

## Asst. Prof. ELİF KAYA TİLKİ

### Personal Information

**Email:** elif\_kaya@anadolu.edu.tr

**Web:** [https://avesis.anadolu.edu.tr/elif\\_kaya](https://avesis.anadolu.edu.tr/elif_kaya)

### International Researcher IDs

ORCID: 0000-0003-2122-5324

Publons / Web Of Science ResearcherID: L-6073-2017

ScopusID: 57188839201

Yoksis Researcher ID: 121099

### Education Information

Doctorate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakoloji (Dr), Turkey 2014 - 2020

Postgraduate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakoloji (YI) (Tezli), Turkey 2012 - 2014

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Eczacılık Pr., Turkey 2007 - 2012

### Dissertations

Doctorate, Epigenetik mekanizmalar üzerine etkili ilaçların nöroinflamasyon hücre modelinde nöroprotektif rollerinin araştırılması, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakoloji (Dr), 2020

Postgraduate, DNA metiltransferaz inhibitörü RG108 ve histon deasetilaz inhibitörü trikostatın a'nın nörit gelişiminde epigenetik etkilerinin karşılaştırılması, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmakoloji (YI) (Tezli), 2014

### Academic Titles / Tasks

Research Assistant, Anadolu University, ECZACILIK FAKÜLTESİ, ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ, 2010 - Continues

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

- I. **Evaluation of Cell Proliferation and Wound Healing Effects of Vitamin A Palmitate-Loaded PLGA/Chitosan-Coated PLGA Nanoparticles: Preparation, Characterization, Release, and Release Kinetics**  
Baghirova L., Kaya Tilki E., Öztürk A. A.  
ACS Omega, 2022 (SCI-Expanded)
- II. **Investigation of the neuroprotective and neuritogenic effects of halotolerant Penicillium flavigenum-derived sorbicillin-like compounds on PC-12 Adh cells**  
KAYA TİLKİ E., Engur ozturk S., ÖZARDA M. G., CANTÜRK Z., DİKMEN M.  
CYTOTECHNOLOGY, vol.73, no.6, pp.801-813, 2021 (SCI-Expanded)
- III. **Neuroprotective effects of some epigenetic modifying drugs' on Chlamydia pneumoniae-induced neuroinflammation: A novel model**  
KAYA TİLKİ E., DİKMEN M.  
PLOS ONE, vol.16, no.11, 2021 (SCI-Expanded)

