

**IV Balkan Botanical Congress
20-26 June 2006 – Sofia, Bulgaria**

Program

Tuesday, 20 June 2006

Vitosha Park Hotel

14:00-20:00 Registration

20:00 Opening ceremony

Welcome Address from the President of the Congress

Welcome Address from the President of the Bulgarian Academy of Science

Welcome Addresses from: Ministry of Environment and Waters
Ministry of Forests
Municipality of Sofia
other institutions

20:00 Welcome reception

Scientific Program

Wednesday, 21 June 2006

University of National and World Economy, Aula Maxima

Plenary Session

Chairman: Dimitar Peev

9:00 – 9:50 **Arne Strid:** The Botanical Exploration of Greece

9:50 – 10:40 **Vladimir Stevanovic, Kit Tan & Anna Petrova:** Phytogeographical connections of the endemic Balkan flora with Asia Minor

10:40 – 11:20 Break

11:20 – 12:10 **John Rodwell:** Future landscapes for Europe: a challenge for vegetation science

12:10 – 13:00 **Giuseppe Venturella:** Recording and mapping the Mediterranean mycota: the case of Sicily (South Italy)

13:00 - 14:30 Noon Break

Congress Center, Vitosha Park Hotel

Wednesday, 21 June 2006

Scientific Area B. *Plant diversity - past and present*

Organizers: Mincho Anchev & Dimiter Ivanov

14:30 – 15:50 Hall 1

Chairman: Mincho Anchev

14:30 – 14:50 **D. Peev, M. Delcheva & I. Nenova:** Balkan vascular flora in figures

14:50 – 15:10 **E. Bozilova:** Palaeoecological evidence of the main postglacial vegetation and climate changes in Southwestern Bulgaria from the Neolithic to modern times

15:10 - 15:30 **D. Ivanov, A. R. Ashraf, T. Utescher, V. Mosbrugger, E. Slavomirova & V. Bozukov:** Palynological data on Late Miocene vegetation in the area of Beli Breg Coal Basin, West Bulgaria (SE Europe)

15:30 - 15:50 **F. Diaconu:** Macroflora from Batoti (Mehedinti County) – a paleofloral heritage of Romania

15:50 – 16:30 Coffee break

16:30 – 17:50 Poster presentations: Scientific Area B.

Scientific Area D: *Fungal diversity*

Organizer: Ganka Bakalova

14:30 – 15:50 Hall 3

Chairman: G. Venturella

14:30 – 14:50 **S. Diamandis & C. Perlerou:** *Agaricus* species from Greece

14:50 – 15:10 **P. Delivorias & Z. Gonou-Zagou:** The genus *Crepidotus* in Greece – an example of underestimated biodiversity

15:10 - 15:30 **S. I. Dimitriadis, Z. Gonou-Zagou & E. Kapsanaki-Gotsi:** Macromycetes from Mediterranean ecosystems: The case of Mount Ymittos, Attiki, Greece

15:30 - 15:50 **D. Floudas, Z. Gonou-Zagou & E. Kapsanaki-Gotsi:** New and interesting records of macrofungi from the oak forest of Kouri, Magnisia, Greece

15:50 – 16:30 Coffee break

Scientific Area G. *Botanical collections and education in botany*

Organizers: Maria Popova & Krassimir Kossev

14:30 – 15:50 Hall 4

Chairman: K. Kossev

14:30 – 14:50 **S. Vukojicic & D. Lakusic:** Herbarium material of Josif Pančič from Bulgaria

14:50 – 15:10 **V. Holubec, T. Vymyslicky & V. Meglic:** Collecting of plant genetic resources in the Balkan peninsula

15:10 - 15:30 **E. S. Chavchavadze, T. I. Kravtsova & S.B. Volkova:** On the collections of the Botanical Museum at the Komarov Botanical Institute - RAS

15:30 - 15:50 **N. Shiyan:** The National Herbarium of Ukraine (KW) in 2005

15:50 – 16:30 Coffee break

16:30 – 17:10 Hall 4

Chairman: M. Popova

16:30 – 16:50 **L. Stelmakh, O. Galatonova, R. Li & I. Babich:** Collection of phytoplankton cultures in IBSS (Ukraine): methods of isolation and keeping. Ecological investigations and practical importance

16:50 – 17:10 **S. Kapelari, G. Bromley, S. Johnson, C. Bonomi & K. Kossev:** Plant science garden plant science education for primary schools in European botanic gardens

16:30 – 17:50 Poster presentations: Scientific Area B.

