

Lect. PhD Mehmet Rıza Kıvanç

Personal Information

Mobile Phone: [+90 535 850 7497](tel:+905358507497)

Office Phone: [+90 432 444 5065](tel:+904324445065) Extension: 22293

Email: mr.kivanc@yyu.edu.tr

Web: <https://avesis.yyu.edu.tr/mr.kivanc>

Address: Serhat M. Milli Egemenlik Cad. Timurpaşa Sokak Diyar Apt. Kat 4 NO:14

Biography

I was born in Van in 1978. I completed my primary, secondary and high school education in Van. In 1999, I won the chemistry department of Van Yüzüncü Yıl University Faculty of Science and Letters and graduated from the same department in 2003. I started my graduate studies at Yüzüncü Yıl University Institute of Science in 2007 fall semester. I graduated from the master's degree program in 2010. I graduated from Yüzüncü Yıl University Graduate School of Natural and Applied Sciences in the spring semester of 2011 and completed my PhD program in the fall semester of 2016.

Education Information

Doctorate, Van Yüzüncü Yıl University, Fen Fakültesi/Fen Bilimleri, Kimya/Biyokimya, Turkey 2011 - 2016

Post Graduate, Van Yüzüncü Yıl University, Fen Bilimleri Enstitüsü, Kimya/Biyokimya, Turkey 2007 - 2010

Masters Without Thesis, Van Yüzüncü Yıl University, Fen Bilimleri Enstitüsü, Kimya Öğretmenliği, Turkey 2003 - 2005

Under Graduate, Van Yüzüncü Yıl University, Fen Fakültesi, Kimya, Turkey 1999 - 2003

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, SIĞIR KARACİĞERİNDEN AFİNİTE YÖNTEMİYLE SAFLAŞTIRILAN GLUTATİON REDÜKTAZ ENZİMİ ÜZERİNE Arum elongatum steven subsp. detruncatum (C.A. Mey. Ex Schott) Riedl (YILAN YASTIĞI) EKSTRAKTINDAN KOLON KROMATOĞRAFİSİ İLE İZOLE EDİLEN ETKEN MADDELERİN ETKİSİNİN ARAŞTIRILMASI, Van Yüzüncü Yıl University, Fen Fakültesi, Kimya/Biyokimya, 2016

Post Graduate, İNSAN PLAZMA VE ERİTROSİT HEMOLİZATI ASETİLKOLİNESTERAZ (AChE, EC.3.1.1.7) ENZİMİ ÜZERİNE BAZI ANTİBİYOTİK VE AĞRI KESİCİ İLAÇLARIN İN VİTRO ETKİLERİNİN ARAŞTIRILMASI, Van Yüzüncü Yıl University, Fen Bilimleri Enstitüsü, Kimya/Biyokimya, 2010

Research Areas

Chemistry, Biochemistry, Enzyme Kinetics, Protein Chemistry, Natural Sciences

Academic Titles / Tasks

Lecturer PhD, Van Yüzüncü Yil University, Eğitim Fakültesi, Ortaöğretim Fen Ve Matematik, 2014 - Continues
Lecturer PhD, Van Yüzüncü Yil University, Bilim Uygulama Ve Araştırma Merkezi, Bilimsel Uygulama Ve Araştırma Laboratuvarları, 2010 - 2014

Courses

Organik Kimya Lab 2, Under Graduate, 2017 - 2018
Organik Analiz Lab, Under Graduate, 2014 - 2015, 2015 - 2016, 2017 - 2018
Analitik Kimya Lab 2, Under Graduate, 2016 - 2017
Organik Kimya Lab 1, Under Graduate, 2016 - 2017, 2017 - 2018
Genel Kimya Lab, Under Graduate, 2015 - 2016, 2016 - 2017
Organik Kimya Lab.-2, Under Graduate, 2014 - 2015, 2015 - 2016
Analitik Kimya Lab-2, Under Graduate, 2015 - 2016
Analitik Kimya Lab.-2, Under Graduate, 2014 - 2015
Organik Kimya Lab.-1, Under Graduate, 2015 - 2016
Fizikokimya Lab, Under Graduate, 2014 - 2015
Analitik Kimya Lab.-1, Under Graduate, 2015 - 2016
Genel Kimya Lab, Under Graduate, 2014 - 2015
Organik Kimya Lab-1, Under Graduate, 2014 - 2015

