

2015-2016 EĞİTİM-ÖĞRETİM YILI PHAR 501 – 502 MEZUNİYET PROJESİ KONULARI

Proje no	Proje Başlığı	Proje sorumlusu	Öğrenci Adı
1	<p>Phenolic profile comparison of Turkish propolis samples by HPTLC (Experimental Research) Propolis is a bee-product obtained from the honey-combs. The main functions in the comb is to repair the cracks and to protect the comb from any infection. That's why the main ingredient is completely different than any bee product. Particularly recent scientific evidences have revealed that propolis to possess a wide range of pharmacological effects based on its chemical composition. Eventually characterization of its chemical component has become particularly important. This experimental Project will focus on the chemical fingerprinting of propolis samples obtained from different parts of Turkey by HPTLC (High-performance Thin layer Chromatography).</p>	<p>Prof.Dr. Erdem YEŞİLADA</p> <p>Dr. Etil GÜZELMERİÇ</p>	<p>Rızahan SARIGÖZ</p> <p>Fatih CENGİZ</p>
2	<p>Comparative HPTLC fingerprinting profiles of Turkish silverlime (Tilia tomentosa Moench.) samples collected from Marmara region in Turkey (Experimental Research) Although Tilia cordata and Tilia platyphyllos flower inflorescence are officially recognized by the European Pharmacopoeia, in Turkey and some Balkan countries Silver lime, gümüşü ihlamur, has been known and used as "ihlamur". This study is a part of a joint Project between Yeditepe University, Faculty of Pharmacy and Ministry of Forestry, Research Institute of Marmara Region. The aim of this experimental Project is to determine the chemical variations in the silver lime samples obtained in different seasons and localities in the Marmara Forestry region by HPTLC (High-performance Thin layer Chromatography).</p>	<p>Prof.Dr. Erdem YEŞİLADA</p> <p>Dr. Etil GÜZELMERİÇ</p>	<p>Beren YILDIRIM</p> <p>Damla NİŞANCI</p> <p>Raşit GÖKMENOĞLU</p>
3	<p>Herbal medicines used against Chronic Venous Insufficiency (Literature Research) Chronic venous insufficiency is an frequent health problem due to long-standing or long term table-work, particularly of computer processing. This study aims to review the herbal medicines used for treatment or alleviating the symptom of of such kind health problems.</p>	<p>Prof. Dr. Erdem YEŞİLADA</p> <p>Dr. Etil GÜZELMERİÇ</p>	<p>İbrahim ESKİOCAK</p> <p>Esat KAHYAOĞLU</p>
4	<p>Isolation of cytotoxic secondary metabolites from Glycyrrhiza glabra (Experimental Research) In the framework of this project, cytotoxic secondary metabolites (i.e. flavonoids, isoflavonoids and saponins) will be isolated from the MeOH extract of G. glabra through activity-guided fractionation. The structures of the isolates will be elucidated by UV, IR, 1D and 2D NMR techniques as well as MS. This project will be supported by TÜBİTAK. The student who will be involved in this project should have a minimum of 3.00 CGPA and will be granted.</p>	<p>Prof. Dr. Hasan KIRMIZİBEKMEZ</p>	<p>Şefika Burçin YILMAZGÖZ</p>
5	<p>Secondary metabolites from Asperula involucrata (Experimental Research) The aim of this project is to isolate secondary metabolites particularly iridoids and flavonoids from Asperula involucrata. For this purpose, the aerial parts will be used and compounds will be purified by chromatographic methods such as MPLC, SiO₂, Sephadex LH-20 and polyamide CCs. 1D- and 2D-NMR techniques as well as MS will be used for the structural characterization of isolates.</p>	<p>Prof. Dr. Hasan KIRMIZİBEKMEZ</p>	<p>Cemal Kubilay TİFTİK</p>