Thursday, 22 June 2006

Scientific Area B: *Plant diversity - past and present*

9:00 – 10:40 Hall 1

Chairman: E. Bozilova

- 9:00 – 9:20 **B. Tsenov, V. Bozukov, D. Ivanov, A. R. Ashraf & T. Utescher:** Fossil *Fagaceae* in the Kanina open cast (Southwest Bulgaria): taxonomical and palaeoecological analysis
- 9:20 – 9:40 **T. Utescher, D. Ivanov, A. R. Ashraf, V. Bozukov & V. Mosbrugger:** Palaeoclimate studies based on a pollen record from Late Miocene freshwater deposits of the Beli Breg Coal Basin, West Bulgaria (SE Europe)
- 9:40 – 10:00 **M. Filipova-Marinova:** Palaeoecological evidence on the vegetation history and human occupation in the coastal area of lake Shabla-Ezeretz (Northeastern Bulgaria)
- 10:00 – 10:20 **E. K. Magyari, J. C. Chapman, B. Gaydarska & E. Marinova:** Late Glacial vegetation in the Thracian Plain, SE Bulgaria
- 10:20 – 10:40 **M. Filipova-Marinova, E. Bozilova & S. Hicks:** Pollen monitoring of different plant communities along the Bulgarian Black Sea coast

10:40 – 11:20 Coffee break

11:20 – 13:00 Hall 1

Chairman: S. L. Mosyakin

- 11:20 – 11:40 **O. Vasic:** Role and impact of adventive plants on diversity of flora at Balkan Peninsula
- 11:40 – 12:00 **A. Bezusko & Y. Movchan:** Conservation of biodiversity under the context of econet context: ecosystem and paleobotanical aspects
- 12:00 – 12:20 **G. Abay, G. Uyar, B. Cetin & T. Keceli:** New Bryofloristic records for the Square A4 (Rize, Turkey)
- 12:20 – 12:40 **R. Natcheva & A. Ganeva:** Diversity and conservation of the bryophytes in Bulgaria: a national and regional perspective
- 12:40 – 13:00 **Ch. Gushev & D. Uzunov:** Progresses of the floristic investigations in Bulgaria

13:00 - 14:30 Noon Break

14:30 – 15:50 Hall 1

Chairman: D. Ivanov

- 14:30 – 14:50 **F. Rexhepi, F. Millaku & E. Krasniqi:** Some endemic species of Kosovo's flora
- 14:50 – 15:10 **K. Ertugrul & E. Arslan:** Taxonomic status of the genus *Sartoria* Boiss & Heldr. (*Leguminosae*)
- 15:10 - 15:30 **S. Öz Aydın, G. Tümen & F. Köçkar:** The contribution of morphological traits and molecular markers on systematical problems of some Turkish *Satureja* species
- 15:30 - 15:50 **E. Krasniqi, F. Millaku & F. Rexhepi:** About some species of flora on the serpentines of Kosovo
- 15:50 – 16:30 Coffee break**

16:30 – 17:50 Poster presentations: Scientific Areas E, F & G

Scientific Area C: *Plant ecology. Vegetation and habitat diversity*

Organizer: Tenyo Meshinev

9:00 – 10:40 Hall 2

Chairman: T. Meshinev

- 9:00 – 9:20 **E. Bergmeier:** Calculating plant geographical and ecological distances within south Balkanic forest vegetation types by means of their floristic composition

- 9:20 – 9:40 **F. Spada:** On the analogies between the plant cover in the Balkan and in the Italian peninsula
- 9:40 – 10:00 **L. Rakonjac, Z. Tomic, V. Lavadinovich:** Degradation of mountain beach forest (Fagetum moesiaca montanum Jov.) in Serbia
- 10:00 – 10:20 **Bo L.B. Wiman, Pl. Gaydarova, L. Yurukova, E. Donev & A. Reinap:** Tree structure and atmospheric exchange in Strandzha oak forests
- 10:20 – 10:40 **D. Mirzabagheri:** A survey of plants vegetation types in south of Iran (south west of Kerman)