- IV. **Targeting epigenetic chromatin modification enzymes upregulated by M2c macrophage polarization with a proteasome inhibitor ixazomib in lung cancer: a novel approach**  
KAYA TILKI E., Ozturk S. E.  
EUROPEAN JOURNAL OF IMMUNOLOGY, vol.51, pp.308, 2021 (SCI-Expanded)
- V. **Design, Synthesis, and Neuroprotective Effects of a Series of Pyrazolines against 6-Hydroxydopamine-Induced Oxidative Stress**  
ÖZDEMİR A., SEVER B., ALTINTOP M. D., KAYA TILKI E., DİKMEN M.  
MOLECULES, vol.23, no.9, 2018 (SCI-Expanded)
- VI. **NEURITOGENIC ACTIVITY OF EPIGALLOCATECHIN GALLATE AND CURCUMIN COMBINATION ON RAT ADRENAL PHEOCHROMOCYTOMA CELLS**  
DİKMEN M., KAYA TILKI E., Engur S., ÖZTÜRK Y.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, no.7, pp.4726-4733, 2017 (SCI-Expanded)
- VII. **Evaluation of antiangiogenic and antimetastatic effects of Penicillium chrysogenum secondary metabolites**  
DİKMEN M., CANTÜRK Z., KAYA TILKI E., Engür S.  
Indian Journal of Pharmaceutical Sciences, vol.79, no.1, pp.49-57, 2017 (SCI-Expanded)
- VIII. **Effects of DNMT and HDAC Inhibitors (RG108 and Trichostatin A) on NGF-induced Neurite Outgrowth and Cellular Migration**  
KAYA TILKI E., DİKMEN M., ÖZTÜRK Y.  
INTERNATIONAL JOURNAL OF PHARMACOLOGY, vol.12, no.4, pp.351-360, 2016 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Anti-tumoral activity of Allium roseum compounds on breast cancer cells MCF7 and MDA-MB231**  
Haffani Y. Z. Z., Louati K., KAYA TILKI E., Mami N. B., Mbarek S., Halim N. B., Boudhrioua N., ÖZTÜRK Y., Chekir R. B. C., DİKMEN M.  
ADVANCES IN TRADITIONAL MEDICINE, 2023 (ESCI)
- II. **Synthesis and anticancer activity of new carbohydrazide derivatives bearing furan moiety**  
TOK F., KAYA TILKI E., DİKMEN M., KAYMAKÇIOĞLU B.  
JOURNAL OF RESEARCH IN PHARMACY, vol.26, no.1, pp.13-19, 2022 (ESCI)
- III. **Comparison of the apoptotic effects of bortezomib using 2D and 3D co-culture models of THP-1 derived macrophage and A549 lung cancer**  
Ozturk S. E., Kaya Tilki E., Dikmen M., Cantürk Z.  
JOURNAL OF RESEARCH IN PHARMACY, vol.25, no.4, pp.490-499, 2021 (ESCI)
- IV. **Antiproliferative Effects of a Series of Pyrazolines on Lung Cancer**  
SEVER B., ALTINTOP M. D., KAYA TILKI E., DİKMEN M., ÖZDEMİR A.  
PROCEEDINGS (MDPI), vol.2, no.25, pp.1574, 2018 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **COL1A1 GENE STIMULATION BY KETOROLAC TROMETHAMINE LOADED NANO-SPRAY DRIED NANOPARTICLES**  
ÖZTÜRK A. A., ÇEVİKELLİ T., GÜVEN U. M., KAYA TILKI E.  
20th International Pharmaceutical Technology Symposium-IPTS 2022, Online, Turkey, 21 February 2022
- II. **A New Perspective on Proteasome Inhibitors: A549 Lung Cancer Cell Microenvironment with M1 Polarized Macrophages**  
ENGÜR ÖZTÜRK S., KAYA TILKI E.  
International Conferences on Science and Technology, Natural Science and Technology, Budva, Montenegro, 8 - 10 September 2021, pp.23-29

