

İSTANBUL MEDİPOL UNIVERSITY
SCHOOL OF PHARMACY & ACTA PHARMACEUTICA SCIENCIA

2ND ACTA PHARMACEUTICA SCIENCIA INTERNATIONAL SYMPOSIUM (2ND APSIS) MEDICINAL PLANTS & PHYTOTHERAPY

MEDICINAL
PLANTS

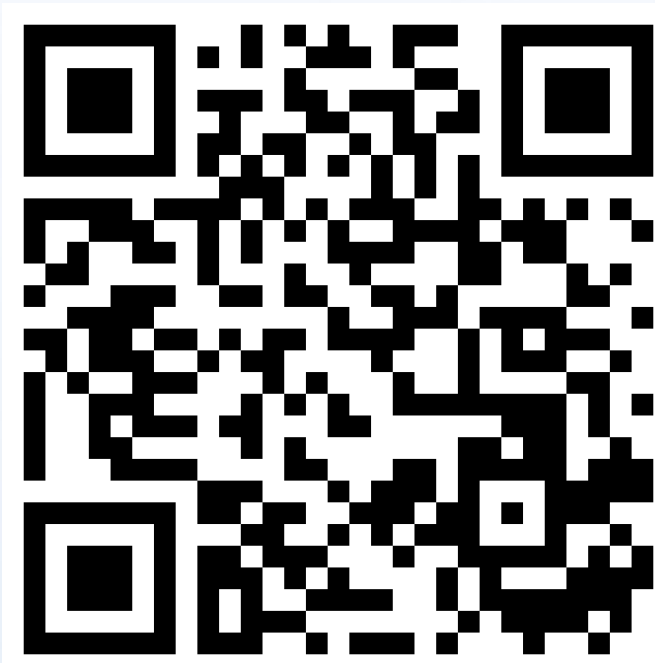
PHYTOTHERAPY

CHAIRS

PROF. DR. GÜLDEN ZEHRA OMURTAG & PROF. DR. AHMET ULVİ ZEYBEK

CO-CHAIRS

ASSOC. PROF. GÜLNUREKŞİ BONA & ASSIST. PROF. İPEK EROĞLU



FOR REGISTRATION

DATE : OCTOBER 4TH, 2023
TIME : 11.00-16.30
PLACE : ONLINE SYMPOSIUM
LINK : <https://medipol-edu-tr.zoom.us/j/96268444163>

2ND ACTA PHARMACEUTICA SCIENCIA
INTERNATIONAL SYMPOSIUM (2ND APSIS)



MEDİPOL
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İSTANBUL MEDİPOL UNIVERSITY
SCHOOL OF PHARMACY

2ND ACTA PHARMACEUTICA SCIENCIA INTERNATIONAL SYMPOSIUM (2ND APSIS)

MEDICINAL PLANTS & PHYTOTHERAPY

GÜLDEN ZEHRA OMURTAG
(CHAIR OF ORGANIZING COMMITTEE)
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
AHMET ULVİ ZEYBEK
(CHAIR OF ORGANIZING COMMITTEE)
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
GÜLNUR EKŞİ BONA
(CO-CHAIR OF ORGANIZING COMMITTEE)
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
İPEK EROĞLU
(CO-CHAIR OF ORGANIZING COMMITTEE)
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(SECRETARY)
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ATATÜRK UNIVERSITY, ERZURUM, TÜRKİYE
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UNIVERSITY OF MUMBAI, MUMBAI, INDIA
AHMET ÖZER ŞEHİRLİ
NEAR EAST UNIVERSITY, LEFKOŞA, CYPRUS
ALPTUĞ EREN KARAKÜÇÜK
ANKARA MEDİPOL UNIVERSITY, ANKARA, TÜRKİYE
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AYFER BECEREN
MARMARA UNIVERSITY, ISTANBUL, TÜRKİYE
AYŞE ESRA KARADAĞ
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
AYŞEGÜL ÇAŞKURLU
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
AYŞE NUR YAVUZ
MARMARA UNIVERSITY, ISTANBUL, TÜRKİYE
BANU KARACA
ATLAS UNIVERSITY, ISTANBUL, TÜRKİYE
BETÜL GIRAY
İSTİNYE UNIVERSITY, ISTANBUL, TÜRKİYE
BİLGESU ONUR SUCU
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
BURCU İREM OMURTAG KORKMAZ
MARMARA UNIVERSITY, ISTANBUL, TÜRKİYE
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ÇAĞLAR MACİT
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
DAMLA KIRCI
SELÇUK UNIVERSITY, KONYA, TÜRKİYE
DHANASHREE SANAP
BHARATI VIDYAPEETH'S COLLEGE OF PHARMACY,
MUMBAI, INDIA
EVREN ÖNAY UÇAR
ISTANBUL UNIVERSITY, ISTANBUL, TÜRKİYE
ELİF SÜMEYYE KAHYA
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
EBRU IŞIK ALTURFAN
MARMARA UNIVERSITY, ISTANBUL, TÜRKİYE

