NATURAL PRODUCTS

WITH PHARMACEUTICAL, NUTRACEUTICAL, COSMETIC AND AGROCHEMICAL INTEREST

Athenaeum Intercontinental
Athens Greece, 3-8 August 2008

Final Programme
We believe in innovation and dedicate 25% of our medical turnover to research, with a major focus on cancer therapies. Every day in our laboratories, our research teams conceive therapeutic innovations, which will find future applications in the field of drugs, family medication and dermo-cosmetics. Our research centres and production units are located in France and it is from here that we organise our worldwide development.

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**ORGANISATION**

**AFERP and Local Organizing Committee**
Chairmen: J. Boustie (Rennes) / A.L. Skaltsounis (Athens)

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<td>I. Chinou</td>
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<td>N. Fokialakis</td>
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<td>S. Haroutounian</td>
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<td>E. Kalpoutzakis</td>
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<td>O. Tzakou</td>
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<td>L. Voutquenne</td>
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**Scientific Committee**

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<td>S. Alban</td>
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<td>M. Alexis</td>
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<td>N. Aligiannis</td>
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<td>R. Bauer</td>
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<td>A. R. Bilia</td>
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<td>B. Bodo</td>
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<td>D. A. Guo</td>
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<td>B. Gehrmann</td>
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<td>S. Gibbons</td>
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<td>N. Oberlies</td>
<td>Research Triangle Park</td>
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<td>M. Petersen</td>
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<td>C. Pizza</td>
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<td>H. Vuorela</td>
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<td>H. Yamada</td>
<td>Tokyo</td>
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**Patronage**

- Ministry of Rural Development and Food
- Ministry of Health
- National and Kapodistrian University of Athens

**Scientific items**

- Prof. Dr. Alexios-Leandros Skaltsounis
- Laboratory of Pharmacognosy and Natural Products Chemistry
- Faculty of Pharmacy
- University of Athens
- Panepistimiopolis Zografou, Athens 15771, Greece

E mail: skaltsounis@pharm.uoa.gr
Dear Participants

On behalf of AFERP, we are very pleased and honoured to welcome all of you in Athens. This event is the major world-wide rendezvous of Natural Products experts which takes place every 4 or 5 years with the support of their respective Scientific Societies. At this time we acknowledge the participation of the Italian Society of Pharmacognosy (SIF), which joined the American Society of Pharmacognosy (ASP), the Society for Medicinal Plant Research (GA), the Phytochemical Society of Europe (PSE) and AFERP for this meeting.

It is a great honour and opportunity for AFERP to be in charge of the main organisation. AFERP is no longer the French Society of Pharmacognosy since 2001, but the Pharmacognosy Society of French speaking persons. In this opening frame, we decided to organize this joint meeting in Greece for three reasons. The first is that Greece is considered to be at the basis of occidental civilisation and medicine. In the historical city of Athens during the classical period (500-300 B.C.) the Greek philosophers and physicians started to separate the discipline of Medicine from religion, believing and arguing that disease was not a punishment inflicted by the gods, but rather the product of environmental factors, diet and style of life. Four centuries later, a Greek physician, Dioscorides wrote his fundamental work “περι Ιατρικης υλης” De materia medica and put the basis of Pharmacognosy. The name of our discipline “Pharmacognosy” derives from two Greek words, “pharmakon” meaning drug and “gnosis” meaning knowledge. Secondly, as a link between Europe and other Mediterranean countries, Athens is the most suitable city as a world-wide checkpoint to bring together African, American, Asian, Australian and European scientists. Thus, about 1100 participants from 70 countries from all over the world are coming to this congress to attend lectures, debate and initiate fruitful collaborations issuing from the scientific presentations or from the social program. The third reason that led to the choice of Athens as a venue for this congress is the strong historical relationship that exists between the French natural products’ scientific community and the School of Pharmacy of the University of Athens, which dates back over 70 years.

The scientific program deals with all the possible applications of natural products as pharmaceutical, nutraceutical, cosmetic and agrochemical agents. A variety of topics, focused on phytochemistry, bioactivity, new drug sources and drug discovery, traditional medicines, new trends in extraction, separation and structural elucidation processes, biosynthesis and synthesis, will be discussed during the meeting.

Many colleagues from the five scientific societies have contributed to the preparation and organisation of this joint meeting. We specially want to thank the organising and scientific committees and the BoD of the other four Scientific Societies for their constant and active participation in the preparation of this joint meeting. We also want to thank Thieme Publishers for printing the major part of the abstracts in Planta Medica and all the sponsors for their generous contributions. Last but not least, the full involvement and commitment of the staff of the department of Pharmacognosy and Natural product Chemistry of the University of Athens to this event is particularly acknowledged.

We wish you all to enjoy a fruitful and stimulating meeting.

Prof. Leandros A. Skaltsounis
University of Athens

Prof. Joël Boustie
University of Rennes

Chairman of the Congress
Co-chairman and AFERP President
Greece is universally known as the birthplace of distinguished doctors, the fathers of modern medical sciences. Ancient Greek scientists like Hippocrates, Dioscorides and Theophrastos offered an invaluable contribution to Medicine, Pharmacy and Pharmacognosy.