- III. **Targeting epigenetic chromatin modification enzymes upregulated by M2c macrophage polarization with a proteasome inhibitor ixazomib in lung cancer: a novel approach**  
KAYA TILKI E., ENGÜR ÖZTÜRK S.  
6th European Congress of Immunology, İstanbul, Turkey, 01 September 2021
- IV. **Evaluation of cell viability in a Chlamydia pneumoniae-induced neuroinflammation co-culture model**  
KAYA TILKI E., DIKMEN M.  
International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), Ankara, Turkey, 16 December 2020
- V. **Potentiation of the neuritogenic effects of PC-12 Adh Cells with Trichostatin A and RG108 combination**  
KAYA TILKI E., ENGÜR ÖZTÜRK S., DIKMEN M.  
International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), Ankara, Turkey, 16 - 18 December 2020
- VI. **The effects on neuronal differentiation of Trichostatin-A and RG108 combinations using Real Time Cell Analysis**  
ENGÜR ÖZTÜRK S., KAYA TILKI E., DIKMEN M.  
BioTechBioChem, Ankara, Turkey, 16 November 2020
- VII. **Antiproliferative Effects of a Series of Pyrazolines on Lung Cancer**  
SEVER B., ALTINTOP M. D., KAYA TILKI E., DIKMEN M., ÖZDEMİR A.  
2nd International Cell Death Research Congress-Turkey (3rd Congress of Cell Death Research Society-TURKEY), Izmir-TURKEY, 1 - 04 November 2018
- VIII. **Synthesis and Neuroprotective Effects of New Pyrazoline Derivatives**  
ÖZDEMİR A., SEVER B., ALTINTOP M. D., KAYA TILKI E., DIKMEN M.  
Italian-Spanish-Portuguese Joint Meeting in Medicinal Chemistry MedChemSicily2018, Palermo-ITALY, 17 - 20 July 2018
- IX. **Neuroprotective Effects of Some Pyrazoline Derivatives Against 6-OHDA Induced Neurodegeneration**  
SEVER B., ALTINTOP M. D., ÖZDEMİR A., KAYA TILKI E., DIKMEN M.  
ISOPS 12th International Symposium on Pharmaceutical Science, Ankara, Turkey, 26 - 29 June 2018
- X. **Enhanced Apoptotic effects of Bortezomib on Lung Adenocarcinoma by using Co-Culture models of THP-1 derived Macrophage**  
Engür S., DIKMEN M., KAYA TILKI E., CANTÜRK Z.  
EMBL Symposium Innate Immunity in Host-Pathogen Interactions, Heidelberg, Germany, 24 - 27 June 2018
- XI. **Induction of Proinflammatory cytokines (IL-1 $\beta$  and CD218a) in Macrophage cells during Chlamydia pneumoniae infection.**  
KAYA TILKI E., DIKMEN M., Engür S., CANTÜRK Z., ÖZTÜRK Y.  
EMBL Symposium Innate Immunity in Host-Pathogen Interactions, Heidelberg, Germany, 24 - 27 June 2018
- XII. **Synthesis and evaluation of a series of pyrazoline derivatives as potential neuroprotective agents**  
SEVER B., ALTINTOP M. D., KAYA TILKI E., DIKMEN M., ÖZDEMİR A.  
the 4rd International Conference on Applied Biological Sciences (ICABS 2018), Eskişehir, Turkey, 3 - 05 May 2018
- XIII. **Effects of Sorbicillin-like Secondary Metabolite on 6-OHDA-Induced in vitro Parkinson's Disease Model**  
KAYA TILKI E., DIKMEN M., Engür S., CANTÜRK Z., ÖZARDA M. G.  
4th INTERNATIONAL CONGRESS ON APPLIED BIOLOGICAL SCIENCES (ICABS), Eskişehir, Turkey, 3 - 05 May 2018
- XIV. **Optimization of Spheroid Growth in AlgMatrix 3D Culture System**  
Engür S., DIKMEN M., KAYA TILKI E., CANTÜRK Z.  
4th INTERNATIONAL CONGRESS ON APPLIED BIOLOGICAL SCIENCES (ICABS), Eskişehir, Turkey, 3 - 05 May 2018
- XV. **Effects of Histone Deacetylase Inhibitor Trichostatin A and DNA Methyltransferase Inhibitor RG108 Combination on THP-1 Monocyte Cells' Cytokine Levels**  
KAYA E., ENGÜR S., DIKMEN M., CANTÜRK Z.  
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, 26 - 29 April 2017
- XVI. **Pro/Anti Inflammatory Potency of Aspergillus Terreus Secondary Metabolites on Human THP-1**

## **Monocytes**

DİKMEN M., CANTÜRK Z., KAYA TILKI E., ENGÜR S., ÖZARDA M. G.