ESRA TATAR
MARMARA UNIVERSITY, ISTANBUL, TÜRKİYE
EMİNE ŞALVA
İNÖNÜ UNIVERSITY, MALATYA, TÜRKİYE
EMİNE ALARÇİN
MARMARA UNIVERSITY, ISTANBUL, TÜRKİYE
ERKAN RAYAMAN
MARMARA UNIVERSITY, ISTANBUL, TÜRKİYE
ELİF EDE ÇİNTESUN
ISTANBUL ZAİM UNIVERSITY, ISTANBUL, TÜRKİYE
EMRAH ÖZAKAR
ATATÜRK UNIVERSITY, ERZURUM, TÜRKİYE
FATİH DEMİRCİ
ANADOLU UNIVERSITY, ESKİŞEHİR, TÜRKİYE
FATMA TOSUN
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
GÖKÇEN YAŞAYAN
YEDİTEPE UNIVERSITY, ISTANBUL, TÜRKİYE
GÜLGÜN TINAZ
MARMARA UNIVERSITY, ISTANBUL, TÜRKİYE
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AL-MAAQL UNIVERSITY, BASRAH, IRAQ
HACER KARATAS BRISTOW
WEST VIRGINIA UNIVERSITY, MORGANTOWN, USA
HALİL TEKİNER
ERCİYES UNIVERSITY, KAYSERİ, TÜRKİYE
HALİME UÇUR
KÜTAHYA HEALTH SCIENCES UNIVERSITY, KUTAHYA, TÜRKİYE
HANEFİ ÖZBEK
BAKIRÇAY UNIVERSITY, IZMİR, TÜRKİYE
HURİYE ERARSLAN
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
İLKAY ERDOĞAN ORHAN
GAZİ UNIVERSITY, ANKARA, TÜRKİYE
İPEK EROĞLU
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
İSMAIL TUNCER DEĞİM
BİRÜNİ UNIVERSITY, ISTANBUL, TÜRKİYE
JALE ÇATAK
ISTANBUL ZAİM UNIVERSITY, ISTANBUL, TÜRKİYE
KÜBRA ELÇİOĞLU
MARMARA UNIVERSITY, ISTANBUL, TÜRKİYE
LALEH KHODAİE
TABRİZ UNIVERSITY, TABRİZ, IRAN
MELİH BUĞRA AÇ
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
MELİKE ZEYNEP ÜNÜKÜR
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
MERYEM NUR BAŞ
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
MİNE KOÇYİĞİT
ISTANBUL UNIVERSITY, ISTANBUL, TÜRKİYE
MİNE YARIM YÜKSEL
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
MOHD YOUNİS RATHER
GOVERNMENT MEDICAL COLLEGE SRINAGAR, SRINAGAR, INDIA