The Country’s long tradition in the study of natural sources for the discovery of compounds with pharmaceutical interest is honored by the Faculties of Pharmacy at Greek Universities. The Department of Pharmacognosy at the University of Athens took the important initiative to organize the 7th Joint Meeting of the Association Francophone pour l’Enseignement et la Recherche en Pharmacognosie (AFERP), of the American Society of Pharmacognosy (ASP), of the Society for Medicinal Plant Research - Gesellschaft für Arzneipflanzenforschung e.V. (GA), of the Phytochemical Society of Europe (PSE) and of the Società Italiana di Fitochimica (SIF).

A large number of scientists are gathered in Athens to present their papers and to describe current scientific trends in natural products with pharmaceutical, nutraceutical, cosmetic and agrochemical interest, providing opportunities for extensive discussions, exchange of knowledge and ideas and collaboration in the field of research and development.

The Ministry of Health and Social Solidarity supports all efforts that promote scientific research and projects in the vital area of pharmacognosy, pharmacology and related fields.

I wish to all participants a productive and successful organization. The conclusions of the Congress are expected with great interest.

With my warmest regards,
Dimitris L. Avramopoulos
Minister of Health and Social Solidarity
The 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF is an outstanding world congress and the most important event in the field of natural products. The Greek Ministry of Rural Development and Food expresses the Government’s intention to support the research and its outcome on this scientific field.

This congress offers to the international scientific audience a closer look on Greek medicinal plants and traditional agricultural products like olive oil, wine, mastic, and crocus. In addition, Greece is a biodiversity hotspot with a flora of more than 6000 plant species including more than 1000 endemic ones. The preservation of biodiversity combined with the research on aromatic and medicinal plants can lead to new opportunities for the development of high added value products.

The balanced development of local societies, the protection of the environment and the ecosystem, the quality of the products produced, the multi-functioning and the creation of supplementary incomes constitute the principal political directions to be followed in the forthcoming years.

It is a great honor for our country and especially for the University of Athens to host distinguished experts from all over the world and give them the opportunity to present their research work and describe the current scientific mainstream in natural products with pharmaceutical, nutraceutical, cosmetic and agrochemical interest.

As Greeks that honour the hospitality from ancient years, we feel the need to treat a foreigner as a guest. We look forward to welcoming you in Athens, in hope that the 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF, will be a memorable experience.

Konstantinos Kiltidis
Deputy Minister of Rural Development and Food
The National and Kapodistrian University of Athens, founded in 1837, was the first University not only in the Greek State but in all the Balkans and the Eastern Mediterranean in general. Today, the National and Kapodistrian University of Athens is the largest state institution of higher learning in Greece, and one of the largest universities in Europe.

The University of Athens aims at excellence in both teaching and research in a significantly varied range of disciplines and in this frame it is a great honor for our university to organize an outstanding congress like the 7th Joint Meeting of AFERP, ASP, GA, PSE & SIF.

The Faculty of Pharmacy of our University and especially the Department of Pharmacognosy and Natural Products Chemistry has a long tradition in the study of natural products for the discovery of compounds with pharmaceutical interest and today is one of the most active faculties of our university.

Natural products are an important source of new drugs and an exciting research field.
Our university supports all the activities promoting the research and the knowledge exchange.

I would like to welcome the numerous scientists from all over the world that will be gathered in Athens to present their researches in natural products with pharmaceutical, nutraceutical, cosmetic and agrochemical interest.

I wish to all organizers and participants a successful meeting

D. Assimakopoulos
Vice Rector for Financial Affairs and Development of the National and Kapodistrian University of Athens
C'est avec grand plaisir que je salue l'organisation à Athènes, cette année 2008, par les sociétés américaine et européennes de pharmacognosie et de chimie des substances naturelles, de leur congrès international placé cette année sous l'égide de l'Association Francophone pour l'Enseignement et la Recherche en Pharmacognosie (AFERP), coordonnatrice de la manifestation. L'emploi des substances d'origine naturelle s'inscrit dans une tradition très ancienne. Transmis de génération en génération, les savoir-faire traditionnels peuvent maintenant être étudiés et exploités de manière rationnelle grâce aux avancées des sciences : ces produits à valeur culturelle forte représentent aujourd'hui un marché en croissance exponentielle qui allie la notion de patrimoine à l'innovation technologique.

Hier constitutives d'un socle de valeurs culturelles, “les saveurs, les senteurs et la médecine par les plantes” ont fondé les échanges commerciaux, ont inspiré les poètes et légitimé le développement des sciences.

Aujourd'hui, ces végétaux récoltés ou cultivés depuis si longtemps par l'homme constituent les matières premières d'une industrie sophistiquée en termes de compétences, de technologies employées et d'excellence sanitaire requise. Il s'y joint une recherche en phase avec l'époque contemporaine où l'homme prend conscience de la nécessité d'entretenir dans sa vie, un équilibre subtil, - social, environnemental et économique –, avec son écosystème. En un mot, une industrie au développement durable si tant est que la biodiversité est bien protégée!

Je pense que la remarquable audience de votre colloque permettra d'excellents travaux, fertiles et féconds.

Je remercie les organisateurs et les participants de cette manifestation et souhaite à tous de fructueux échanges scientifiques ainsi qu'un excellent séjour chez nos amis en Grèce.

