

Prof. AYŞE YAVUZ KOCAMAN

Personal Information

Email: ayavuz@mku.edu.tr

Web: <https://avesis.mku.edu.tr/ayavuz>

International Researcher IDs

ScholarID: 6qMjh0MAAAAJ

ORCID: 0000-0001-7700-784X

Publons / Web Of Science ResearcherID: LWJ-3369-2024

ScopusID: 15081246100

Yoksis Researcher ID: 110865

Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Biyoloji, Turkey 2002 - 2007

Postgraduate, Hatay Mustafa Kemal University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), Turkey 1998 - 2001

Undergraduate, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, Turkey 1994 - 1998

Foreign Languages

English

Dissertations

Doctorate, Acetamiprid ve alpha-cypermethrin pestisidlerinin tek başına ve karışım halinde kullanıldıkları zaman insan periferal lenfositlerindeki in vitro genotoksik etkileri, Cukurova University, Fen Bilimleri Enstitüsü, 2007

Postgraduate, Hedysarum pogonocarpum boiss.'xxun alt türleri arasındaki izoenzim varyasyonlarının araştırılması, 2001

Research Areas

Life Sciences, Molecular Biology and Genetics, Cytogenetic, Natural Sciences

Academic Titles / Tasks

Professor, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 2018 - Continues

Associate Professor, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 2012 - 2018

Assistant Professor, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 2009 - 2012

Research Assistant, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 2007 - 2009

Research Assistant, Cukurova University, Fen-Edebiyat Fakültesi, 2002 - 2007

Research Assistant, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 1998 - 2002

Academic and Administrative Experience

Member of the Senate, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 2024 - Continues
Faculty Management Board Member, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 2024 - Continues
Dean, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 2024 - Continues
University Executive Board Member, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 2024 - Continues
BAP Scientific Commissioner, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 2024 - Continues
Head of Department, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 2020 - Continues
Faculty Academic Council Member, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 2009 - Continues
Academic Council Member of Department, Hatay Mustafa Kemal University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), 2009 - Continues
Department Academic Incentive Evaluation Commission Chairperson, Hatay Mustafa Kemal University, Fen Bilimleri Enstitüsü, 2023 - 2024
Faculty Board Member, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 2021 - 2024
Head of Department, Hatay Mustafa Kemal University, Fen Bilimleri Enstitüsü, Biyoloji (YI) (Tezli), 2021 - 2024
Head of Department, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 2021 - 2024
Adaptation/Exemption Committee Member, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 2021 - 2024
Deputy Head of Department, Hatay Mustafa Kemal University, Fen Edebiyat Fakültesi, Biyoloji, 2012 - 2013

Courses

Genetik ve Kanser, Undergraduate Double Major, 2023-2024, 2019-2020, 2013-2014, 2012-2013, 2011-2012
Genetik Hastalıklar, Undergraduate, 2023-2024, 2020-2021, 2014-2015, 2013-2014, 2012-2013, 2011-2012
Genetik I, Undergraduate, 2023-2024, 2022-2023, 2020-2021, 2019-2020, 2018-2019, 2014-2015
Hücre Genetiği, Undergraduate Double Major, 2023-2024, 2022-2023, 2019-2020, 2018-2019, 2012-2013
Genetik Toksikoloji, Undergraduate, 2023-2024, 2022-2023, 2020-2021, 2019-2020
Genetik Laboratuvarı I, Undergraduate, 2023-2024, 2022-2023, 2020-2021
Moleküler Genetik II, Undergraduate Minor, 2023-2024, 2018-2019, 2017-2018, 2013-2014, 2011-2012
Moleküler Genetik I, Undergraduate Minor, 2023-2024, 2022-2023, 2019-2020, 2012-2013, 2011-2012
Genel Biyoloji Laboratuvarı I, Undergraduate, 2023-2024, 2022-2023, 2020-2021, 2019-2020
Genel Biyoloji I, Undergraduate, 2023-2024, 2022-2023, 2020-2021, 2019-2020
Genetik II, Undergraduate, 2023-2024, 2020-2021, 2019-2020, 2018-2019, 2017-2018, 2014-2015, 2013-2014
Genotoksosite Testleri II, Undergraduate Double Major, 2023-2024, 2020-2021, 2019-2020, 2017-2018, 2013-2014, 2012-2013
Genetik Laboratuvarı II, Undergraduate, 2023-2024, 2020-2021
Genotoksikoloji, Undergraduate Double Major, 2023-2024, 2022-2023, 2020-2021, 2011-2012
Genotoksosite Testleri I, Undergraduate Double Major, 2022-2023, 2020-2021, 2019-2020, 2012-2013
Araştırma Projesi I, Undergraduate, 2022-2023
Sitogenetik, Undergraduate, 2019-2020, 2018-2019
Kromozomlar, Undergraduate, 2018-2019
BIY-5345 Genotoksosite Testleri I, Undergraduate Double Major, 2017-2018, 2016-2017, 2015-2016
BIY-5301 Genotoksikoloji, Undergraduate Double Major, 2017-2018, 2016-2017
120720 Genetik Hastalıklar, Undergraduate, 2017-2018
BIY-5315 Moleküler Genetik I, Undergraduate Double Major, 2017-2018, 2016-2017
1201505 Genetik I, Undergraduate, 2017-2018, 2016-2017, 2015-2016
BIY-5299 Hücre Genetiği, Undergraduate Double Major, 2017-2018, 2016-2017, 2015-2016
Popülasyon Tarihi, Undergraduate, 2017-2018
1201347 Kromozomlar, Undergraduate, 2017-2018, 2016-2017
1201720 Genetik Hastalıklar, Undergraduate, 2016-2017
BIY-5314 GENETİK VE KANSER, Undergraduate Double Major, 2016-2017, 2015-2016
BIY-5312 MOLEKÜLER GENETİK II, Undergraduate Double Major, 2016-2017, 2015-2016