IVEK Uluslararası İlaç ve Eczacılık Kongresi, 26 - 29 April 2017

- XVII. **Investigation of Pro/Anti Inflammatory Effects of Ethylacetate Extracts of Penicillium Sp. on Human THP-1 Monocyte Cells**  
ENGÜR S., DİKMEN M., KAYA TILKI E., CANTÜRK Z., ÖZARDA M. G.  
IVEK Uluslararası İlaç ve Eczacılık Kongresi, 26 - 29 April 2017
- XVIII. **Induction of Neurite Outgrowth Associated Bcl-2 Gene Expression Levels by Epigenetic Mechanisms Related Compounds**  
KAYA E., ENGÜR S., DİKMEN M.  
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, 26 - 29 April 2017
- XIX. **Effects of Epigenetic Mechanisms Related Compounds On Neurotrophin Signaling Pathway**  
ENGÜR S., DİKMEN M., KAYA E., ÖZTÜRK Y.  
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, 26 - 29 April 2017
- XX. **Real time monitoring of the antiproliferative and antimetastatic effects of clotrimazole on A549 and Caco 2 cells**  
KAYA E., ENGÜR S., ÖZARDA M. G., CANTÜRK Z., DİKMEN M.  
Basel Life Science Week, 19 - 23 September 2016
- XXI. **Cell Proliferative and Neuritogenic Effects of Trichostatin A and RG108 Combination on NGF induced Neurite Outgrowth of PC 12 Adh Cells**  
Engür S., DİKMEN M., KAYA E., ÖZTÜRK Y.  
Basel Life Science Week & MipTec 2016, Basel, Switzerland, 19 - 23 September 2016
- XXII. **Investigation of antiproliferative and apoptotic effects of tioconazole on Caco 2 cell line**  
ÖZARDA M. G., CANTÜRK Z., KAYA E., ENGÜR S., DİKMEN M.  
Basel Life Science Week, 19 - 23 September 2016
- XXIII. **Neuritogenic Potential of DNMT and HDAC Inhibitors RG108 and Trichostatin A Combination on NGF induced Neurite Outgrowth of PC 12 Adh Cells**  
KAYA E., DİKMEN M., Engür S., ÖZTÜRK Y.  
Basel Life Science Week & MipTec 2016, Basel, Switzerland, 19 - 23 September 2016
- XXIV. **Investigation of the effects of Pleurotus ostreatus an edible mushroom on PC 12 Adh cell differentiation**  
CANTÜRK Z., DİKMEN M., ENGÜR S., ÖZARDA M. G., KAYA E.  
Basel Life Science Week, 19 - 23 September 2016
- XXV. **Investigation of the effects of Pleurotus ostreatus an edible mushroom on PC 12 Adh cell differentiation**  
CANTÜRK Z., DİKMEN M., Engür S., ÖZARDA M. G., KAYA E.  
Mip Tec 2016, 19 - 23 September 2016
- XXVI. **Investigation of antiproliferative effects of salicylanilide on Caco 2 A549 and MCF 7 cell lines**  
ÖZARDA M. G., CANTÜRK Z., KAYA E., ENGÜR S., DİKMEN M.  
Basel Life Science Week, 19 - 23 September 2016
- XXVII. **Investigation of anticancer effects of exopolysaccharides isolated from Pleurotus ostreatus on colon and lung cancer cell lines**  
DİKMEN M., CANTÜRK Z., KAYA E., ENGÜR S., ÖZARDA M. G.  
Basel Life Science Week, 19 - 23 September 2016
- XXVIII. **Antiproliferative and antimetastatic effects of miconazole on human non small lung and colon cancer cells**  
ENGÜR S., KAYA E., ÖZARDA M. G., DİKMEN M., CANTÜRK Z.  
Basel Life Science Week, 19 - 23 September 2016
- XXIX. **Investigation of anticancer effects of exopolysaccharides isolated from pleurotus ostreatus on colon and lung cancer cells lines P065**  
DİKMEN M., CANTÜRK Z., KAYA E., Engür S., ÖZARDA M. G.

Basel Life Science Week & MipTec Exhibition, Basel, Switzerland, 19 - 22 September 2016