Christophe Farnaud
Ambassador of France in Athens
ACKNOWLEDGEMENTS

Platinum Sponsors

Bronze Sponsors

Golden Sponsors

Silver Sponsors
VENUES, REGISTRATION AND INSTRUCTIONS

Congress Venue

Athenaeum Intercontinental Hotel
89-93 Syngrou Avenue
117 45 Athens, Greece
http://www.athens.intercontinental.com

University of Athens
Central Building
30 Panepistimiou str.
Athens, Greece

Registration and information desk opening hours:

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<th>Day</th>
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<tr>
<td>Sunday</td>
<td>August 4, 2008</td>
<td>07h45-19h30 Interalntional</td>
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<td>Monday</td>
<td>August 5, 2008</td>
<td>08h00-19h30 Interalntional</td>
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<td>Wednesday</td>
<td>August 6, 2008</td>
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<td>Thursday</td>
<td>August 7, 2008</td>
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Instructions for...

...oral contributions

The duration of a lecture is 35 min, and of a short lecture 10 min. All oral presentations at the end will have 5 min for discussion. In the interest of smooth functioning of scientific meetings, it is very important to keep to the allotted speaking times. Chairpersons are kindly requested to secure that time limits allotted to each speaker are kept.

For oral presentations basic audiovisual equipment, such as PC, Video data projector will be available. Please bring the ppt-file of your presentation (preferably in Windows XP format for PC use) the latest at the morning of the day you have to give your lecture. You will not allowed to use your own laptop for your presentation. If you require a slide projector or overhead projector, please contact the Congress Secretariat as soon as possible.

...poster contributions

The size of the posters should be 0.84m (33 inch) x 1.20m (47 inch) (width x height), equivalent to A0size. Posters presenters are kindly requested to follow the below instructions:

- All posters ending in an odd number e.g. PA1, PA3, PA5... will be presented on Monday 4th and Tuesday 5th of August. The posters should be mounted on Monday morning and dismounted on Tuesday after the end of the poster session I. You are requested to present next your poster during the poster session Tuesday 5th of August from 17h10 to 18h45.

- Subsequently, all posters ending in an even number e.g. PA2, PA4, PA6... will be presented on Wednesday 6th and Thursday 7th of August. The posters should be mounted on Wednesday morning and dismounted on Thursday after the end of the poster session II. You are requested to present next your poster during the poster session Thursday 7th of August from 14h30 to 16h00.

- Authors are kindly requested to affix their posters on the predetermined poster board which will be numbered according to the code number of their abstract.

- The code number of each abstract will have been placed on each poster board by the Organizer.

- All material needed for the poster affixing will be provided to authors by the Congress Secretariat which will be operating at the Congress Venue.

- Poster area is Omikron, VIP-Lamda-Omega and Theta-Sigma-Delta Meeting Rooms (refer to floor plan given in pages 36-37)

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SCIENTIFIC PROGRAMME

Sunday, August 3rd, 2008

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<td>INTERCONTINENTAL Hotel</td>
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<tr>
<td>15h00</td>
<td>WS 1: Workshop on Regulatory Affairs on Herbal Medicinal Products (HMPs)</td>
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<td>13h00</td>
<td>Workshop for young researchers</td>
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<td>20h00</td>
<td>WELCOME PARTY</td>
<td>Roof Garden of “ETHNIKI ASFALISTIKI” Conference Center</td>
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Monday, August 4th, 2008

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<td>10h30</td>
<td>PSE AWARD Silver medal: New frontiers in the quality of herbal medicinal products (HMPs)</td>
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<td>11h00</td>
<td>Award Session</td>
<td>BALLROOM H-H-I</td>
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<td>12h00</td>
<td>GA Honory membership</td>
<td>University central building</td>
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*AWL: Award lecture, L: lecture, SL: Short lecture
Free radical scavenging activity of two medicinal plants used

Modulation of innate immune cell activation and function by

SL4

SL12

The World Traditional Medicine Patent Database

SL114

Molecular Interactions of Artemisinin with DNA and Specific

SOCIAL EVENT

Exhibits open

L5

Molecular basis of Tocotrienols activity in modulating the

Early antiviral activity of CYSTUS052 against H5N1 influenza

SL20

L10

Cyclin-Dependent Kinases (CDKs) in human disease: the

SL9

SL15

SL28

Natural product sources and the biodiversity convention

Phytochemicals as modulators of hormone physiology

Bioactivity-guided isolation of cytotoxic constituents of

Burea javanica collected in Vietnam

Anticancer drug discovery from filamentous fungi

The island Madagascar a megadiversity area, kingdom of

novel leads for drug development

PARALLEL SESSION 2

Traditional medicine, ethnopharmacology, Pharmacology of

natural products

Chair: Houghton P, Pizza C

PARALLEL SESSION 1

Chair: David B, Wang Y

From the field collections to clinical trials: Industrial and academic

approaches. Examples of Drug Discovery from screening and

bioguided approaches.

17h40

Sustainable development of natural product research in drug
discovery

Wang Y

L5

18h00

Phylogeny and Chemography

Backlund A

SL64

18h15

Screening of a natural compound library for potential protein
kinase inhibitors

Issinger OG

SL1

18h30

Discovery of new secondary metabolites mediating insect-
microorganism symbioses

On DC

SL2

18h45

Automated natural product extract screening using 'H NMR

Coleson RL

SL3

19h00

Bioactivity-guided isolation of cytotoxic constituents of

Burea javanica collected in Vietnam

Kinghorn AD

SL4

19h15

Anticancer drug discovery from filamentous fungi

Oberles NH

SL5

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SL15

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17h00-19h45

PARALLEL SESSION 2

Traditional medicine, ethnopharmacology, Pharmacology of

natural products

Chair: Houghton P, Pizza C

17h00-19h45

PARALLEL SESSION 1

Chair: David B, Wang Y

From the field collections to clinical trials: Industrial and academic

approaches. Examples of Drug Discovery from screening and

bioguided approaches.