10:40 – 11:20 Coffee break

11:20 – 13:00 Hall 2

Chairman: J. Rodwell

- 11:20 – 11:40 **V. Roussakova, M. Dimitrov & R. Tzonev:** Syntaxa according the Braun-Blanquet's approach in Bulgaria
- 11:40 – 12:00 **M. Hajek, P. Hajkova & I. Apostolova:** Spring and fen vegetation in the Bulgarian mountain ranges
- 12:00 – 12:20 **I. Apostolova:** Syntaxonomy of *Juniperus sibirica* communities in Bulgaria
- 12:20 – 12:40 **A. Čarni, V. Matevski & U. Silc:** *Cistus incanus* dominated communities in the Southern Balkans

13:00 – 14:00 Noon Break

14:30 – 15:50 Hall 2

Chairman: P. Dimopoulos

- 14:30 – 14:50 **V. A. Cheryomushkina:** Population strategy of *Allium* species
- 14:50 – 15:10 **M. Ali Rezaei:** The study of genotypic evolution of *Melilotus alba*, collected from three different ecological area of Iran
- 15:10 – 15:30 **E. Kozuharova, D. H. Firmage:** Pollination ecology of *Astragalus alopecurus* Pallas
- 15:30 – 15:50 **A. Edreva, V. Velikova, T. Tsonev, E. Gesheva, S. Dagnon, F. Loreto & A. Gürel:** Secondary metabolites: tools for stress protection in plants

15:50 – 16:30: Coffee break

16:30 – 17:50 Poster presentations: Scientific Areas E, F & G

Scientific Area D: Fungal diversity

9:00 – 10:40 Hall 3

Chairman: V. Antonín

- 9:00 – 9:20 **M. Karadelev & K. Rusevska:** Ecology and distribution of species from order Tulostomatales (Gasteromycetes) in the Republic of Macedonia
- 9:20 – 9:40 **I. Akata, B. Çetin & M. İpiloğlu:** Macrofungi of Kızılcahamam Soğuksu National Park (Ankara, Turkey)
- 9:40 – 10:00 **H. H. Dogan, G. Kasik, C. Ozturk & S. Aktas:** Macrofungi distribution of Kestel province from Turkey
- 10:00 – 10:20 **S. Aktas, C. Ozturk, G. Kasik & H. H. Dogan:** New records for the Turkish macrofungi from Amasya province (Turkey)
- 10:20 – 10:40 **A. Kaya:** Macrofungi of Goksu River Basin (Adiyaman-Turkey)
- 10:40 – 11:20 Coffee break**

11:20 – 13:00 Hall 3

Chairman: D. Stoykov

11:20 – 11:40 **S. Loppi:** Diversity of epiphytic lichens, air pollution and nitrogen deposition

11:40 – 12:00 **S. Ya. Kondratyuk:** Zonal-belt approach in lichen geography

12:00 – 12:20 **M. Haji Moniri Anbaran & M. R. D. Seaward:** *Teloschistes*, a lichen genus new to Iran

12:20 – 12:40 **S. Ya. Kondratyuk & I. Kärnefelt:** To study of the *Teloschistaceae* (Ascomycota) of Australia

12:40 – 13:00 **B. Valiyeva:** Diversity of micromycetes on naturalized plants in the Botanical Gardens in Kazakhstan

13:00 - 14:30 Noon Break

14:30 – 15:50 Hall 3

Chairman: S. Diamandis

14:30 – 14:50 **D. Y. Stoykov & C. M. Denchev:** Overview of Diaporthales in Bulgaria

14:50 – 15:10 **F. Selcuk, E. Hüseyin, A. Sahin & M. Erdogdu:** New records of ascomycetous microfungi species for Turkey

15:10 – 15:30 **F. Selcuk, E. Hüseyin & A. Sahin:** New records of ascomycetous microfungi genera for Turkey

15:30 – 15:50 **S. Spasikova & M. Karadelev:** Second contribution to hallucinogenic fungi in the Republic of Macedonia