BIY-5350 GENOTOKSİSİTE TESTLERİ II, Undergraduate Double Major, 2016-2017, 2015-2016
1201826 Araştırma Projesi II, Undergraduate, 2016-2017
1201822 GENETİK TOKSİKOLOJİ, Undergraduate, 2016-2017, 2015-2016
1201606 GENETİK II, Undergraduate, 2016-2017, 2015-2016
1201787 Genetik Preparasyon Yöntemleri, Undergraduate, 2015-2016
1201888 Genetik Hastalıklar, Undergraduate, 2015-2016
Hücre Biyolojisi, Undergraduate, 2014-2015, 2013-2014
Hayvan Histolojisi, Undergraduate, 2013-2014
Genetik II Laboratuvarı, Undergraduate, 2013-2014
Sitoloji, Undergraduate, 2012-2013, 2011-2012
Sitoloji Laboratuvarı, Undergraduate, 2012-2013, 2011-2012
Histoloji Laboratuvarı, Undergraduate, 2012-2013, 2011-2012
Histoloji, Undergraduate, 2012-2013
İleri Hücre Genetiği, Undergraduate Double Major, 2011-2012
Kısa Süreli Genotoksisite Testleri, Undergraduate Double Major, 2011-2012
Genetik Preparasyon Yöntemleri, Undergraduate, 2011-2012
Genetik ve Biyoteknoloji, Undergraduate, 2011-2012

Advising Theses

YAVUZ KOCAMAN A., Forklorfenuronun insan lenfosit kültüründekigenotoksik etkilerinin belirlenmesi, Postgraduate, B.MULLAOĞLU(Student), 2021
YAVUZ KOCAMAN A., Perkloretlenin insan lenfositlerindeki muhtemel genotoksik potansiyeli üzerine e vitamininin etkisi, Postgraduate, K.ASFUROĞLU(Student), 2019
YAVUZ KOCAMAN A., Venlafaksin'in insan lenfositlerindeki genotoksik etkileri, Postgraduate, S.AYABAKTI(Student), 2017
YAVUZ KOCAMAN A., Flumetralin'in insan periferel kan lenfositlerinde kromozom anormalliği ve mikronükleus oluşumu üzerine etkileri, Postgraduate, S.BUCAK(Student), 2015
YAVUZ KOCAMAN A., 1-Naphthylacetamide'nin insan periferel kan lenfositlerindeki in vitro genotoksik ve sitotoksik etkileri, Postgraduate, B.GÜVEN(Student), 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Genotoxicity of a synthetic plant growth regulator, Forchlorfenuron (CPPU), on human lymphocytes using chromosome aberration assay**
Kocaman A., Yakar B.
Caryologia, vol.76, no.1, pp.47-56, 2023 (SCI-Expanded)
- II. **The genotoxic effects of perchloroethylene in human peripheral blood lymphocytes and the possible ameliorative role of α -tocopherol**
Kocaman A., Asfuroğlu K.
Environmental Science and Pollution Research, vol.28, no.29, pp.39576-39586, 2021 (SCI-Expanded)
- III. **Cytogenotoxic effects of venlafaxine hydrochloride on cultured human peripheral blood lymphocytes**
Ayabakti S., YAVUZ KOCAMAN A.
Drug and Chemical Toxicology, vol.43, no.2, pp.192-199, 2020 (SCI-Expanded)
- IV. **The genotoxic and antigenotoxic potential of the methanolic root extract of Glycyrrhiza glabra L. on human peripheral blood lymphocytes**
YAVUZ KOCAMAN A., Güzelkokar M.
Drug and Chemical Toxicology, vol.41, no.3, pp.368-375, 2018 (SCI-Expanded)
- V. **Evaluation of the genotoxicity of commercial formulations of ethephon and ethephon+cyclanilide on**