17h00

Natural product sources and the biodiversity convention

David B

L3

17h20

Alkaloid semisynthesis: searching for anticancer drugs

Fahy J

L4

17h40

Sustainable development of natural product research in drug
discovery

Wang Y

L5

18h00

Phylogeny and Chemography

Backlund A

SL64

18h15

Screening of a natural compound library for potential protein
kinase inhibitors

Issinger OG

SL1

18h30

Discovery of new secondary metabolites mediating insect-
microorganism symbioses

On DC

SL2

18h45

Automated natural product extract screening using 'H NMR

Coleson RL

SL3

19h00

Bioactivity-guided isolation of cytotoxic constituents of

Burea javanica collected in Vietnam

Kinghorn AD

SL4

19h15

Anticancer drug discovery from filamentous fungi

Oberles NH

SL5

19h30

The island Madagascar a megadiversity area, kingdom of

novel leads for drug development

Andrantsiharana M

SL15
## Scientific Programme

### 08h30 - 10h30

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<tr>
<td>08h30</td>
<td>New antibiotics and antitumor agents from the deep oceans</td>
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<td>Chair: Muroi M, Bunt J</td>
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<tr>
<td>08h40</td>
<td>Antibiotics and antitumor agents from the deep oceans</td>
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<td>Renila W, L31 (BA)</td>
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<td>09h10</td>
<td>Wars in the sea: chemical weapons from microalgae, macroalgae and seaweeds</td>
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<td>Crino G, L11</td>
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<tr>
<td>09h50</td>
<td>Chemistry and biology of bioactive natural products from marine and other sources</td>
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<td>Kobayashi J, L12</td>
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<td>10h30</td>
<td>COFFEE BREAK</td>
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### 11h00 - 12h00

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<td>11h00</td>
<td>Drug discovery from natural sources</td>
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<td>Chair: Kangroon AD</td>
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<tr>
<td>11h40</td>
<td>Methodologies for the quality assessment of medicinal plants and phytopharma chemicals</td>
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<td>Hostettmann K, L15</td>
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<td>12h00</td>
<td>LUNCH</td>
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<td>13h00</td>
<td>Natural products with agrochemical interest</td>
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<td>Chair: Wolfender J</td>
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<tr>
<td>14h00</td>
<td>Natural products with cosmetic interest</td>
</tr>
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<td>Chair: Martin R</td>
</tr>
<tr>
<td>14h30</td>
<td>Natural products with agrochemical interest</td>
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<td>Chair: Wolfender J</td>
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### 15h00 - 16h30

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<tr>
<td>15h00</td>
<td>A multifactorial anti-acne extract for a multifactorial pathogenesis</td>
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<td>Mandeau A, SL21</td>
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<tr>
<td>15h25</td>
<td>Research for plant active ingredients of cosmetic interest: Innovation process for a cosmetic company</td>
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<td>Milsa S, SL22</td>
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<td>15h40</td>
<td>The effect of a highly purified betulin-based triterpene extract on human keratinocytes and epidemic Langerhans cells ex vivo and in vivo</td>
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<td>Wotthe U, SL23</td>
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<td>15h55</td>
<td>Pharmacology of Natural Products and Herbal drugs</td>
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<td>Chair: Bia AR, Butterweck V</td>
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<td>16h10</td>
<td>New options for the treatment of functional gastrointestinal diseases with the phytomedicine STW 5</td>
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<td>Kelber O, SL24</td>
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<td>16h25</td>
<td>Herbal medicine in bowel diseases: Mechanisms of action of STW 5 in colonic inflammation</td>
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<td>Abdel-Aziz H, SL25</td>
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<td>16h50</td>
<td>The aqueous willow bark extract STW 33-I has anti-cancer and anti-inflammatory properties comparable to Aspirin and diclofenac</td>
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<td>Metz J, SL26</td>
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*BA: Book of abstracts (Not published in Planta Medica)*
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<tr>
<td>17h00</td>
<td>PARALLEL SESSION 1</td>
<td>Natural product based urease inhibitors for the treatment of ulcers</td>
<td>Choudhary M</td>
<td>BALLROOM III</td>
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<td>17h40</td>
<td>Effects of Hop (Humulus lupulus L.) and Sesame (Sesamum indicum L.) enriched diet on xenobiotic-metabolizing enzymes in female rat livers</td>
<td>Girard C</td>
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<td>17h45</td>
<td>A pilot randomized placebo controlled trial of 2 Aloe vera supplements in patients with pre-diabetes/metabolic syndrome</td>
<td>Devaia S</td>
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<td>18h10</td>
<td>Plants for diabetes: Identification of plant extracts and metabolites as partial PPARy agonists with potential anti-diabetic effects</td>
<td>Christensen HB</td>
<td>SL79</td>
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<td>18h25</td>
<td>In vivo antioxidative activity of a Pueraria lobata root extract in a diabetic rat model</td>
<td>Peters L</td>
<td>SL80</td>
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<td>18h40</td>
<td>Uterine effects of the phytoestrogens 8-prenylhurinagenin and 6-dimethylallylurinagenin in vivo</td>
<td>Zeranu O</td>
<td>SL81</td>
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<td>18h45</td>
<td>Analysis of 1,3-cyclopentadiones from hops and proanthocyanidins from Acacia nilotica and their combined efficacy in treating metabolic syndrome and hypercholesterolemia</td>
<td>Carroll BJ</td>
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<td>19h10</td>
<td>A novel standardized chromosome extract (UP780) from Aloe regulated adiponectin production and improved insulin resistance</td>
<td>Yannan M</td>
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<td>19h25</td>
<td>New Cucurbitane triterpenoids from bitter melon with potent antidiabetic properties associated with activation of AMPK</td>
<td>Ye Y</td>
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**Thursday, August 7, 2008**