15:50 – 16:30 Coffee break

16:30 – 17:50 Poster presentations: Scientific Areas E, F & G

Scientific Area F: *Ethnobotany and phytochemistry*

Organizer: Gerasim Kitanov

9:00 – 10:40 Hall 4

Chairman: S. Ivancheva

9:00 – 9:20 **E. Abaka & S. Yurdugül:** Long-term preservation of Persimmon fruit (*Diospyros kaki* L.) by an edible coating material (SEMPERFRESH), microwave and cold storage application: Certain chemical and microbiological properties

9:20 – 9:40 **A. Çelekli & B. Muharrem:** Effects of pH, nitrate and phosphate concentrations on growth, production of protein, chlorophyll a, and biomass of *Scenedesmus obliquus* species

9:40 – 10:00 **T.L. Egoshina & E.A. Luginina:** Ethnobotanical researches in taiga zone of Russia

10:00 – 10:20 **S. Gadzovska, S. Maury, M. Spasenoski, C. Joseph & D. Hagčge:** Jasmonic acid elicitation of phenylpropanoids and naphthodianthrone in *Hypericum perforatum* L. cell suspensions

10:20 – 10:40 **E. Goldin:** The biocidal activity of some Black Sea macrophytes in express tests

10:40 – 11:20 Coffee break

11:20 – 13:00 Hall 4

Chairman: T. L. Egoshina

11:20 – 11:40 **V. A. Kurkin:** Phenylpropanoids of medicinal plants

11:40 – 12:00 **M. Nikolova & S. Ivancheva:** Distribution of surface flavonoids in Bulgarian plants

12:00 – 12:20 **A. Rezaeinodehi, F. Sefidkon & S. Khangholi:** Chemical composition of the essential oil of wormwood (*Artemisia absinthium* L.) growing wild in Iran

12:20 – 12:40 **G. Tajadod & S. M. Entezari:** Allergic properties and the effect of air pollution in increasing these symptoms in pollens of *Triticum aestivum*

12:40 – 13:00 **N. Özhatay, Ş. Kültür, E. Akalin & G. Ecevit:** A contribution to the ethnobotanical knowledge in European Turkey

13:00 - 14:30 Noon Break

Scientific Area E: *Plant and habitat conservation*

Organizer: Anna Ganeva

14:30 – 15:50 Hall 4

Chairman: O. Maoutford

14:30 – 14:50 **S. Ziman, E. Bulakh & A. Hamor:** “Hot spots” within the high-mountain floras as the sectors of the integrity of the rare species (on the model of the Ukrainian Carpathians)

14:50 – 15:10 **C. Türe, E. Tire & H. Böcük:** Vascular plant diversity and conservation of Günyurdu Dam reservoir area and its surroundings (Ahi Mountain -Bilecik, Turkey)

15:10 - 15:30 **J. Puchalski, W. Gawrys & A. Obluska:** *Ex situ* conservation in botanical gardens of the Polish vascular plants threatened with extinction

15:30 - 15:50 **D. S. Dimitrov & V. Vutov:** Flora and vegetation of the protected areas Stobski Piramidi and Kutinski Piramidi

15:50 – 16:30 Coffee break

16:30 – 17:50 Poster presentations: Scientific Areas E, F & G

Friday, 23 June 2006

Mid congress excursion – Vitosha Mountain

Start time: 09:00

Place: *Vitosha Park Hotel*

Return to Sofia: 15:30

Saturday, 24 June 2006

Scientific Area B. *Plant diversity - past and present*

9:00 – 10:40 Hall 1

Chairman: P. Zhelev

- 9:00 – 9:20 **M. Anchev:** Polyploidy and hybridogenesis in Bulgarian *Brassicaceae* – distribution and evolutionary role
- 9:20 – 9:40 **J. Greilhuber, D. Dimitrova & V. Vladimirov:** Plant genome size: current problems, biological significance and a role for the Bulgarian flora
- 9:40 – 10:00 **V. Georgiev, V. Valchev & S. Tsoneva:** State of the project for computer database of macrophytes in Bulgaria
- 10:00 – 10:20 **S. Ziman & E. Bulakh:** The high-mountain species of *Anemone* (*Ranunculaceae*) and their biomorphological patterns
- 10:20 – 10:40 **F. Krahulec, A. Krahulcová & V. Vladimirov:** Comparison of *Hieracium* subgen. *Pilosella* in Bulgarian and Czech populations: how is the interspecific hybridization reflected in population structure?