MEHMET KOÇAK
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
MURAT GÜRBÜZ
TRAKYA UNIVERSITY, EDİRNE, TÜRKİYE
MUSTAFA YAMAN
ISTANBUL ZAİM UNIVERSITY, ISTANBUL, TÜRKİYE
MUHAMMED YUNUS BEKTAY
BEZMİALEM VAKIF UNIVERSITY, ISTANBUL, TÜRKİYE
NERİMAN İPEK KIRMIZI SÖNMEZ
BAHÇEŞEHİR UNIVERSITY, ISTANBUL, TÜRKİYE
NEDA TANER
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
NİLAY DOĞAN
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
NURSU AYLİN KASA
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
OYA KERİMOĞLU
MARMARA UNIVERSITY, ISTANBUL, TÜRKİYE
PAKİZE YİĞİT
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
PINAR SİNEM OMURTAG ÖZGEN
MARMARA UNIVERSITY, ISTANBUL, TÜRKİYE
PERVİN RAYAMAN
MARMARA UNIVERSITY, ISTANBUL, TÜRKİYE
RASHİDA MUHAMMAD UMAR
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
RUKİYE SEVİNÇ ÖZAKAR
ATATÜRK UNIVERSITY, ERZURUM, TÜRKİYE
SEVDE NUR BİLTEKİN KALELİ
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
SEMA KOYUTÜRK
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
SEZGİN BAKIRDERE
YILDIZ TECHNICAL UNIVERSITY, ISTANBUL, TÜRKİYE
SEDA ÜNSALAN
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
SEVDA SÜZGEÇ SELÇUK
ISTANBUL UNIVERSITY, ISTANBUL, TÜRKİYE
SİBEL ÖZDEN
ISTANBUL UNIVERSITY, ISTANBUL, TÜRKİYE
SEZGİN AYDEMİR
MARMARA UNIVERSITY, ISTANBUL, TÜRKİYE
SONGÜL TEZCAN
MARMARA UNIVERSITY, ISTANBUL, TÜRKİYE
ŞÜKRAN KÜLTÜR
İSTANBUL UNIVERSITY, ISTANBUL, TÜRKİYE
TURGUT TAŞKIN
MARMARA UNIVERSITY, ISTANBUL, TÜRKİYE
ÜMİT CAN ERİM
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
YASEMİN YOZGAT BYRNE
ISTANBUL MEDİPOL UNIVERSITY, ISTANBUL, TÜRKİYE
ZAHRAA AMER HASHİM
MOSUL UNIVERSITY, MOSUL, IRAQ

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İSTANBUL MEDİPOL UNIVERSITY
SCHOOL OF PHARMACY

Zoom Web Semineri

Kayıt

The grid consists of four rows and four columns. The first row contains four active video feeds of participants: Nursu Aylın Kasa, Gülden Omurtag, M. Elif Budra AG, and Fatma Sarı. The second row contains four placeholder tiles with the following text: 'Assist. Prof. İpe...', 'Assist. Prof. Jas...', 'İstanbul Medip...', and a purple square with a white 'e'. The third row contains two placeholder tiles: 'Ahmet Ulvi ZEY...' and 'Prof.Dr. Liselott...'. The fourth row is empty.

Nursu Aylın Kasa
Gülden Omurtag
M. Elif Budra AG
Fatma Sarı

Assist. Prof. İpe...
Assist. Prof. Jas...
İstanbul Medip...
e

Assist. Prof. İpek EROĞLU
Assist. Prof. Jasna DŽANANOVIĆ JAGANIAC
İstanbul Medipol Üniversitesi
Sümeyye Elif Kahya

Ahmet Ulvi ZEY...
Prof.Dr. Liselott...
Ahmet Ulvi ZEYBEK
Prof.Dr. Liselotte KRENN

Ara

Egemenlik Caddesi k... 11:00 4.10.2023

Zoom Web Semineri

Kayıt

Görüntüle

The grid consists of four rows and four columns. The first row contains four active video feeds of participants: Nursu Aylın Kasa, Gülden Omurtag, M. Elif Budra AG, and Fatma Sarı. The second row contains four placeholder tiles with the following text: 'Assist. Prof. İpek EROĞLU', 'Assist. Prof. Jas...', 'İstanbul Medip...', and a purple square with a white 'e'. The third row contains two placeholder tiles: 'Ahmet Ulvi ZEY...' and 'Prof.Dr. Liselott...'. The fourth row is empty.

Nursu Aylın Kasa
Gülden Omurtag
M. Elif Budra AG
Fatma Sarı

Assist. Prof. İpek EROĞLU
Assist. Prof. Jas...
İstanbul Medip...
e

Assist. Prof. İpek EROĞLU
Assist. Prof. Jasna DŽANANOVIĆ JAGANIAC
İstanbul Medipol Üniversitesi
Sümeyye Elif Kahya

Ahmet Ulvi ZEY...
Prof.Dr. Liselott...
Ahmet Ulvi ZEYBEK
Prof.Dr. Liselotte KRENN

Sesi aç Videoyu Durdur

Kablimcılar 27 Soru-Cevap Sohbet Ekranı paylaş Kaydet Parmak Kaldır Uygulamalar Beyaz Tahtalar

Ara

20°C Güneşli 11:01 4.10.2023

Zoom Web Semineri

Kayıt

Fatma Sari

Assist. Prof. Dha...

Prof. Dr. Liselott...

Prof. Dr. Şükran...