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<tr>
<td>08h00</td>
<td>Registration</td>
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<td>08h30</td>
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<td>INTERCONTINENTAL</td>
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<tr>
<td>08h30</td>
<td>PARALLEL SESSION 1</td>
<td>Health improvement through dietary phytochemicals</td>
<td>Wenner C, Zierau O</td>
<td>BALLROOM I</td>
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<tr>
<td>09h00</td>
<td>A review: Nutraceuticals as</td>
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<td>Bhatti WH</td>
<td>SL85</td>
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<tr>
<td>08h45</td>
<td>Improvement of menopausal symptoms by soy isoflavones: a randomized double-blind study</td>
<td>Schmit M</td>
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<tr>
<td>09h00</td>
<td>Clinical effect of phytosterocontaining milk on serum cholesterol</td>
<td>Wang CK</td>
<td>SL87</td>
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<td>09h15</td>
<td>Mechanistic studies on anticancer benzophenones from Clusiaceae fruits</td>
<td>Kennedy E</td>
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<tr>
<td>09h30</td>
<td>Cyanobacteria used as a dietary item in highland Peru produce the non-protein amino acid BMAA</td>
<td>Johnson HE</td>
<td>SL90</td>
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<tr>
<td>09h45</td>
<td>Improved cognitive performance and mood in healthy adults following acute consumption of a cocoa flavanol-rich drink</td>
<td>Haskell C</td>
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<tr>
<td>10h00</td>
<td>Antioxidant activities of phytochemicals from five flavonoid groups in a heme-amyloid b-enhanced oxidation reaction</td>
<td>Wein A</td>
<td>SL92</td>
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10h15  |  Inhibition of the L-type calcium channel by a standardised Olea europaea leaf extract: A phytochemical and electrophysiological examination  
Rauwald HW  |  SL93
10h30  |  Nutraceutical interest of phytoecdysteroid in Microsorum species of French Polynesia  
Roharekomanna P  |  SL94
10h45  |  Determination of antieugenic 2,4-Dihydroxy-7-methoxy-1,4-benzoxazin-3-one (DIMBOA) and 2,4-dihydroxy-1,4-benzoxazin-3-one (DBOAC) contents in sprouts of various Triticum species  
Penz S  |  SL95
11h00  |  Organic and herbal ingredient trends in North America  
Pontakos G  |  SL131 (BA)
08h30-11h15  |  PARALLEL SESSION 2 (Marine & Fungi Compounds)  
New sources of bioactive natural products  
Chair: Capon R, Ireland C
08h30  |  Australian marine biodiversity  
Capon RJ  |  SL96
08h45  |  Bioactive natural products from marine cyanobacteria: new structures and modes of action  
Luesch H  |  SL97
09h00  |  Potential ecological role, chemistry and molecular modelling studies of secondary metabolites isolated from the tropical marine sponge Cymbastella hoopen  
Weight A  |  SL98
09h15  |  Marine-derived Penicillium sp.: fungal diversity as a promising source of bioactive compounds  
Grovel O  |  SL99
09h30  |  Cytotoxic macrolides from benthic Amphipathium dinoflagellate  
Tauda M  |  SL100
09h45  |  Salarins and Tulearins; new cytotoxic sponge derived nitrogenous macrolides  
Kashman Y  |  SL101
10h00  |  Biologically active cyanobacteria metabolites – Ecological and biomedical perspectives  
Carmeli S  |  SL102
10h15  |  Bioprospection of cytotoxic compounds in the Brazilian endemic tunicate Eudistoma vannamei  
Jimenez PC  |  SL103
10h30  |  Investigations into the cytotoxic effects of Australian indigenous mushrooms  
Tirakong E  |  SL105
10h45  |  Bioactive secondary metabolites from an Endolichenic Fungus, Corynespora sp. inhabiting the Cavern beard Lichen, Usnea cavernosa  
Paranagama PA  |  SL106
11h00  |  Novel unusual alkaloids from the rare mushroom Pseudobaeospora perryfina (Agaricales)  
Quang DN  |  SL132 (BA)
08h30-11h15  |  PARALLEL SESSION 3  
Pharmacology of Natural Products and Herbal drugs  
Chair: Guiner S, Ishibashi M
08h30  |  Cholinesterase inhibiting Bisbenzylisoquinoline alkaloids from Cocculus pendulus  
Atia-tul-Wahab  |  SL107
08h45  |  A herbal preparation Impuret® inhibits LPS and IL-1β-induced release of IL-8 and human β-defensin 2 in lung epithelial A549 cells  
Hostanskia K  |  SL109
09h00  |  Potential of St. John’s wort as antistress medication  
Butterweck V  |  SL110
09h15  |  Boswellic acids from the anti-inflammatory remedy frankincense: Identification and functional analysis of novel molecular targets within the arachidonic acid cascade  
Siemoneit U  |  SL111
09h30  |  Pharmacological and toxicological studies on anticancer properties of pipilantine  
Costa-Lotufo LV  |  SL112
WORKSHOPS

Young Researcher and Regulatory Affairs on Herbal Medicinal Products workshops will be organized on 3rd August 2008 in the central University building (30 Panepistimiou str., metro station: Panepistimio).