Allium cepa L. root meristematic cells

YAVUZ KOCAMAN A., Kiliç E.

Caryologia, vol.70, no.3, pp.229-237, 2017 (SCI-Expanded)

- VI. **Genotoxic and cytotoxic effects of flumetralin in human peripheral blood lymphocytes *in vitro***
Kocaman A., Bucak S.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.32, no.12, pp.1927-1934, 2016 (SCI-Expanded)
- VII. **In vitro genotoxicity assessment of the synthetic plant growth regulator, 1-naphthaleneacetamide**
Kocaman A., Güven B.
CYTOTECHNOLOGY, vol.68, no.4, pp.947-956, 2016 (SCI-Expanded)
- VIII. ***In vitro* investigation of the genotoxic and cytotoxic effects of thiacloprid in cultured human peripheral blood lymphocytes**
Kocaman A., Rencüzoğulları E., Topaktaş M.
ENVIRONMENTAL TOXICOLOGY, vol.29, no.6, pp.631-641, 2014 (SCI-Expanded)
- IX. **In vitro evaluation of the protective effects of 4-thujanol against mitomycin-C and cyclophosphamide-induced genotoxic damage in human peripheral lymphocytes**
Kocaman A., İSTİFLİ E. S., Büyükleyle M., Rencüzoğulları E., Topaktaş M.
Toxicology and Industrial Health, vol.29, no.1, pp.23-37, 2013 (SCI-Expanded)
- X. **The genotoxic and antigenotoxic effects of tannic acid in human lymphocytes**
Buyukleyle M., Azirak S., Rencuzogullari E., Kocaman A., İLA H. B., Topaktas M., Darici C.
DRUG AND CHEMICAL TOXICOLOGY, vol.35, no.1, pp.11-19, 2012 (SCI-Expanded)
- XI. **The effects of 4-thujanol on chromosome aberrations, sister chromatid exchanges and micronucleus in human peripheral blood lymphocytes**
Kocaman A., Rencüzoğulları E., Topaktaş M., İSTİFLİ E. S., Büyükleyle M.
CYTOTECHNOLOGY, vol.63, no.5, pp.493-502, 2011 (SCI-Expanded)
- XII. **Genotoxic effects of a particular mixture of acetamiprid and α -cypermethrin on chromosome aberration, sister chromatid exchange, and micronucleus formation in human peripheral blood lymphocytes**
Kocaman A., Topaktaş M.
Environmental Toxicology, vol.25, no.2, pp.157-168, 2010 (SCI-Expanded)
- XIII. **Aloe vera yaprak ekstraktının *in vitro* ve *in vivo* genotoksik ve anti-genotoksik etkisi**
KAYRALDIZ A., YAVUZ KOCAMAN A., Rencuzogullari E., Istifli E. S., İLA H. B., GÖKTUĞ M. R., DAĞLIOĞLU Y. K.
Turkish Journal of Biology, vol.34, no.3, pp.235-246, 2010 (SCI-Expanded)
- XIV. **The In Vitro Genotoxic Effects of a Commercial Formulation of α -Cypermethrin in Human Peripheral Blood Lymphocytes**
Kocaman A., Topaktaş M.
ENVIRONMENTAL AND MOLECULAR MUTAGENESIS, vol.50, no.1, pp.27-36, 2009 (SCI-Expanded)
- XV. **The genotoxic effect of potassium metabisulfite using chromosome aberration, sister chromatid exchange, micronucleus tests in human lymphocytes and chromosome aberration test in bone marrow cells of rats**
Yavuz-Kocaman A., Rencuzogullari E., İLA H. B., Topaktas M.
Environmental and Molecular Mutagenesis, vol.49, no.4, pp.276-282, 2008 (SCI-Expanded)
- XVI. **In vitro evaluation of the genotoxicity of acetamiprid in human peripheral blood lymphocytes**
Kocaman A., Topaktaş M.
Environmental and Molecular Mutagenesis, vol.48, no.6, pp.483-490, 2007 (SCI-Expanded)
- XVII. **Isoenzyme variation in two allopatric populations of *Hedysarum pogonocarpum* Boiss. (Fabaceae), a Turkish endemic**
ÇALIŞKAN M., Yavuz A., Aktoklu E.
Biochemical Systematics and Ecology, vol.34, no.2, pp.119-126, 2006 (SCI-Expanded)
- XVIII. **The mutagenic and antimutagenic effects of *Ecballium elaterium* fruit juice in human peripheral lymphocytes**