10:40 – 11:20 Coffee break

11:20 – 13:00 Hall 1

Chairman: M. Anchev:

- 11:20 – 11:40 **I. Resetnik, Z. Liber, Z. Satovic & T. Nikolic:** *Lilium carniolicum* group (*Liliaceae*): evidence from phylogenetic analyses of nuclear ITS sequences
- 11:40 – 12:00 **L. Peruzzi:** Phylogenetic relationships of *Gagea* (*Liliaceae*) in Italy, inferred from morphological data matrix
- 12:00 – 12:20 **M. Noori, M. Bashari & G. Bakhshi:** Studies of morphological variation between populations of *Ononis* (*Leguminosae*) in *Hamadan* province of Iran
- 12:20 – 12:40 **L. Evstatieva, R. Hardalova & K. Stoyanova:** Biodiversity of medicinal plants in Bulgaria – assessment, conservation and utilisation
- 12:40 – 13:00 **B. Frajman & B. Oxelman:** Reticulate phylogenetics of *Heliosperma* (*Sileneae*, *Caryophyllaceae*) inferred from chloroplast and nuclear DNA sequences

13:00 - 14:30 Noon Break

14:30 – 15:50 Hall 1

Chairman: O. Vasic

- 14:30 – 14:50 **S. Stefanovic, V. Stevanovic, D. Lakusic, M. Kuzmina, S. Medjedovic & Kit Tan:** Distribution, diversity and molecular phylogeny of *Edraianthus* DC. (Grass Bells; *Campanulaceae*)
- 14:50 – 15:10 **P. Zhelev, E. Tsavkov & S. Yurukov:** Genetic diversity in the populations of Bulgarian oak (*Quercus*) species
- 15:10 - 15:30 **V. Isajev & V. Ivetic:** Biodiversity of *Acer heldreichii* - base for intensive use in forestry
- 15:30 - 15:50 **Z. Gumbatov:** The genofund of conifers in Azerbaijan and the questions of its diagnostics
- 15:50 – 16:30: Coffee break**

16:30 – 17:50 Poster presentations: Scientific Areas C & D

Scientific Area C: *Plant ecology. Vegetation and habitat diversity*

9:00 – 10:40 Hall 2

Chairman: I. Apostolova

- 9:00 – 9:20 **A. Gossiou, I.N. Vogiatzakis, S. Zogaris & P.D. Dimopoulos:** Development of a classification system for riparian zones in the Aaos river basin (NW Greece)

- 9:20 – 9:40 **L. Dimeyeva & T. Altan:** Vegetation analysis of Ala-Dagh range (Taurus Mountains/Turkey)
- 9:40 – 10:00 **Alegro, S. Bogdanović & I. Dobrović:** Plant diversity of the Mt. Biokovo (Croatia)
- 10:00 – 10:20 **D. Mirzabagheri:** Collection, identification, and ethnopharmacology of medicinal flora of Koshk and Dehsard area in Kerman province in Iran
- 10:20 – 10:40 **E. Gurbanov:** The subalpine meadows of Atropatena (in the limits of Azerbaijan Republic)
- 10:40 – 11:20 Coffee break**

11:20 – 13:00 Hall 2

Chairman: A. Carni

- 11:20 – 11:40 **Y.B. Kose, S. Celik, K.Ozkan, E. Yucel & M. Ozturk:** Geobotanical structure of *Carpinus betulus* forests in Turkey
- 11:40 – 12:00 **I. Popović & D. Obratov-Petković:** Serpentine flora of several regions in Serbia
- 12:00 – 12:20 **V. Atamov, M. Yavuz, E. Çetin, M. Aslan & C. Cevheri:** The situation of succession of cover of plant where placed between border of Syria and Harran Plain, Akçakale County of Şanlıurfa, Turkey
- 12:20 – 12:40 **S. Radanova:** Peculiarities of the plant cover in a burnt out area over Dabrava village, Stara Zagora region
- 12:40 – 13:00 **R. Tzonev:** Plant communities, habitats and ecological changes in the vegetation on the territory of three protected areas along the Danube River
- 13:00 - 14:30 Noon Break**