Young Scientists Workshop
Chairman: A.R. Bilia
This special workshop for young researchers is organized as a pre-symposium on Sunday 3rd of August, 2008.
Registration for this workshop is necessary for all participants. The workshop is restricted to diploma and PhD students and serves as an opportunity for them to give an oral presentation and to discuss special issues, problems and unclear results related to their work. The presentations (15 min) will be commented upon by experienced panellists and time for general discussion will be provided. The workshop will serve as a forum to share methodologies and knowledge of instruments, as well as means of expanding personal knowledge and to expand their studies by acquiring ideas in a constructive and divers environment. The best oral presentation will be selected and awarded. A young researcher will also be selected and awarded for the most valuable involvement in the discussion.

Workshop on Regulatory Affairs on Herbal Medicinal Products (HMPs)
“Medicinal Herbs: drugs or dietary supplements? What are the legal consequences in terms of quality, safety and efficacy of each option?”
Chair: S. Alban

Programme

13:00 Introduction (S. Alban)
13:05 A. Vlietinck, Member of the Committee of Herbal Medicinal Products (HMPC), European Medicines Agency (EMEA) - Viewpoint of the European Regulatory Authorities
13:30 W. Knöss, Federal Institute for Drugs and Medical Devices (BfArM), Germany - Viewpoint of the German Regulatory Authorities
13:55 H. Sievers, Phytolab GmbH & Co, KG, Germany - Viewpoints of the Pharmaceutical Industry in Europe
14:20 Coffee break
14:50 V. Frankos, Director, Division of Dietary Supplement Programs, USA - Viewpoint of the US Regulatory Authorities
15:15 M. McGuffin, President of the American Herbal Products Association (AHPA), USA - Viewpoint of the US Industry Panel discussion
15:40 Conclusions (S. Alban, A. Vlietinck).
16:50 Registration for this workshop is necessary for all participants

SOCIAL PROGRAMME

WELCOME PARTY-Sunday August 3, 2008, 20h00-23h00
The welcome party takes place in the Roof Garden of “ETHNIKI ASFALISTIKI” Conference Center (just 5 min walk from Athenaeum Intercontinental Hotel) which is the last work of the famous architect Mario Botta. The Roof Garden offers a magnificent view to Acropolis. Finger food and drinks will be served with the companion of a musical duet.

Traditional Greek dance show (dinner included) – Monday August 4, 2008, 20h30-23h30
The traditional Greek dance show takes place in the DORA STRATOU Theater. The show includes folklore dances and music from several Greek regions. A famous dance group with impressive dresses will perform a unique programme. The theatre is located in a 20 min walk distance from the metro station “Acropolis” and is highly recommended to take a walk. When you get out of the metro station “Acropolis” turn left and follow the pedestrian road “Dionysosou Areopagitou” that leads to Acropolis (10-12 min). In that route you can enjoy Greek neoclassical architecture and some famous houses like the one of the music composer “Vangelis” and the ancient theatre of “Herodion”. When you arrive close to the entrance of Acropolis turn left uphill to “Filopapou hill” and follow the signs to “Dora Stratou” theatre (5-7 min). Transportation will be provided. Relevant information on the transportation plan will be announced at the Congress Secretariat announcement board.
Upon arrival Greek food will be served in a beautiful surrounding at 20.30-21.30.
The traditional Greek dance show will start at 21.45
Tickets will be given to each participant upon registration

Congress Dinner – Thursday August 7, 2008, 20h15
The congress dinner is organized at the seaside club “ISLAND”, a club with a magnificent view to the Saronic Gulf.
The place has a unique Greek style architecture and decoration. The menu will be mainly Mediterranean cuisine.
A DJ with a selection of music promises to make this dinner unforgettable.
Access only with the special buses departing from Athenaeum Intercontinental Hotel or by taxi (around 45 min ride).
Vouchers to participants who have already paid will be given upon registration

Departure: 20h15 Intercontinental hotel
Return: 23h30-24h00

EXCURSION on 8 August, 2008
One day cruise to Hydra, Poros, Aegina
In the morning the ship sails for the three beautiful islands of the Saronic Gulf.
The order in which we shall visit the islands is either Poros – Hydra – Aegina or Aegina – Poros – Hydra which does not change the duration of stay on any of the islands. Within 2 hours, we will arrive to the island of Poros, the smallest of the three islands, separated from the Peloponnessee by a narrow strait and offering a most enchanting view of Poros Town. Your leisure time in Poros will be about 50 minutes. An hour and 15 minutes later, we enter the port of Hydra, whose amphitheater shape once served as a safe shelter for Saronic Pirates. From the decks, you will be able to admire the very special architecture and dramatic landscapes of this island, whose old traditional stone houses and mansions silently stand witness to a long and turbulent history. You will have about 1 hour and 30 minutes at leisure to enjoy the unique charms of Hydra and while returning back on board you will receive a homecoming welcome. After a two hour trip we shall arrive to our last port of call, the island of Aegina. AEGINA is the largest of the three islands. Apart from its harbor there are numerous interesting sites to discover on the island. After such a full and exciting day, the ship will depart for the port of Piraeus.