6	<p>The effect of gastrointestinal digestion on the bioavailability of phenolic compounds and antioxidant activities of Turkish coffee and green coffee seeds: An in vitro approach (Experimental Research)</p> <p>A comprehensive, practical study regarding the antioxidant potential and phenolic bioavailability of Turkish coffee samples is planned. For the evaluation of GI effects on these terms, in vitro simulation methods will be employed.</p>	<p>Yrd. Doç. Dr. Mehmet Engin CELEP</p>	<p>Tilbe ÇEVİKELLİ</p>
7	<p>Investigation of antimutagenic, antioxidant effects and determination of phenolic profile and trace elements in Cornus mas L. (kızılcık) seeds (Experimental Research)</p> <p>A practical study concerning with the bioactivities and bioactive ingredients in C. mas seeds is planned. For this purpose, in vitro antioxidant and antimutagenic tests will be employed. Phenolic profile will be revealed by HPLC, and trace element levels will be determined by atomic absorption tools.</p>	<p>Yrd. Doç. Dr. Engin CELEP</p> <p>Yrd. Doç. Dr. Dr. Muhammed HAMİTOĞLU</p>	<p>Gözde GÜVENEROĞLU</p> <p>Mervenur ÖRMECİ</p>
11	<p>Cell phone mediated toxicity research (Literature Research)</p> <p>Some studies have been reported that exposure to radiation from mobile phones causes adverse health effects. In contrast, some other reports revealed that there is no proven scientific evidence that electromagnetic radiations emitted from mobile phone may lead to cancer, tumour, mental imbalance, dementia, and headache and even it can damage DNA of a person. The main aim of this project is to provide an overview of the scientific researches available on this issue to ascertain the health risks associated with exposure to electromagnetic radiations emitted from cell phones.</p>	<p>Prof. Dr. Ahmet AYDIN</p>	<p>Teslime Esra SARI</p>
12	<p>Toxicological Evaluation of Turkish sweetgum (Experimental Research)</p> <p>Sweetgum, <i>Styrax liquidus</i> (Turkish sweetgum) is a resinous exudate obtained from the wounded barks of <i>Liquidambar orientalis</i> Mill (Hamamelidaceae) tree and has been used in Turkish folk medicine for centuries as an antiulcerogenic. However, there is not enough information in literature on toxicity data of sweetgum for safe use. This project is planning to conduct a scientific study to investigate the mutagenic and genotoxic potential of Turkish sweetgum in vitro. The mutagenicity will be evaluated by Ames test performed on <i>Salmonella</i> TA98 and TA100 strains. The genotoxicity of this compound will be investigated via the chromosomal aberration assay on human lymphocytes.</p>	<p>Prof. Dr. Ahmet AYDIN</p> <p>Yrd. Doç. Dr. Muhammed HAMİTOĞLU</p>	<p>Gamze ÇİÇEK</p> <p>Tolga ŞENTÜRK</p>
13	<p>Safety Evaluation of Different Kinds of Turkish Honey (Experimental Research)</p> <p>Honey has been used since ancient times as a flavorful sweetener and for its therapeutic and medicinal effects. Consumers' demand for natural, healthy products has driven renewed interest in honey's health benefits. However, there is no enough information on safety data of Turkish honey. The aim of this project is to investigate the mutagenic and genotoxic potential of different kinds of Turkish honey, in vitro.</p>	<p>Prof. Dr. Ahmet AYDIN</p> <p>Yrd. Doç. Dr. Hande SİPAHİ</p>	<p>Gamze AYDOĞAN</p> <p>Ceren AYABAKAR</p>
14	<p>Food Irradiation and Safety (Literature Research)</p> <p>This review will mainly focus on the safety assessment of food irradiation. Food irradiation is the process of exposing foodstuffs to ionizing radiation. This treatment is used to preserve food, reduce the risk of food borne illness, prevent the spread of invasive pests, and delay or eliminate sprouting or ripening. The Food and Drug Administration (FDA) is amending the food additive regulations to provide for the safe use of a 4.5 kilogray (kGy) maximum absorbed dose of ionizing radiation to treat unrefrigerated (as well as refrigerated) uncooked meat, meat byproducts, and certain meat food products to reduce levels of foodborne pathogens and extend shelf life.</p>	<p>Yrd. Doç. Dr. Hande SİPAHİ</p>	<p>Ayşe Handan ÖZKAN</p> <p>Naci Yiğit ATALAY</p>