Rencüzoğullari E., İLA H. B., Kayraldiz A., Diler S., Yavuz A., Arslan M., Funda Kaya F., Topaktas M.
Russian Journal of Genetics, vol.42, no.6, pp.623-627, 2006 (SCI-Expanded)

XIX. The genotoxic risk of underground coal miners from Turkey

Donbak L., Rencuzogullari E., Yavuz A., Topaktas M.

Mutation Research - Genetic Toxicology and Environmental Mutagenesis, vol.588, no.2, pp.82-87, 2005 (SCI-Expanded)

Articles Published in Other Journals

I. In vitro Cytogenetic Effects of Moxifloxacin

DÖNBAK L., KAYRALDIZ A., YAVUZ KOCAMAN A., ARSLAN M.

Advance Laboratory Medicine International, vol.7, pp.70-84, 2017 (Peer-Reviewed Journal)

II. Evaluation of Possible Genotoxic Activity of Dirithromycin in Cultured Human Lymphocytes

KAYRALDIZ A., DÖNBAK L., YAVUZ KOCAMAN A., Köker E., Gökçe Ş., UYGUNER Z. O.

JOURNAL OF TOXICOLOGY, vol.2015, no.10, pp.1-6, 2015 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

I. Micronucleus Assay Assessment of Possible Genotoxic Effects of Venlafaxine in Human Lymphocytes in vitro

AYABAKTI S., YAVUZ KOCAMAN A.

International Advanced Researches and Engineering Congress (IAREC 2017), 16 - 18 November 2017

II. Anticlastogenic effect of Glycyrrhiza glabra L. methanolic root extract against mitomycin-C in human lymphocyte cultures

YAVUZ KOCAMAN A., GÜZELKOKAR M.

2nd International Mediterranean Science and Engineering Congress, 25 - 27 October 2017

III. The genotoxic effects of a commercial formulation of ethephon on Allium cepa L root meristematic cells

YAVUZ KOCAMAN A., KILIÇ E.

1st International Mediterranean Science and Engineering Congress, Adana, Turkey, 26 - 28 October 2016, pp.2168

Supported Projects

YAVUZ KOCAMAN A., Acetamidrid ve Alpha cypermethrin Pestisidlerinin Tek Başına ve Karışım Halinde Kullanıldıkları Zaman İnsan Periferal Lenfositlerindeki In Vitro Genotoksik Etkileri, Continues

YAVUZ KOCAMAN A., Aloe vera ekstraktının genotoksik ve antigenotoksik etkilerinin araştırılması, Continues

YAVUZ KOCAMAN A., Pinus yaprak ekstraktından elde edilen tanninlerin insan periferal lenfositlerinde mutajenik ve antimutajenik etkileri, Continues

YAVUZ KOCAMAN A., 1 Naphthylacetamide nin İnsan Periferal Kan Lenfositlerindeki In Vitro Genotoksik ve Sitotoksik Etkileri, Continues

YAVUZ KOCAMAN A., TUBITAK Project, Sabinene 4 thujanol nin insan periferal kan lenfositlerindeki in vitro genotoksik ve antigenotoksik etkileri, Continues

YAVUZ KOCAMAN A., Hedysarum pognocarpum Boiss un Alt türleri Arasındaki İzoenzim Varyasyonlarının Araştırılması, Continues

YAVUZ KOCAMAN A., Thiacloprid in neonicotinoid insektisidi metabolik aktivasyon varlığında ve yokluğunda insan periferal lenfositlerindeki in vitro genotoksik etkileri, Continues

YAVUZ KOCAMAN A., Gıda katkı maddesi potasyum metabisülfidin genotoksik etkilerinin araştırılması, Continues