Participants who are already booked to the cruise will receive their vouchers at the Congress Secretariat.
Participants who wish to join us to the cruise are kindly requested to proceed to the Congress Secretariat.
OTHER EXCURSIONS

- Athens sightseeing (daily in the morning)
  This tour gives you an opportunity to observe the striking contrasts that make Athens such a fascinating city. Our expert guides take you to see the center of the city, Constitution Square (Syntagma), the House of Parliament, the Memorial to the Unknown Soldier and the National Library. Driving down Herod Atticus street, you will see the Evzones in their picturesque uniform and the Presidential Palace. On your way to the acropolis you will see the Hasidam's Arch, visit the Temple of Olympian Zeus and you will make a short stop at the Panathenian Stadium where the first Olympic Games of the modern era were held in 1896. On the Acropolis visit the architectural masterpieces of the Golden Age of Athens; the Propylaea, the Temple of Athena Nike, the Erechtheion, and finally “the harmony between material and spirit”, the monument that "puts order in the mind", the Parthenon. You complete the visit with the Museum of Acropolis.

- Athens by night (daily in the evening)
  The tour starts with a visit to the main Greek port of Piraeus, passing by the most important points of the city (City Hall, picturesque yacht’s harbour of Miroloiano etc.). Following the principal avenues and passing by the Temple of Olympian Zeus, National Garden, Parliament, Tomb of the Unknown Soldier, Catholic Cathedral, Academy, University, National Library, Old Parliament we arrive at Plaka. Short pleasant walk through the old unique Athens city to one of the popular taverns for dinner with live bouzouki music and Greek folk dances.

- Wine tasting and Ancient Corinth (open only on Friday)
  Driving along the coastal road, we reach Corinth canal (short stop). Drive to the Ancient Corinth where St. Paul lived and preached. Ancient Corinth was one of the most important cities of ancient Greece. We will visit the Agora and One of the most outstanding monuments of pre–Roman period, the temple of Apollo. Then we will continue to visit one of the most famous viney of NEMEA, Greece may well possess first place in the hierarchy of countries known for their tradition in viticulture. Not only is this due to Greek’s producing wine since the Neolithic Age - 4000 B.C. - but also to the fact that wine has long been adored, praised and championed in the name of god Dionysos.
  Nowadays, Greek wine production, abiding by tradition but invigorated by modern technology, offers a wide variety of fine wines. NEMEA is one of the most popular vineyards in Greece. We will visit the state of the art winery facilities. We will learn everything for the production of Greek quality red wine and then we will proceed to the underground cellars with more than 1000 French oak barrels. Finally we will taste some of the best wines of the domain.

- One day excursion to Delphi
  Drive through the fertile plain of Boeotia, crossing the towns of Thebes connected with the tragedy of King Oedipus – Levadia and Arachova (short stop on the way back). Arrive at Delphi, the center of Ancient World – the “Omphalos “(Navel of Earth) – whose prestige extended far beyond the boundaries of the Hellenic World. On the slopes of Mount Parnassus, in a landscape of unparalleled beauty and majesty, lie the ruins of the Sanctuary of Apollo Pythios. Visit the Treasury of the Athenians, the Temple of Apollo and the Museum containing such masterpieces of Ancient Greek sculpture as the bronze Charioteer and the famous athlete Aghias. Lunch in the modern village of Delphi, return to Athens by the same route.

- One day excursion to Argolis
  Leave by the coastal road along the Saronic Gulf to the Corinth Canal, which connects the Aegean Sea with the Ionian Sea, (short stop). Drive to Mycenae, the Homeric city of Atreides – the city “rich in gold” of the ancient’s poets. Visit the Lion’s Gate, the Cyclopean Walls, and the Royal Tombs e.t.c. Depart for Nauplion through the fertile plain of Argolis, the picturesque town nesting at the foot of a cliff crowned by the mighty ramparts of the Palamidi Fortress. Afternoon, leave for Epidaurus to visit the Theatre 4th century B.C.) famous for its astonishing acoustics. Return to Athens by the National road connecting Epidaurus with Corinth. Lunch in Mycenae or in Nauplion.

NOTE: All excursions include English speaking guide, bus transfer, entrance tickets (where applicable). At “Athens by night” excursion drinks are not included.

Participants who have already submitted participation to the above mentioned excursions are kindly requested to proceed to the Social Events Desk in order to submit their preferable date for the excursion. Participants who wish to book one of the above excursions are kindly requested to proceed to the Social Event Desks.

GENERAL INFORMATION

THE CITY OF ATHENS
The city of Athens is an exciting and vibrant city of the 21st century, which along with the treasures of art, history and architecture represents more than 3000 years of Hellenic and Byzantine culture, a city where a world of antiquity, myth and legends blends harmoniously with the modern way of life, is the ideal setting for such an important event. Athens is a city, which combines a rich archeological past, and the modern infrastructure. Athens hosted the Olympic Games in 2004 and major projects have radically transformed the city into an ultra modern capital of southeast Europe.