15	<p>Safety evaluation of novel benzothiazole derivatives with anticancer activity (Experimental Research) Previous studies have been shown that novel benzothiazole derivatives exert selective cytotoxicity over cancer cells, suggesting anticancer activity of these compounds. Since the mutagenic and genotoxic properties of marketed anticancer molecules constitute a main issue to be addressed, this project will be focused on the analysis of the mutagenicity, antimutagenicity and genotoxicity of three different derivatives of this compound.</p>	<p>Yrd. Doç. Dr. Muhammed HAMİTOĞLU Yrd. Doç. Dr. Enise Ece GÜRDAL HAKGÖR</p>	<p>Ezgi TALO</p>
17	<p>Studying on buthyleholinesterase inhibitors (Literature Research) Butilkolin esteraz inhibitörleri üzerine derleme çalışması</p>	<p>Prof. Dr. Hülya AKGÜN</p>	<p>Oğuzhan ÖZCAN Gözen ÖZDEM</p>
18	<p>Synthesis and Anticancer Activity Studies of Piperazinylpyrimidine Based New Compounds (Literature Research) (Piperazinilpirimidin Yapısında Yeni Bileşiklerin Sentezi ve Antikanser Aktivite Çalışmaları) Proje kapsamında, antikanser etki göstermesi hedeflenen yeni bir seri heksahidropirimidin türevi sentezlenecek ve spektral analizler yardımıyla yapı aydınlatılmasını yapılacaktır. Elde edilen bileşikler kolon, meme ve karaciğer vd. hücre hatlarında sitotoksik aktiviteleri değerlendirilecektir.</p>	<p>Prof. Dr. Meriç KÖKSAL AKKOÇ</p>	<p>Hamiyet Şeyma HÖŞÜKOĞLU Tuğçe TAN</p>
19	<p>New Developments on Antiepileptic Drugs (Literatür Research) (Epileptik İlaçlarda Yeni Gelişmeler) Proje, kapsamında, epilepsi tedavisinde kullanılan yeni ilaçlar hakkında literatür derlemesi yapılacaktır.</p>	<p>Prof. Dr. Meriç KÖKSAL AKKOÇ</p>	<p>Can YÖRÜKEREN Necdet Onurcan HAVAN</p>
23	<p>Sensing Cu(II) using click chemistry (Literature Research) "Click Chemistry" is a term that was introduced by K. B. Sharpless in 2001 to describe reactions that are high yielding and wide in scope. Cu(II) catalyzed Huisgen 1,3-dipolar cycloaddition is referred as a click reaction and is nowadays widely used in literature. This project will consist on a literature survey focused on the use of this reaction for the detection of Cu(II) ions.</p>	<p>Yrd. Doç. Dr. Filiz Esra ÖNEN BAYRAM</p>	<p>Ukbe MACİTER</p>
24	<p>Analysis of the toxicity of fluorophores (Experimental Research) Fluorophore dyes are widely used in molecular biology and cell assays. However there is still poor information on the toxicity of these compounds in the literature. This project will deal with the determination of the toxicity of commonly used fluorophore dyes such as BODIPY, fluorescein and coumarin.</p>	<p>Yrd. Doç. Dr. Filiz Esra ÖNEN BAYRAM Yrd. Doç. Dr. Hande SİPAHİ</p>	<p>Özlem KOCAAĞAOĞLU Selin YALÇIN</p>
26	<p>Benzhydrylpiperazine Derivatives with Anticancer Activity (Experimental Research) In this study, we will perform a literature search and collect various papers about the benzhydrylpiperazine derivatives with anticancer activity. The aim of this project is to produce a thorough review article to report the recent advances on this area. Antikanser Aktiviteli Benzhidrilpiperazin Türevleri: Bu çalışmada, literatür taraması yaparak antikanser aktiviteli benzhidrilpiperazin türevleriyle ilgili çeşitli makaleler toplayacağız. Projenin amacı bu alandaki yeni gelişmeleri rapor</p>	<p>Prof. Dr. Mine YARIM YÜKSEL Yrd. Doç. Dr. Enise Ece GÜRDAL HAKGÖR</p>	<p>Merve TANKUŞ Mina ÖZTÜRK</p>

	etmek için geniş bir derleme makale üretmektir.		
27	Developing a new capillary electrophoretic method for some combined drug couples (Experimental Research)	Yrd. Doç. Dr. Ebru TÜRKÖZ ACAR	Selim GÜLLÜOĞLU
28	Investigation of aromatic thiazolidine stability with HPLC (Experimental Research)	Yrd. Doç. Dr. Ebru TÜRKÖZ ACAR Yrd. Doç. Dr. Esra ÖNEN BAYRAM	İrem Leyla AKKOYUNLU Cerensu ŞENGÖR
30	Electrochemical behavior of 1,4-dihydro pyridine derivatives (Experimental & Litreture Research) The purpose of this study is to elucidate the oxidation and reduction mechanisms at glassy carbon electrode (GCE) by cyclic voltammetry (CV) and the dropping mercury electrode (DME) by polarography for DHPs derivatives in aqueous buffered solutions pH between 1 and 12. Based on experimental evidences, electrochemical behavior of DHPs will be investigated and both oxidation and reduction mechanisms will be elucidated. There will be experimental and literature research parts in this project.	Yrd. Doç. Dr. Hayati ÇELİK	Özgün KIYAT
31	Determination of pKa values of some substituted benzoxazoline derivatives (Experimental & Litreture Research) The purpose of this study is to determine the pKa values of some benzoxazolinone derivatives by using a spectrophotometry, potentiometry and CZE methods. The relationship between the acidity constant and analgesic/anti-inflammatory activities of the drug candidates will be discussed. There will be experimental and literature research parts in this project.	Yrd. Doç. Dr. Hayati ÇELİK	Gözde ÇUBUKÇU Gülce Billur ŞEN
32	Electrochemical behavior and determination of dienogest in aqueous solutions (Experimental Research) Analytical methods, such as HPLC, UV-Vis, and/or electroanalytical, will be used to determine quantitatively and qualitatively dienogest. There will be only literature research part in this project.	Yrd. Doç. Dr. Hayati ÇELİK	Bengü YAZICI Semih TOSLALI
33	Hyrogel formulation design (Experimental Research)	Yrd. Doç. Dr. Gülelgül Duman	İlknur GÜNAYDIN Cansu HONÇA
34	Novel Drug delivery systems (Literature Research)	Yrd. Doç. Dr. Gülelgül Duman	Yasemin KOCAOĞLU Hilal AKYÜZ
35	Dental gel formulation (Experimental Research)	Yrd. Doç. Dr. Gülelgül Duman	Ahmet ÇAVDAR Yiğitcan ERTAN