Assist. Prof. Jasn...

İstanbul Medipo...

Assist. Prof. Dhanashree SANAP

Prof. Dr. Liselotte KRENN

Prof. Dr. Şükran KÜLTÜR

Assist. Prof. Jasna DŽANANOVIĆ JAGANIAC

İstanbul Medipol Üniversite

Sümeyye Elif Kahya

Ahmet Ulvi ZEYBEK

Dr. Reinhard LÄ...

Dr. Reinhard LÄNGER

20°C Güneşli 11:08 4.10.2023

Web semineri sohbeti

alıcı Oturum sahipleri ve panelistler 11:04 #

DR Dear colleagues, I have to first lecture, but cannot turn on the Micro or the camera

Also no possibility to share the screen

alıcı Oturum sahipleri ve panelistler 11:04 #

NA Hello Dr. We're on it.

Mesajlarınızı kimler görebilir? Kayıt Açık

Alıcı: Nursu Aylin... (Doğrudan Mesaj)

Mesajı buraya yazın...

Zoom Web Semineri

Kayıt

Nursu Aylin Kasa

Gulden Omurtag

Assist. Prof. Ipek EROGLU

İstanbul Medipol University

Dr. Reinhard LÄNGER

Fatma Sari

Assist. Prof. Dha...

Prof. Dr. Liselott...

Prof. Dr. Şükran...

Assist. Prof. Jasn...

İstanbul Medipo...

Assist. Prof. Dhanashree SANAP

Prof. Dr. Liselotte KRENN

Prof. Dr. Şükran KÜLTÜR

Assist. Prof. Jasna DŽANANOVIĆ JAGANIAC

Sümeyye Elif Kahya

Ahmet Ulvi ZEYBEK

İstanbul Medipo...

İstanbul Medipol Üniversite

20°C Güneşli 11:09 4.10.2023

Web semineri sohbeti

Dr. Rel... alıcı Oturum sahipleri ve panelistler

DR Dear colleagues, I have to first lecture, but cannot turn on the Micro or the camera

Also no possibility to share the screen

Nursu ... alıcı Oturum sahipleri ve panelistler

NA Hello Dr. We're on it.

Mesajlarınızı kimler görebilir? Kayıt Açık

Alıcı: Nursu Aylin... (Doğrudan Mesaj)

Mesajı buraya yazın...

Kayıt

Amendment of the EU legislation

Directive 2004/24

Bundesamt für Sicherheit im Gesundheitswesen
BASG

- New committee at the European Medicines Agency (EMA):
 - Committee on herbal medicinal products (HMPC)

APSIS 2 / 4.10.2023 10

Prof.Dr. Liselott...
Prof.Dr. Liselotte KREN...
Gülden Ömürtaş
Assist. Prof. İpek EROĞ...
Istanbul Medipol Üniv...
Dr. Reinhard LÄNGER
Fatma Sarı
Assist. Prof. Dha...
Assist. Prof. Dhanashre...

Kayıt

Dr. Reinhard LÄNGER ekranı görüntüyorsunuz

Seçenekleri Görüntüle

Görüntüle

Amendment of the EU legislation

Directive 2004/24

Bundesamt für Sicherheit im Gesundheitswesen
BASG

- New committee at the European Medicines Agency (EMA):
 - Committee on herbal medicinal products (HMPC)
 - Main tasks:
 - Elaboration of EU herbal monographs on traditional medicinal use or well-established medicinal use
 - Elaboration of guidance documents related to quality, safety and efficacy of herbal medicinal products
 - Specific assessment of potentially harmful plant constituents

APSIS 2 / 4.10.2023 10

Prof.Dr. Liselott...
Prof.Dr. Liselotte KREN...
Gülden Ömürtaş
Assist. Prof. İpek EROĞ...
Istanbul Medipol Üniv...
Dr. Reinhard LÄNGER
Fatma Sarı
Nursu Aylin Kasa
Nursu Aylin Kasa

Sesi aç Videoyu Durdur Katılımcılar Soru-Cevap Sohbet Ekranı paylaş Kaydet Parmak Kaldır Uygulamalar Beyaz Tahtalar Açıl

Kayt

HMPC – Current composition

<https://www.ema.europa.eu/en/committees/committee-herbal-medicinal-products-hmpc>

- Chair: Emiel Van Galen (NL)
- Vice-Chair: Erika Svedlund (SE)