THE VENUE
No wonder the Athenaeum InterContinental has been named Greece’s leading hotel time and again. Athens’ largest guest rooms, fine dining venues and a central location appeal to business and leisure travellers alike. Within a few kilometres are the Acropolis, the Parthenon, the Temple of Apollo and the Plaka. Metro and tram stations are also nearby. The Athenaeum InterContinental is renowned as a top business hotel in Greece. Within the city of Athens it boasts the best conference facilities, the largest ballroom accommodating up to 1,800 persons, the most spacious guest rooms plus Club InterContinental floors providing the best Club product in the city with exclusive complimentary services. With its 543 rooms the Athenaeum InterContinental can satisfy the most demanding conference organisers and delegates. The award winning Première is the hotel’s fine dining roof top restaurant with stunning views of the Acropolis. Caffesio, designed by the renowned architect Tony Chi, offers all day dining. Adjacent to Caffesio, is the outdoor pool which operates from May – September, weather permitting. The ToBar is a contemporary and fashionably furnished bar. WiFi wireless internet connection is accessible throughout the hotel.

OFFICIAL LANGUAGE
The official language of the Congress will be English. There will be no provision for translation in other languages.

INTERNET
Computers with internet access will be provided at the Intern corner next to Congress Secretariat (+1 level)

SPEAKERS READY DESK
Speakers Ready Desk will be located outside Ballroom Meeting room. Speakers and kindly requested to proceed to the Speakers Ready Desk in order to test their presentations and give them to the appointed staff. Please do not forget to mention to the designated staff the time of your presentation and the name of the meeting room as well.

BADGES
Badges will be given to all registered participants upon registration at the Congress Secretariat. Please bear always visible your badge in order to gain access to the Conference and other events.

CERTIFICATE OF ATTENDANCE
A Certificate of Attendance will be given to each registered participant at the last day of the conference.

BANKS
Banks in Greece operate daily except from Saturday and Sunday. The opening hours are as follows:

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<td>Friday</td>
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ELECTRICITY
Electricity current in Greece is 220/240 AC/50Hz. The plugs have 2 or 3 round pins similar to those in many European countries.

GETTING TO ATHENS
Arrival by air
Athens is connected by air directly with most European Countries. Direct flights are also available from New York on OA, DL and CO and from Philadelphia on US. From the other States of USA and from other continents you can reach Athens on connection flights through most European countries.

Athens Airport
The Athens International Airport “Eleftherios Venizelos” is located in Spata (appr. 45 min drive from Athens’ city center)
GENERAL INFORMATION

From Airport to Athens City Center
By bus:
Three express lines serve the Athens International Airport to Athens City Center and the port of Piraeus on 24 hour basis. The ticket costs 3.20€. The bus line E95 (Direction Syntagma) serve Athens City Center (Syntagma Square).
By taxi:
An average journey by taxi from Athens International Airport to Intercontinental Hotel or Syntagma Square should cost approximately 30 to 35 € per way.
By metro:
You can reach the Athens City Center by metro. The ticket cost 6€.

Transport to the venue
You can get to Athenaean Intercontinental Hotel:
By metro:
  Station Name: SYNGROU FIX, Distance 1km South to Hotel
  Direction: Follow Syngrou Avenue towards Piraeus (10 min walk)
By tram:
  Station name: KASOMOULI
  Direction: station is just one block away from Hotel entrance (300m)
By Bus:
  Station name: PANTEIOS (just opposite to the hotel)
  Buses: 040 Piraeus - Syntagma / 550 P.Faliro - Kifisia

Athens public Transport
Athens greater area is covered by a vast network of transportation of all kind. The cost of the ticket is 0.80€ and it is valid for all public transport (bus, metro, tram except the lines connecting Athens city and the airport) for 1,5 hour.
Day ticket for all transport costs 3€ (except airport buses)
Weekly ticket costs 10€
Night buses are: 500 Pireaus – Kifisia, X14 Kifisia - Syntagma Square. 040 Pireaus - Syntagma Square. From Friday to Sunday the tramway is operating a night service from Glyfada - Syntagma and Syntagma - Peace and Friendship Stadium.

LOCAL MAP-VENUE MAP
FUNCTIONAL FOODS and Special Diet Products (Gluten Free)

Over the last several years, an increased number of people have adopted a healthy way of life in order to prevent diseases. In this frame of this trend, the demand of dietary products has increased. The functional foods are similar in appearance with the common foods or may be conventional foods which are consumed as part of the usual diet, but apart from their nutritive usefulness they help the physiological functions of the human body and/or reduce the incidence of chronic illness. The Kaplanidis group launched new products based on flour enriched in isolated functional plant extracts rich in bioactive substances proved to be active as strong antioxidants and cardioprotectors. The Kaplanidis group collaborating with established research groups (Prof. D. Koulartas, Dept. Biochemistry, Biotechnology, University of Thessaly, Greece) and is participating in research projects funded by EU.


NATIONAL LABELS FOR THE CERTIFICATION OF QUALITY IN GREEK AGRICULTURE

Certified agricultural products provided under AGROCERT labels are produced by farms bound to a strict inspection and evaluation system.

AGROCERT is the Designated Authority for:
- the certification of agricultural products
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www.kaplanidis.gr
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