36	Ternary Phase Diagrams with different surfactants (Experimental Research)	Yrd. Doç. Dr. Yasemin UZUNER	Fatma Gül YOLDAŞ
37	In-vitro-and Ex-vivo (Human Skin) penetration studies (Experimental Research)	Yrd. Doç. Dr. Yasemin UZUNER	Dilek ÖZELGÜN Gizem KOÇ
38	In-vitro Cosmetic product Effectiveness Studies by using cell-cultures (Experimental Research)	Yrd. Doç. Dr. Yasemin UZUNER	Seda SERTER Hüseyin ATALAY
39	4-Effectiveness testing of hair-care products (Experimental Research)	Yrd. Doç. Dr. Yasemin UZUNER	Sevde DURMUŞLAR
40	Biosurfactants for pharmaceutical and cosmetic application Biosurfactants are produced by microbes. They can be both hydrophilic and hydrophobic types. They are green alternatives to synthetic surfactants. Various biosurfactants, their production and present & potential usages in pharmaceutical and cosmetic areas will be reviewed in the graduation project.	Yrd. Doç. Dr. Muhammed Abdur RAUF	Yonca Hande UYARARSLAN Serenay Ece UÇAR
41	Silicones in cosmetics Silicone is a generic name for many classes of organosilicone polymers. The multifunctional benefits of silicones make them invaluable ingredients in cosmetic and toiletry formulations. They are included in the formulations of skin care, sun care, decorative, hair care, antiperspirant and deodorant products. Nature of these silicones, their characteristics and all these applications will reviewed in this graduation project.	Yrd. Doç. Dr. Muhammed Abdur RAUF	Zeynep ALPAN BOZKURT Gökhan SOFUOĞLU
42	Formulation of Niosome Entrapped Cosmetic Active Substance (Experimental Research) Niosomes are vesicles composed mainly of hydrated non-ionic surfactants along with cholesterol or its derivatives. Niosome was discovered in cosmetic industry and then its applications progressed to drug delivery. In this practical graduation project, niosomes will be formulated for carrying cosmetically active substance(s).	Yrd. Doç. Dr. Muhammed Abdur RAUF	Burcu Eda ARDA Simla SEZGİN
43	Direkt Tüketiciye Yönelik İlaç Reklamlarının Halk Sağlığına etkisi ile ilgili Eczacı Odaları Yetkililerinin Bakış Açıları Yöntem: Telefon ve web anket Saha: TRdeki tüm ecza odaları (yaklaşık 54 oda, Yönetim kurulu üyeleri)	Yrd. Doç. Dr. Nazlı ŞENCAN	Müge KUTLAY Elif Gözde BİRCAN
44	Direkt Tüketiciye Yönelik İlaç Reklamlarının Halk Sağlığına etkisi ile ilgili Eczacı Akademisyenlerin Bakış Açıları Yöntem: Telefon ve web anket Saha: İstanbul'da bulunan Eczacılık Fakültesi akademisyenleri (7 Fakülte.... ağırlıklı katılımcı)	Yrd. Doç. Dr. Nazlı ŞENCAN	İjlal ÖNER Aslınur Ecem UYGUN

45	Hyrogel formulation design (Dental application) (Experimental Research)	Yrd. Doç. Dr. Gülengül Duman	Asilhan ÖZDENBOYACI Onurhan SAROĞLU
46	Novel Drug Delivery System 2	Yrd. Doç. Dr. Gülengül Duman	Gülçin ÖZER Emel GÜZEL
47	Investigation of aliphatic thiazolidine stability with HPLC (Experimental Research)	Yrd. Doç. Dr. Ebru TÜRKÖZ ACAR Yrd. Doç. Dr. Esra ÖNEN BAYRAM	Oğul Kutay ŞENEN
48	Isotonic Power-aid formulation design	Yrd. Doç. Dr. Gülengül Duman	Onur YİĞİT
49	Which antibiotics can cause schizophrenia symptoms? Drugs do not directly cause schizophrenia, but some studies have shown that certain antibiotics can cause the increases the risk of developing schizophrenia symptoms.	Yrd. Doç. Dr. Hande ŞİPAHİ	Gündem Hande GÖRGİN