- XXX. **Investigation of antiproliferative and apoptotic effects of tioconazole on Caco 2 cell line P068**  
ÖZARDA M. G., CANTÜRK Z., KAYA E., Engür S., DİKMEN M.  
Basel Life Science Week & MipTec Exhibition, Basel, Switzerland, 19 - 22 September 2016
- XXXI. **Neuritogenic potential of DNMT and HDAC inhibitors RG108 and Trichostatin A combination on NGF induced neurite outgrowth of PC 12 adh cells P064**  
KAYA E., DİKMEN M., Engür S., ÖZTÜRK Y.  
Basel Life Science Week & MipTec Exhibition, Basel, Switzerland, 19 - 22 September 2016
- XXXII. **Investigation of antiproliferative effects of salicylanilide on Caco 2 A549 and MCF7 cell lines P058**  
ÖZARDA M. G., CANTÜRK Z., KAYA E., Engür S., DİKMEN M.  
Basel Life Science Week & MipTec Exhibition, Basel, Switzerland, 19 - 22 September 2016
- XXXIII. **Antiproliferative and antimetastatic effects of miconazole on human non small lung and colon cancer cells P063**  
Engür S., KAYA E., ÖZARDA M. G., DİKMEN M., CANTÜRK Z.  
Basel Life Science Week & MipTec Exhibition, Basel, Switzerland, 19 - 22 September 2016
- XXXIV. **Real time monitoring of the antiproliferative and antimetastatic effects of clotrimazole on A549 and Caco 2 cells P062**  
KAYA E., Engür s., ÖZARDA M. G., CANTÜRK Z., DİKMEN M.  
Basel Life Science Week & MipTec Exhibition, Basel, Switzerland, 19 - 22 September 2016
- XXXV. **Effects of an Epigenetic Drug A Histon Deacetylase Inhibitor on Neurite Outgrowth of PC 12 Adh Cells**  
KAYA E., DİKMEN M., SELİN E.  
1st Pharmacogenomics İstanbul Summit, 27 - 28 November 2015
- XXXVI. **Effects of a Novel DNA Methyltransferase Inhibitor RG108 on a Neurite Outgrowth Marker GAP 43 mRNA Expression Levels**  
ENGÜR S., KAYA E., DİKMEN M.  
1st Pharmacogenomics İstanbul Summit, 27 - 28 November 2015
- XXXVII. **Investigation of the Effects of 5 Fluorocytosine on Cytokine Levels of Human Monocytes**  
CANTÜRK Z., Özarda M. G., DİKMEN M., Engür S., KAYA E.  
1. Pharmacogenomics İstanbul Summit, İstanbul, Turkey, 27 - 28 November 2015
- XXXVIII. **Investigation on the Effects of 5 Fluorocytosine on Cytokine Levels of Human Monocytes**  
CANTÜRK Z., ÖZARDA M. G., DİKMEN M., ENGÜR S., KAYA E.  
1st Pharmacogenomics İstanbul Summit, 27 - 28 November 2015
- XXXIX. **Diabetic Retinopathy and Associated Gene Polymorphisms**  
KAYA E., DİKMEN M., ENGÜR S.  
1st Pharmacogenomics İstanbul Summit, 27 - 28 November 2015
- XL. **Diabetic Nephropathy Susceptibility and Pharmacogenetic Approaches**  
ENGÜR S., DİKMEN M., KAYA E.  
1st Pharmacogenomics İstanbul Summit, 27 - 28 November 2015
- XLI. **Effects of RG108 an Epigenetic Drug on Neuronal Differentiation and Neurite Outgrowth of PC 12 Adh Cell Line**  
KAYA E., DİKMEN M., ÖZTÜRK Y.  
International Multidisciplinary Symposium on Drug Research and Development, Eskişehir, Turkey, 15 - 17 October 2015, pp.141
- XLII. **Effects of RG108 an Epigenetic Drug on Neuronal Differentiation and Neurite Outgrowth of PC 12 Adh Cell Line**  
KAYA E., DİKMEN M., ÖZTÜRK Y.  
International Multidisciplinary Symposium On Drug Research & Development, Turkey, 15 - 17 October 2015
- XLIII. **Inducing Effects Of Trichostatin A on PC 12 Adh Cell Migration**  
KAYA E., DİKMEN M.  
International Multidisciplinary Symposium On Drug Research & Development, Turkey, 15 - 17 October 2015