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **A Statistical optimization of Methylene Blue removal from aqueous solutions by *Agaricus campestris* using multi-step experimental design with response surface methodology: Isotherm, Kinetic and Thermodynamic Studies**
Kıvanç M. R. , Yönten V.
SURFACES AND INTERFACES, vol.18, pp.1-9, 2020 (Journal Indexed in SCI Expanded)
- II. **A thermodynamic and kinetic approach to adsorption of methyl orange from aqueous solution using a low cost activated carbon prepared from *Vitis vinifera* L.**
Yönten V., Sanyürek N. K. , Kıvanç M. R.
Surfaces and Interfaces, vol.20, 2020 (Journal Indexed in SCI Expanded)
- III. **The preparation of various shapes and porosities of hydroxyethyl starch/p(HEMA-co-NVP) IPN hydrogels as programmable carrier for drug delivery**
ÖZAY Ö., İLGİN P., ÖZAY H., Gungor Z., Yılmaz B., Kıvanç M. R.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.57, pp.379-387, 2019 (Journal Indexed in SCI)
- IV. **Investigation of the effects of natural compounds isolated from *Arum ruficula* var. *ruficula* on glutathione reductase enzyme purified from bovine liver**
Kıvanç M. R. , Türkoğlu V.
BIOMEDICAL CHROMATOGRAPHY, vol.33, 2019 (Journal Indexed in SCI)
- V. **Investigation of the effects of some water-soluble vitamins on glutathione reductase enzyme purified from bovine liver**
Kıvanç M. R. , Türkoğlu V.
TURKISH JOURNAL OF CHEMISTRY, vol.43, pp.1522-1531, 2019 (Journal Indexed in SCI)
- VI. **A Novel Enzymatic Glucose Biosensor and Nonenzymatic Hydrogen Peroxide Sensor Based on (3-Aminopropyl) Triethoxysilane Functionalized Reduced Graphene Oxide**
Güler M., Türkoğlu V., Kıvanç M. R.
ELECTROANALYSIS, vol.29, pp.2507-2515, 2017 (Journal Indexed in SCI)
- VII. **Properties and some in vitro studies of 6-phosphogluconate dehydrogenase purified from the liver**

of Chalcalburnus tarichi, the only fish living in Lake Van's highly alkaline water (pH 9.8)

Güler M., Türkoğlu V., Kivanç M. R.

TURKISH JOURNAL OF CHEMISTRY, vol.39, pp.1050-1058, 2015 (Journal Indexed in SCI)

VIII. In Vitro Determination of 6PGD Enzyme Activity Purified from Lake Van Fish (Chalcalburnus tarichii Pallas, 1811) Liver Exposed to Pesticides

Güler M., Kivanç M. R., Türkoğlu V., BASI Z., Kivrak H.

BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.91, pp.560-564, 2013 (Journal Indexed in SCI)

Articles Published in Other Journals

I. In vitro Effects of Certain Plant Extracts on Acetylcholinesterase (EC 3.1.1.7) Enzyme in Lake Van Fish Liver and Brain

Başı Z., Türkoğlu V., Güler M., Kivanç M. R.

HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY, vol.44, pp.435-440, 2016 (International Refereed University Journal)

II. In Vitro Inhibition of Human Plasma and Erythrocyte AChE by Various Drugs

Kivanç M. R.

HACETTEPE JOURNAL OF BIOLOGY AND CHEMISTRY, vol.3, pp.217-224, 2016 (National Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Three-stage optimization system for Removal of Methylene Blue by Agaricus Campestris using Response Surface Methodology

Yönten V., Kivanç M. R.

International Conference on Vocational and Technical Science, Batum, Georgia, 5 - 07 August 2019, pp.15

II. Investigation of Antibacterial and Antifungal Properties of Ag / C containing Nanoparticles

Çelik Kazıcı H., Yönten V., Kivanç M. R., Ertaş M.

International Conference on Vocational and Technical Science, Batum, Georgia, 5 - 07 August 2019, pp.14

III. The Investigation of Effect of Polar And Apolar Extracts of White Chicory (Cichorium İntybus L.) Plant on Angiotensin Converting Enzyme (ACE, EC 3.4.15.1) and Acetylcholinesterase (AChE, EC 3.1.1.7) Enzyme in Human Plasma

Aksuz A., Türkoğlu V., Başı Z., Kivanç M. R.

1. Eurasia Biochemical Approaches & Techonologies (1. EBAT) Congress, Antalya, Turkey, 27 - 30 October 2018, pp.23

IV. IN VITRO EFFECTS OF ACTIVE COMPOUNDS FROM ARUM ELONGATUM STEVEN SUBSP. DETRUNCATUM (C.A. MEY. EX SCHOTT) RIEDL ON BOVINE LIVER GLUTATHIONE REDUCTASE

Kivanç M. R., Türkoğlu V.

International Conference on Applications in Chemistry and Chemical Engineering, Sarajevo, Bosnia And Herzegovina, 11 - 15 October 2017, pp.19

V. The Research of Effect of Vitamin C on Angiotensin Converting Enzyme Purified by Human Plasma.

Başı Z., Türkoğlu V., Kivanç M. R.