14:30 – 15:50 Hall 2

Chairman: F. Babani

- 14:30 – 14:50 **G. Terziyski:** The effect of urbanisation on plant diversity in two case study areas
- 14:50 – 15:10 **R. Yilmaz, S. Sakcali, U. Erdem & M. Ozturk:** Urban Ecology of Edirne-Turkey
- 15:10 – 15:30 **L. Dosenovic:** An appraisal of the forest structure recreation validity with the area of Banja Luka
- 15:30 – 15:50 **S. S. Mataca:** New associations in the Iron Gates Natural Park
- 15:50 – 16:30 Coffee break**

16:30 – 17:50 Poster presentations: Scientific Areas C & D

Saturday, 24 June 2006

Scientific Area D: Fungal diversity

9:00 – 10:40 Hall 3

Chairman: E. Sameva

- 9:00 – 9:20 **M. Erdogdu & E. Hüseyin:** Current status of the genus *Phyllosticta* Pers. in Turkey
- 9:20 – 9:40 **E. Hüseyin, F. Selcuk & M. Yildizbas:** Coelomycetes in Turkey. The genus *Phoma* Sacc
- 9:40 – 10:00 **E. Hüseyin & M. Erdogdu:** The genus *Septoria* Sacc. in Turkey
- 10:00 – 10:20 **B. S. Cevrimli, E. Kariptas & M. Ozkan:** Citric acid production from molasses by *Aspergillus niger* in batch culture

10:40 – 11:20 Coffee break

Saturday, 24 June 2006

Scientific Area A: *Plant structure, function and development*

Organizer: Dimitar Terziyski

11:20 – 13:00 Hall 3

Chairman: D. Terziyski

- 11:20 – 11:40 **A. Tashev & K. Petkova:** Fruit and seed morphological peculiarities of the critically threatened *Malus trilobata* (Labill.) Schneid
- 11:40 – 12:00 **R. Vignani, M. Scali, E. Paolucci, E. Sensi, W. Wang, L. Pecoraro, G. Percoco & M. Cresti:** Genotyping analysis and molecular dissection of the stylbene synthase gene in Italian grapevine (*Vitis vinifera* L.) cultivars
- 12:00 – 12:20 **L. Muravnik & A. Ivanova:** Common ultrastructural features of *Drosera* tentacles and *Juglans* fruit glands in relation to secondary metabolites production
- 12:20 – 12:40 **I. Savinov:** Floral structure in *Brexia*, *Parnassia* and some *Celastraceae* in comparison aspect
- 12:40 – 13:00 **N. Popil:** Sexual structure of natural populations of some diclinous species of Kiev region

13:00 - 14:30 Noon Break

14:30 – 15:50 Hall 3

Chairman: I. Savinov

- 14:30 – 14:50 **A. Sinjushin, F. Konovalov & S. Gostimsky:** Investigation of fasciated mutant of *Pisum sativum* L.
- 14:50 – 15:10 **F. Fallahianš & A. Mazooji:** Spore morphology of the *Woodsiaceae* family in Iran
- 15:10 - 15:30 **E. Cabi, S. Pehlivan & H. Özler:** An examination of pollen morphology of some species belonging to *Gramineae* family
- 15:30 - 15:50 **D. Kremer, K. Karlovic & V. Zidovec:** Morphological variability of phylloclades and fruits of *Ruscus hypoglossum* L. in Croatia

15:50 – 16:30 Coffee break

16:30 – 17:50 Poster presentations: Scientific Areas C & D

Scientific Area E: *Plant and habitat conservation*

9:00 – 10:40 Hall 4

Chairman: S. Ziman

- 9:00 – 9:20 **D. D. Dimitrov:** Flora and vegetation of the Poda Protected Area, south of Burgas
- 9:20 – 9:40 **C. Colacino:** The bryoflora of Albania: chorology, conservation issues
- 9:40 – 10:00 **B. Papp, P. Erzberger & M. Sabovljević:** New, interesting and red-listed bryophyte species collected during the expeditions of the Hungarian Natural History Museum in Serbia between 2000-2005
- 10:00 – 10:20 **O. Mountford & O. Pop:** Baseline survey as a tool in informing the management of protected areas in Romania
- 10:20 – 10:40 **O. Mountford & J. Akeroyd:** Village grasslands of Romania - an undervalued conservation resource