- XLIV. **Anticancer Activity of Some Amide Derivatives Bearing Hydrazide Moiety**  
TOK F., KAYA TILKI E., DIKMEN M., KAYMAKÇIOĞLU B.  
6th BBBB Conference on Pharmaceutical Sciences, 10 - 12 September 2015
- XLV. **A DNA Methyltransferase Inhibitor RG108 Potentiates NGF Induced Neurite Outgrowth of PC 12 Adh Cells**  
KAYA E., SELİN E., DIKMEN M.  
International Work-Conference on Bioinformatics and Biomedical Engineering, 15 - 17 April 2015
- XLVI. **Comparison of the Cytotoxic Effects of RG108 A DNA Methyltransferase Inhibitor Alone and Combination With Nerve Growth Factor on PC 12 Adh Cells**  
ENGÜR S., KAYA E., DIKMEN M., ÖZTÜRK Y.  
International Work-Conference on Bioinformatics and Biomedical Engineering, 15 - 17 April 2015
- XLVII. **Comparison of the Cytotoxic Effects of RG108 (A DNA Methyltransferase Inhibitor) and Trichostatin A (A Histone Deacetylase Inhibitor) on PC-12 Adh Cells**  
KAYA TILKI E., DIKMEN M., ÖZTÜRK Y.  
Drug Discovery and Therapy World Congress, Boston, United States Of America, 16 June 2014
- XLVIII. **A549 İnsan Akciğer Kanseri Hücrelerinde Trikostatin A ve RG108'in Antiproliferatif Etkilerinin Karşılaştırılması**  
KAYA TILKI E., ENGÜR ÖZTÜRK S., DIKMEN M.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 June 2014
- XLIX. **A549 İnsan Akciğer Kanseri Hücrelerinde Trikostatin A ve RG108 in Antiproliferatif Etkilerinin Karşılaştırılması MBG P2 41**  
KAYA E., Engür S., DIKMEN M.  
22. Ulusal Biyoloji Kongresi(UBK), Eskişehir, Turkey, 23 - 27 June 2014

## Supported Projects

- ÖZTÜRK A. A., KAYA TILKI E., KIYAN H. T., Project Supported by Higher Education Institutions, COL1A1 geni üzerine etkili topikal sistemlerin formülasyonu, karakterizasyonu ve in vivo HET-CAM testi ile anti-inflamatuvar etkinliğinin belirlenmesi, 2021 - Continues
- CANTÜRK Z., DIKMEN M., KAYA TILKI E., Proteazom İnhibitörleri Bortezomib Ve İxazomib'In M2c Polarize Makrofaj Ile Oluşturulan A549 Akciğer Kanseri Ko-Kültür Modelinde Metastaz inflamasyon Birlikteliğinin Araştırılması, 2020 - 2021
- Kaya Tilki E., Dikmen M., Öztürk Y., Cantürk Z., Project Supported by Other Official Institutions, İn vitro İnflamatuvar Barsak Hastalığı Modelinde Sorbisillin Benzeri Bileşiklerin İmmünolojik Etkilerinin Değerlendirilmesi, 2018 - 2019
- Özdemir A., Altıntop M. D., Dikmen M., Sever B., Kaya Tilki E., Project Supported by Higher Education Institutions, Yeni Pirazolin Türevlerinin Sentez ve Nöroprotektif Etki Çalışmaları, 2018 - 2019
- CANTÜRK Z., ÖZTÜRK Y., KAYA TILKI E., Project Supported by Higher Education Institutions, THP-1 Kökenli Makrofaj ve A549 Akciğer Kanseri 2D ve 3D Ko-Kültür Modelleri Kullanılarak Bortezomibin Apoptotik Etkilerinin Karşılaştırılması, 2017 - 2018
- CANTÜRK Z., DIKMEN M., Halotolerant Penicillium Flavigenum'a Ait Sorbisillin Benzeri Bileşiklerin PC-12 Adh Hücrelerinde Nöroprotektif ve Nöritojenik Etkilerinin Araştırılması, 2016 - 2018
- CANTÜRK Z., ÖZARDA M. G., DIKMEN M., KAYA TILKI E., Project Supported by Higher Education Institutions, Aspergillus terreus ve Penicillium chrysogenum Sekonder Metabolitlerinin Antiinflamatuvar Etkilerinin Araştırılması, 2016 - 2017
- ÖZTÜRK Y., DIKMEN M., KAYA TILKI E., Project Supported by Higher Education Institutions, DNA Metiltransferaz İnhibitörü RG108 in Nörit Gelişimi Üzerine Etki Mekanizmalarının Araştırılması, 2015 - 2017
- CANTÜRK Z., ÖZARDA M. G., KAYA TILKI E., DIKMEN M., Project Supported by Higher Education Institutions, Bazı Antifungal İlaçların İnsan Monosit Hücrelerinde SitokinSeviyelerine Olan Etkisinin Araştırılması, 2015 - 2016