YAVUZ KOCAMAN A., ASFUROĞLU K., Project Supported by Higher Education Institutions, Perkloretinin İnsan

Lenfositlerindeki Muhtemel Genotoksik Potansiyeli Üzerine E Vitamininin Etkisi, 2018 - 2019
YAVUZ KOCAMAN A., Project Supported by Higher Education Institutions, Glycyrrhiza glabra L Meyan Bitkisi Kök Özüünün İnsan Lenfositlerindeki Genotoksik ve Antigenotoksik Etkileri, 2013 - 2018
YAVUZ KOCAMAN A., AYABAKTI S., Project Supported by Higher Education Institutions, Venlafaksin in insan lenfositlerindeki genotoksik etkileri, 2013 - 2018
YAVUZ KOCAMAN A., Kılıç E., Project Supported by Higher Education Institutions, Etken Maddeleri Etefon ve Etefon Siklanilit Olan Sentetik Bitki Büyüme Düzenleyicilerinin Genotoksik Etkileri, 2013 - 2017
YAVUZ KOCAMAN A., Project Supported by Higher Education Institutions, Flumetralin in İnsan Periferel Kan Lenfositlerinde Kromozom Anormalliği ve Mikronükleus Oluşumu Üzerine Etkileri, 2012 - 2015
YAVUZ KOCAMAN A., BÜYÜKLEYLA M., RENCÜZOĞULLARI E., istifli e. s., topaktaş m., TUBITAK Project, Sabinene 4 Thujanol nin insan periferel kan lenfositlerindeki in vitro genotoksik ve antigenotoksik etkileri, 2009 - 2010
YAVUZ KOCAMAN A., BÜYÜKLEYLA M., topaktaş m., İLA H. B., DARICI H. C., RENCÜZOĞULLARI E., Project Supported by Higher Education Institutions, Pinus yaprak eksraktından elde edilen tanninlerin insan periferel lenfositlerinde mutajenik ve anti mutajenik etkileri, 2007 - 2009

Scientific Refereeing

Project Supported by Higher Education Institutions, BAP PhD, Hatay Mustafa Kemal University, Turkey, December 2024
Project Supported by Higher Education Institutions, BAP MSc, Hatay Mustafa Kemal University, Turkey, December 2024
Project Supported by Higher Education Institutions, BAP MSc, Hatay Mustafa Kemal University, Turkey, October 2024
Project Supported by Higher Education Institutions, BAP Research Project, Adiyaman University, Turkey, October 2024
Project Supported by Higher Education Institutions, BAP MSc, Hatay Mustafa Kemal University, Turkey, September 2024
DNA AND CELL BIOLOGY, Other journals, July 2024
Project Supported by Higher Education Institutions, BAP MSc, Hatay Mustafa Kemal University, Turkey, March 2024
Project Supported by Higher Education Institutions, BAP PhD, Hatay Mustafa Kemal University, Turkey, March 2024
DRUG AND CHEMICAL TOXICOLOGY, Journal Indexed in SCI-E, January 2024
Project Supported by Higher Education Institutions, BAP Research Project, Hatay Mustafa Kemal University, Turkey, January 2024
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Hatay Mustafa Kemal University, Turkey, June 2023
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Hatay Mustafa Kemal University, Turkey, June 2023
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Hatay Mustafa Kemal University, Turkey, June 2023
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Hatay Mustafa Kemal University, Turkey, June 2023
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Hatay Mustafa Kemal University, Turkey, June 2023
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Hatay Mustafa Kemal University, Turkey, June 2023
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Hatay Mustafa Kemal University, Turkey, June 2023
Other journals, January 2017
DRUG AND CHEMICAL TOXICOLOGY, Other journals, January 2017
CYTOTECHNOLOGY, Other journals, January 2016
DRUG AND CHEMICAL TOXICOLOGY, Other journals, January 2016
TOXICOLOGY MECHANISMS AND METHODS, Other journals, January 2016
PHARMACEUTICAL BIOLOGY, Other journals, January 2016
DRUG AND CHEMICAL TOXICOLOGY, Other journals, January 2015
MUTATION RESEARCH - GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, Other journals, January 2014
JOURNAL OF CELL AND MOLECULAR BIOLOGY, Other journals, January 2009

Metrics

Publication: 24

Citation (WoS): 117

Citation (Scopus): 399

H-Index (WoS): 6

H-Index (Scopus): 10