The International İğdır Symposium, İğdır, Turkey, 9 - 11 October 2017, pp.191

VI. Effect Of Oxide And Reduced Glutathione On Angiotensin Converting Enzyme Purified By From Human Plasma

Başı Z., Türkoğlu V., Kivanç M. R., Güler M.

3rd International Porous and Powder Materials Symposium and Exhibition PPM 2017, İzmir, Turkey, 12 - 15 September 2017, pp.140

- VII. **A novel glucose and H₂O₂ biosensor based on nafion and amine functionalized reduced graphene oxide**
Türkoğlu V., Güler M., Kıvanç M. R. , Basi Z.
AACD 2016 International Conference 10th Aegean Analytical Chemistry Days, Çanakkale, Turkey, 29 September - 02 October 2016
- VIII. **Electrochemical determination of glucose based on the immobilization of glucose oxidase onto poly(2,3-di(thiophene-2-yl) naphthalene -1,4-dione) modified glassy carbon electrode**
Güler M., Türkoğlu V., Kıvanç M. R. , Kıvrak A., Başı Z., Türkoğlu N.
International conference on applied informatic for health and life science, Turkish-German workshop on bioinformatic resent development from health to nanotechnology, Aydın, Turkey, 19 - 23 October 2014, pp.190
- IX. **Investigation of in vitro effect of *Alcanna tinctoria* root chloroform extract on human erythrocyte 6-phosphogluconate dehydrogenase, glucose 6-phosphate dehydrogenase, and glutathione reductase.**
Çakar M., Türkoğlu V., Başı Z., Güler M., Kıvanç M. R.
International conference on applied informatic for health and life science, Turkish-German workshop on bioinformatic resent development from health to nanotechnology, Aydın, Turkey, 19 - 23 October 2014, pp.195
- X. **The Investigation of in vitro effects of water-soluble extract of *Plantago lanceolata* on human erythrocytes glutathione reductase enzyme activity**
Güler M., Kıvanç M. R. , Türkoğlu V.
The international conference on enzyme science and technology, Aydın, Turkey, 31 October - 04 November 2011, pp.29
- XI. **The effects of some water-soluble pesticides on 6-phosphogluconate dehydrogenase enzyme activity purified from Lake Van fish (*Chalcalburnus tarichii* Pallas, 1811) liver.**
Güler M., Kıvanç M. R. , Türkoğlu V., Başı Z.
1st International Symposium on secondary metabolites chemical, biological and biotechnological properties, Denizli, Turkey, 12 - 15 September 2011, pp.1
- XII. **Van Gölü balığı (*Chalcalburnus tarichii* Pallas, 1811) karaciğerinden saflaştırılan 6-fosfoglukonat dehidrogenaz üzerine bazı ilaçların etkisi: Bir in vitro çalışma**
Güler M., Türkoğlu V., Kıvanç M. R.
Kromatografi 2011, Diyarbakır, Turkey, 7 - 10 September 2011, pp.17
- XIII. **İnsan plazma ve eritrosit hemolizati asetilkolinesteraz (AChE, EC 3.1.1.7) enzimi üzerine bazı antibiyotik ve ağrı kesici ilaçların in vitro etkilerinin araştırılması**
Kıvanç M. R. , Türkoğlu V., Güler M.
Kromatografi 2011, Diyarbakır, Turkey, 7 - 10 September 2011, pp.10

Supported Projects

Türkoğlu V., Kıvanç M. R. , Project Supported by Higher Education Institutions, Sığır Karaciğerinde Affinite Yöntemiyle Saflaştırılan Glutatyon Redüktaz Enzimi Üzerine Suda Çözünebilen Bazı Vitaminlerin Etkilerinin Araştırılması, 2018 - 2019

Türkoğlu V., Kıvanç M. R. , Project Supported by Higher Education Institutions, Sığır Karaciğerinden Afinite Yöntemiyle Saflaştırılan Glutation Redüktaz Enzimi Üzerine Arum L.(Yılanıyastığı)Ekstraktından Kolon Kromatografisi ile İzole Edilen Bazı Etken Maddelerin Etkisinin Araştırılması, 2013 - 2016

Türkoğlu V., Kıvanç M. R. , Project Supported by Higher Education Institutions, Van Gölü Balığı Beyin Homojenatından Afinite Kromatografisi ile Saflaştırılan 6-Fosfoglukonat dehidrogenaz (EC 1.1.1.44; 6 PGD) Enziminin Özelliklerinin Araştırılması ve Bazı Pestisidlerin Etkilerinin İncelenmesi, 2012 - 2014

Citations

Total Citations (WOS):20

h-index (WOS):2