Bundesamt für Sicherheit im Gesundheitswesen
BASG

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Prof.Dr. Liselott...
Prof.Dr. Liselotte KREN...
Gülken Ömürtağ
Assist. Prof. Ipek EROĞ...
İstanbul Medip...
İstanbul Medipol Üniv...
Dr. Reinhard LANGER
Fatma Sari
Nursu Aylin Kasa
Nursu Aylin Kasa

Kayt

EU herbal monographs

Harmonised basis for assessment of applications

- Assessment of publicly available literature regarding traditional medicinal use, efficacy and safety of defined herbal preparations
- Result:
 - EU herbal monograph for traditional use (TU)
 - and/or
 - well established use (WEU, only in the case of sufficient evidence of clinical efficacy)
 - If data are lacking:
 - Public statement that no monograph can be established
 - Monograph in the style of an SmPC (Summary of Product Characteristics)

Bundesamt für Sicherheit im Gesundheitswesen
BASG


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Prof.Dr. Liselott...
Prof.Dr. Liselotte KREN...
Gülken Ömürtağ
Assist. Prof. Ipek EROĞ...
İstanbul Medip...
İstanbul Medipol Üniv...
Dr. Reinhard LANGER
Fatma Sari
Nursu Aylin Kasa
Nursu Aylin Kasa

Kayıt Dr. Reinhard LÄNGER ekranını görüntüleyorsunuz Seçenekleri Görüntüle Görüntüle

EU herbal monographs: where to find?

https://www.ema.europa.eu/en/medicines/field_ema_web_categories%253Aname_field/Herbal

 EUROPEAN MEDICINES AGENCY
SCIENCE. MEDICINES. HEALTH.

Medicines Human regulatory Veterinary regulatory Committees

Medicines Search Download

Categories

- Herbal
- Human (10915)
- Veterinary (1300)

Herbal substance (Latin name)
- Select -

Herbal botanical name of plant
- Select -

Herbal substance (English common name)
- Select -

- EU herbal monograph
- Assessment report
- List of references
- Opinion of the HMPC
- Information regarding revisions

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Seil aç Videoyu Durdur Katılımcılar 43 Soru-Cevap Sohbet Ekranı paylaş Kaydet Parmak Kaldır Uygulamalar Beyaz Tahtalar Ayrı!

Prof.Dr. Liselott...
Prof.Dr. Liselotte KREN...
Gülken Ömürtaş
Assist. Prof. İpek EROĞ...
İstanbul Medipol...
İstanbul Medipol Üniv...
Dr. Reinhard LÄNGER
Fatma Sarı
Nursu Aylin Kasa
Nursu Aylin Kasa

Kayıt

EU herbal monographs: where to find?

https://www.ema.europa.eu/en/medicines/field_ema_web_categories%253Aname_field/Herbal

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- List of references
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- Information regarding revisions

APSIS 2 / 4.10.2023 17

Prof.Dr. Liselott...
Prof.Dr. Liselotte KREN...
Gülken Ömürtaş
Assist. Prof. İpek EROĞ...
İstanbul Medipol Üniv...
Dr. Reinhard LÄNGER
Fatma Sarı
Nursu Aylin Kasa
Nursu Aylin Kasa

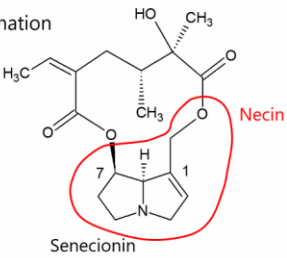
Dr. Reinhard LÄNGER ekranını görüntülüyorsunuz

HMPC – Pyrrolizidine alkaloids

Assessment and guidance finalised!

Bundesamt für Sicherheit im Gesundheitswesen
BASG

- Daily exposure
 - Applicable for PA containing herbal preparations and contamination
 - Adult (50 kg BW): $\leq 1.0 \mu\text{g}$
 - Children and adolescents: $\leq 0.0237 \mu\text{g/kg BW}$
 - Pregnant and breastfeeding women: $\leq 0.0237 \mu\text{g/kg BW}$
 - No difference regarding route of administration



