin B1 induced hepatotoxicity in rats**  
BAYDAR T., GİRGIN G., SELMANOĞLU G., KARACAOĞLU E., KILIÇ SÜLOĞLU A., BALCI S., ŞAHİN G.  
32th Mycotoxin Workshop, 14 - 20 June 2010
- XXIV. **Effects of furan naturally occurring food contaminant on endocrine glands in male rats at puberty**  
KARACAOĞLU E., SELMANOĞLU G., KILIÇ SÜLOĞLU A.  
27th Annual Workshop of the Scandinavian Society for Cell Toxicology, Czech Republic, 16 August - 19 September 2009
- XXV. **Histopathological evaluation of liver and kidney in rats fed with genetically modified Bt corn for three generations**  
SELMANOĞLU G., KARACAOĞLU E., KILIÇ SÜLOĞLU A., KOÇKAYA E. A., AKAY M. T.  
VII. World Congress on Alternatives of Animal Use in The Life Science, Italy, 30 August - 03 September 2009
- XXVI. **Investigation of kidney toxicity in benzyl benzoate treated male rats**  
SELMANOĞLU G., KARACAOĞLU E., KILIÇ SÜLOĞLU A., KOÇKAYA E. A., AKAY M. T.  
VII. World Congress on Alternatives of Animal Use in The Life Science, Italy, 30 August - 03 September 2009
- XXVII. **Effects of furan on thymus of male rats from weaning to puberty**  
SELMANOĞLU G., KARACAOĞLU E., KILIÇ SÜLOĞLU A., KOÇKAYA E. A., AKAY M. T.  
7th World Congress Alternatives to Animal Experimentation, 21 - 25 August 2009
- XXVIII. **Besin Yoluyla Alınan Furanın Gelişmekte Olan Erkek Sıçanlarda Üreme Sistemi Üzerindeki Etkileri**  
KARACAOĞLU E., SELMANOĞLU G.  
7. Uluslararası Katılımlı Türk Toksikoloji Derneği Kongresi, Turkey, 30 May - 01 June 2009
- XXIX. **Investigation of reproductive effects of furan in growing male rats**  
KARACAOĞLU E., SELMANOĞLU G.  
The 45th Congress of the European Societies of Toxicology, 5 - 08 October 2008, vol.180, pp.70
- XXX. **Evaluation of furan toxicity on liver and kidney in male rats**  
SELMANOĞLU G., KARACAOĞLU E.  
45th Congress of European Societies of Toxicology, 5 - 08 October 2008
- XXXI. **Antifungal aktiviteye sahip yeni bir tihalobenzen türevinin erkek sıçanların üreme sistemi üzerine etkileri**  
KILIÇ SÜLOĞLU A., SELMANOĞLU G., KOÇKAYA E. A., KARACAOĞLU E., LOĞOĞLU E.  
19. Ulusal Biyoloji Kongresi, Turkey, 23 - 27 June 2008
- XXXII. **Comparison of fluconazole and a novel antifungal thiohalo benzene derivative induced changes in histopathology and haematological parameters in rats**  
KOÇKAYA E. A., KILIÇ SÜLOĞLU A., SELMANOĞLU G., KARACAOĞLU E., LOĞOĞLU E.  
The 44th Congress of The European Societies of Toxicology, 7 - 10 October 2007

## Supported Projects

SELMANOĞLU G., KARACAOĞLU E., TULUMCUOĞLU D., Project Supported by Higher Education Institutions, SHSY5Y Nöroblastoma Hücrelerinde Yüksek Glukozla Oluşturulan Hasara Karşı Neeriositrinin Koruyucu Etkisinin Araştırılması, 2020 - 2021

KARACAOĞLU E., SELMANOĞLU G., Project Supported by Higher Education Institutions, Hücre Kültür Koleksiyonlarının Devamlılığının Sağlanması ve Flusilazolün SerW3 Hücrelerinde SOD ve CAT Enzimleri Üzerindeki Etkisinin Araştırılması, 2020 - 2021

SELMANOĞLU G., Aldemir E. E., KARACAOĞLU E., Project Supported by Higher Education Institutions, Streptozotosinle Diyabet Modeli Oluşturulan INS-1E Pankreas Beta Hücrelerinde Neeriositrinin Koruyucu Etkisinin Araştırılması, 2018 - 2021

KARACAOĞLU E., SELMANOĞLU G., Project Supported by Higher Education Institutions, Triazol Fungusit Olan Flusilazolün Etkilerinin SerW3 Hücrelerinde Değerlendirilmesi, 2018 - 2020

KILIÇ SÜLOĞLU A., SELMANOĞLU G., KARACAOĞLU E., Project Supported by Higher Education Institutions, Hücre

Saklama Koşullarının Devamlılığının Sağlanması ve İn vitro Plasenta Modelinin Oluşturulması, 2018 - 2019  
KARACAOĞLU E., Project Supported by Higher Education Institutions, 22 Uluslararası Biyomedikal Bilim ve Teknoloji Sempozyumu'na Katılım Desteği, 2017 - 2017  
KILIÇ SÜLOĞLU A., SELMANOĞLU G., KARACAOĞLU E., Project Supported by Higher Education Institutions, Mezenşimal Kök Hücrelerin Fibrin Glue veya Fibronektin Kaplı Ceraform Üzerindeki Canlılığının ve Osteojenik Potansiyelinin Karşılaştırılması, 2017 - 2017  
KARACAOĞLU E., SELMANOĞLU G., Project Supported by Higher Education Institutions, T2 toksini SerW3 hücre bariyerini sıkı bağlantı ve kemer bağlantı proteinlerinde değişikliğe neden olarak bozmaktadır, 2017 - 2017  
KARACAOĞLU E., KILIÇ SÜLOĞLU A., Project Supported by Higher Education Institutions, HepG2 Hücre Hattının Üretilmesi, 2016 - 2017  
KARACAOĞLU E., SELMANOĞLU G., KILIÇ SÜLOĞLU A., Project Supported by Higher Education Institutions, Hücre Kültürü Araştırmalarında Kullanılan Hücre Hatlarının Üretilmesi ve Saklanması, 2016 - 2016  
SELMANOĞLU G., KARACAOĞLU E., Project Supported by Higher Education Institutions, T2 Toksininin KanTestis Bariyeri Üzerine Etkisinin SerW3 Hücre Hattında Araştırılması, 2015 - 2015  
Selmanoğlu G., Kılıç Süloğlu A., Karacaoğlu E., Project Supported by Higher Education Institutions, HT-29 VE CACO-2 HÜCRELERİNDE HİPERİSİN İLE FOTOAKTİVASYONA BAĞLI DEĞİŞİKLİKLERİN MOLEKÜLER, AKIŞ SİTOMETRİSİ, İMMÜNOFLORESAN VE SPEKTROFOTOMETRİK YÖNTEMLER İLE ARAŞTIRILMASI, 2010 - 2012

## **Metrics**

Publication: 62  
Citation (WoS): 93  
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