Senecionin

APSIS 2 / 4.10.2023

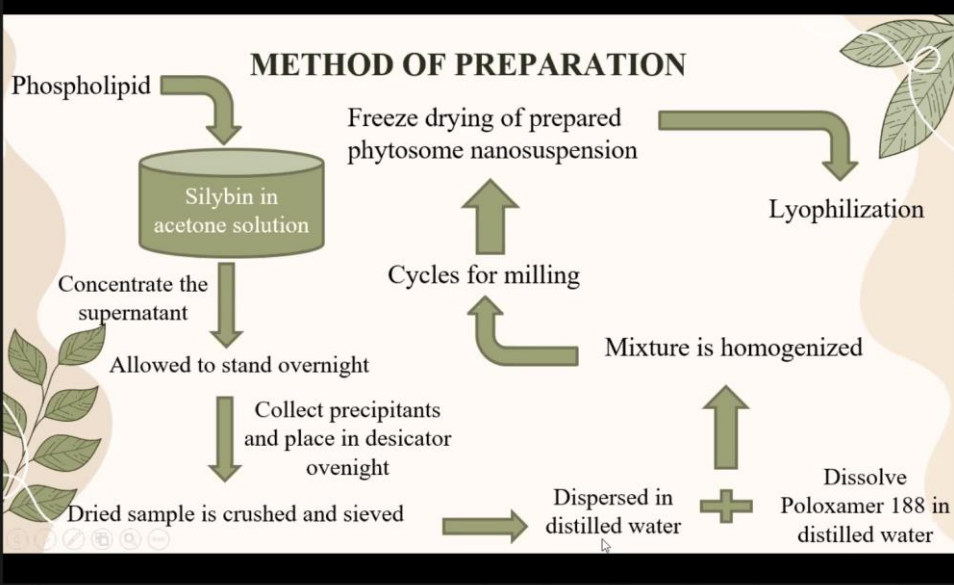
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Seil aç Videoyu Durdur Katılımcılar Soru-Cevap Sohbet Ekranı paylaş Kaydet Parmak Kaldır Uygulamalar Beyaz Tahtalar Ayarlar

Prof.Dr. Liselott...
Prof.Dr. Liselotte KREN...
Gülden Omurtag
Assist. Prof. Ipek EROĞ...
Istanbul Medipol Univ...
Dr. Reinhard LÄNGER
Fatma Sarı
Dr. Ahmet Ulvi Zeybek

Assist. Prof. Dhanashree SANAP ekranını görüntülüyorsunuz

METHOD OF PREPARATION



Phospholipid

Silybin in acetone solution

Concentrate the supernatant

Allowed to stand overnight

Collect precipitants and place in desiccator overnight

Dried sample is crushed and sieved

Dispersed in distilled water

Mixture is homogenized

Cycles for milling

Freeze drying of prepared phytosome nanosuspension

Lyophilization

Dissolve Poloxamer 188 in distilled water

Seil aç Videoyu Durdur Katılımcılar Soru-Cevap Sohbet Ekranı paylaş Kaydet Parmak Kaldır Uygulamalar Beyaz Tahtalar Ayarlar

Assist. Prof. Ipek EROĞ...
Gülden Omurtag
Dr. Ahmet Ulvi Zeybek
Assist. Prof. Dhanashree S...
Istanbul Medipol Univ...
Fatma Sarı
Nursu Aylin Kasa
Nursu Aylin Kasa

MARKET POTENTIAL

- Phytosomal technology will have a great impact on the **cosmetic market**.
- Phytosomes are effectively used in **the treatment of cancer**, which in addition, development and research can be the next big thing in medical history. With this newly created formulation tool, phytosomes has re-explained the significance of herbals in modern drug targeting tactics.
- Phytosomes as biodegradable substrate can be consumed risk free and without any hesitation. It has numerous benefits and a wide potential to treat skin conditions.
- It has the ability to promote blood clotting and wound healing, and to relieve burns and other skin diseases as well. It also enhances the stability and skin penetration of phytochemicals.

Zoom Web Semineri

**A JOURNEY FROM PLANT TO DRUG:
THE ROLE OF ETHNOBOTANY**

Prof. Dr. Şükran Kültür
Istanbul University
Faculty of Pharmacy

Web semineri sohbeti

Dr. Kubelka?

And then there will be a window wich says accept to be a panelist. Please accept.

Regards.

kube... alıcı Oturum sahipleri ve panelistler

K Have a very successful nice Apsis-Meeting, best personal regards and special greetings from Vienna, the Austrian Society of Phytotherapy and its President Ulrike KASTNER!

Nurs... alıcı Oturum sahipleri ve panelistler

NA Dr. Kubelka, Would you like to speak after Dr. Krenn. We would be more than happy to hear you.

I can handle the problem which you have.

Mesajlarınızı kimler görebilir? Kayıt Açık

Alıcı: **Nuru Aylin...** (Doğrudan Mesaj)

Mesajı buraya yazın...

22°C Güneşli 13:01 4.10.2023

Kayıt Prof. Dr. Şükran KÜLTÜR ekranını görüntüyorsunuz Seçenekleri Görüntüle Görüntüle

A Journey from Plant to Drug.pptx - PowerPoint

Doğru Çizim Ekle Tasarım Geçişler Animasyonlar Slayt Gözetimi Gözden Geçir Görünüm Araçlar

Yapıştır Kopyala Yeni Slayt Bölüm Yeni Başlım Biyacı Düzen Sıfırla

1 2 3 4 5 6

1 A JOURNEY FROM PLANT TO DRUG: THE ROLE OF ETHNOBOTANY

Prof. Dr. Şükran Kültür
Istanbul University
Faculty of Pharmacy

2 3 4 5 6

Slayt 1 / 55 Türkçe Notlar Açıklamalar

Seil aç Videoyu Durdur Katılımcılar Soru-Cevap Sohbet Ekranı paylaş Kaydet Parmak Kaldır Uygulamalar Beyaz Tahtalar Açılı

Fatma Sarı
Gülken Ömürtaş
Istanbul Medipol University
Nursu Aylin Kasa
Prof. Dr.Emine AKALIN
Prof. Dr.Şükran KÜLTÜR
Sümeyye Elif Kahya

Kayıt

CKD
↓ Renal function

↑ ROS and RNS
Oxidative stress

Nrf2 activation ROS scavenging

Dietary antioxidants

Curcumin Sulforaphane Soy protein Red propolis Proanthocyanidins Flavan-3-ols Resveratrol Quercetin Mediterranean diet

Eugenio-Pérez, D., Medina-Fernández, L. Y., Saldivar-Anaya, J. A., Molina-Jijón, E., & Pedraza-Chaverri, J. (2016). Role of Dietary Antioxidant Agents in Chronic Kidney Disease. Free Radicals and Diseases.

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Conclusion

It is also important that the development of plants and other natural products for medicinal and other biological purposes should be potentiated on a sustainable and renewable basis in local environment.

Thus, pharmaceutical companies should consider developing local resources and decentralizing selected aspects of their research operations globally.

Continuous research by using the advanced technology can gift us the lead or leads to develop novel drug(s) from the treasure of Ethnomedicine.




Sesi aç Videoyu Başlat Katılımcılar 52 Soru-Cevap Sohbet Ekranı paylaş Kaydet Parmak Kaldır Uygulamalar Beyaz Tahtalar Ayrı

Kayıt Gösteriyi Bittir İpuçları Slayt Gösterisini Kullan 03:31 13:26 Sonraki slayt

Evidence Based Therapy with Phytotherapeutics

Prof. Dr. Emine AKALIN
Istanbul University Faculty of Pharmacy
Department of Pharmaceutical Botany

First of all, I would like to thank my dear professors and friends for organizing and inviting me to this nice symposium.



Slayt 1/46

1 2 3 4 5 6

Assist. Prof. Jasna DŽA... Assist. Prof. Jasna DŽA... Nursu Aylin Kasa Nursu Aylin Kasa

Kayıt

Prof. Dr. Emine AKALIN

Gülten Omurtag

Prof. Dr. Şükran KÜLTÜR

İstanbul Medipol University

Assist. Prof. Jasna DŽANANOVIĆ JAGANJAC

Fatma Sarı

Nursu Aylin Kasa

İstanbul Medipol...

Jelena Matejic

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İstanbul Medipol Üniversitesi


Jelena Matejic

Kayıt

Dr. Sneha Agrawal ekranını görüntüleyebilirsiniz

Seçenekleri Görüntüle

Görüntüle

 ACTA PHARMACEUTICA SCIENCIA

2nd ACTA PHARMACEUTICA SCIENCIA INTERNATIONAL SYMPOSIUM
(2nd APSIS) ON
MEDICINAL PLANTS AND PHYTOTHERAPY

**Evaluation of phytoconstituents for immunomodulatory
effect and exploring their deposition in tissues of rats**

Presented by - Dr. Sneha A. Agrawal
Assistant Professor Pharmacognosy and Pharmacology,
BVCOP, Navi Mumbai

Assoc. Prof. Gülşen EKİCİ

Gülten Omurtag

Dr. Sneha Agrawal

Burcu Üner

Burcu Üner

Assist. Prof. Jas...
Assist. Prof. Jasna DŽA...

Prof. Dr. Şükran...
Prof. Dr. Şükran KÜLTÖ...

Melih Buğra Ağ

Melih Buğra Ağ

Sesli aç

Videoyu Başlat

Katılımcılar 73

Soru-Cevap

Sohbet

Ekrani paylaş

Kaydet

Parmak Kaldır

Uygulamalar

Beyaz Tahtalar

Ayrı

Kayıt

- Alkaloids
- Carotenoids
- Flavonoids
- Phenolic
- Coumarins
- Tannins
- Proteins
- High Water Content

COUMARINS

Imperatorin, Umbelliferone, Psoralen, Xanthoxol, Scopolamine, Skimianine

COUMARINS

Assoc. Prof. Gülnur EK...
Güldeñ Ömürtağ
Dr. Sneha Agrawal

Burcu Üner
Burcu Üner

Assist. Prof. Jas...
Assist. Prof. Jasna DŽA...

Prof. Dr. Şükran...
Prof. Dr. Şükran KÜLTÜ...

Melih Buğra Ağ
Melih Buğra Ağ

Kayıt

Dr. Sneha Agrawal ekranını görüntüleyorsunuz

Seçenekleri Görüntüle

Görüntüle

DELAYED TYPE HYPERSENSITIVITY

On the 15th day, the animals were challenged via a sub plantar route with 0.1 ml sRBC into the left hind footpad

The thickness of the left hind footpad was measured before the challenge, 0 min, 24 h, and 48 h after the challenge

Plethysmometer

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Güldeñ Ömürtağ
Assist. Prof. Laleh KHODAE
Dr. Sneha Agrawal

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Assist. Prof. Jas...
Assist. Prof. Jasna DŽA...

Prof. Dr. Şükran...
Prof. Dr. Şükran KÜLTÜ...

Señ aç | Videoyu Başlat | Katılımcılar | Soru-Cevap | Sohbet | Ekranı paylaş | Kaydet | Parmak Kaldır | Uygulamalar | Beyaz Tahtalar | **Ayrı**

Kayıt

Posta - Gülnur EKŞİ BONA - ... x Toplantıyı Başlatın - Zoom x Posta - Gülnur EKŞİ BONA - ... x Heracleum Persicum-Acta P... x

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Docking results of Hexyl butyrate and octyl acetate

- There are **non-polar hydrocarbon chains** on **hexyl butyrate** and **octyl acetate**.
- They show tendency for **non-polar interaction** with the **non-polar amino acid Phe338**.
- Due to the presence of **14 aromatic amino acids** in the **active site** of the enzyme.
- The **active site** shows a greater tendency to form **π - π bonds** with rings of **aromatic ligand**.
- These two ligands **can not form non-covalent π - π interactions** with any of these 14 amino acids.

CCCCCCCC(=O)OCC

CCCCCCCC(=O)OCC

Assist. Prof. Laleh KHODAEI

Gülden Ömürtaş

Dr. Sneha Agra...

Dr. Sneha Agrawal

Assoc. Prof. Gülnur EK...

Burcu Üner

Burcu Üner

Assist. Prof. Jas...

Assist. Prof. Jasna DŽA...

Burcu Üner

Burcu Üner

Kayıt

Chrome Dosya Düzenle Görüntüle Geçmiş Yer İşaretleri Profiller Sekme Pencere Yardım

Posta - Gülnur EKŞİ BONA - ... x Toplantıyı Başlatın - Zoom x Posta - Gülnur EKŞİ BONA - ... x Heracleum Persicum-Acta P... x

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Conclusion

- IC50 calculated for the **essential oil** and the **vacuum dried form** of petroleum ether extract were reported as **66 μ g/ml** and **59 μ g/ml**, respectively.
- **Petroleum extract is more active** than **essential oil**, which is consistent with docking results.
- The petroleum ether extracts of plant contain **furanocoumarin**.
- They have **anticholinesterase properties**.
- These **4 compounds** have an **enzyme inhibition** effect.
- Due to their **proper orientation** and **ability to interact** effectively with the **catalytic amino acids** of the **active site** of the enzyme.

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Assist. Prof. Laleh KHODAEI

Gülden Ömürtaş

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