10:40 – 11:20 Coffee break

11:20 – 13:00 Hall 4

Chairman: J. Puchalski

- 11:20 – 11:40 **T. Meshinev:** High nature value farmland - scientific challenges
- 11:40 – 12:00 **M. Stanilova, Y. Bosseva, T. Stoeva, C. Gushev & M. Burrus:** Biotechnological approaches for *ex situ* plant conservation

12:00 – 12:20 **O. Klymenko & M. Klymenko:** Use of *Rosa* vegetative reproduction for its conservation and introduction

16:30 – 17:50 Poster presentations: Scientific Areas C & D

Sunday, 25 June 2006

Scientific Area B: *Plant diversity - past and present*

9:00 – 10:40 Hall 1

Chairman: M. Filipova

9:00 – 9:20 **P. Schoenswetter:** A first attempt towards a comparative phylogeography of the southern European mountain ranges

9:20 – 9:40 **V. Ivetič & V. Isajev:** Introduction of red oak in Serbia - past and present

9:40 – 10:00 **A. D. Koca & Ş. Yildirimli:** Flora of Akçakoca (Düzce - Turkey) district

10:00 – 10:20 **A. Jafari:** Taxonomical study on *Muscari* and a new species from Iran.

10:20 – 10:40 **M. Tomasevic & V. Stevanovic:** Balkan distribution of Carpathian-Balkan orophytes

10:40 – 11:20 Coffee break

11:20 – 13:00 Hall 1

Chairman: S. Bancheva

11:20 – 11:40 **D. Uzunov, F. Conti, D. Lakushic & C. Gangale:** A proposal of chorology representation model for the Balkan-Apennine species

11:40 – 12:00 **D. Uzunov:** Preliminary data for the phytogeographycal analysis of N Pirin Mts. (SW Bulgaria)

12:00 – 12:20 **F. Sharifnia & M. Assadi:** A taxonomic study of *Verbascum* L. (*Scrophulariaceae*) in Iran

12:20 – 12:40 **T. Uysal & K. Ertugrul:** A taxonomical study on some endemic *Centaurea* L. species from Turkey

12:40 – 13:00 **Sulejman Redzic:** Floristical-vegetation information system as a mean for sustainable management and protection of biodiversity on the Balkan peninsula

14:30 – 15:50 Hall 1

Chairman: V. Vladimirov

14:30 – 14:50 **S. Sajedi, F. Sharifnia & M. Asadi:** A numeric taxonomy of the genus *Isatis* (*Cruciferae*) in Iran

14:50 – 15:10 **M. Ozkan, E. Kariptas, B. Cevrimli & E. Huseyin:** Karyological investigation on two endemic *Salvia* (*Lamiaceae*) species in Turkey

15:50 – 16:30: Coffee break

16:30 – 17:00 Poster presentations: Scientific Session A

17:30 – 18:00 Closing Statements

Scientific Area C: *Plant ecology. Vegetation and habitat diversity*

9:00 – 10:40 Hall 2

Chairman: G Terziiski

9.00 - 9.20 **L. Stelmakh:** Ecological and physiological basis of phytoplankton diversity in the Black Sea

9.20 - 9.40 **F. Babani, E. Kongjika, A. Mullaj & A. Ylli Kraja:** Phytoplankton photosynthetic pigments of some Albanian water ecosystems

9.40 - 10.00 **A. Çelekli, O. Kulkoyluoglu:** Phytoplankton (except Bacillariophyceae) community and its relationship to environmental factors in lake Abant (Bolu)

10.00 - 10.20 **A. Ildiz, G. Uyar, N. Yildiz, C. İlek, H. Özbay & M. Öncel:** Accumulation of Heavy Metal Elements from Vehicles in Transplanted Lichens in Kars City (Turkey)

10.20 - 10.40 **D. Vukov, R. Igic, P. Boza, G. Anackov & G.A. Janauer:** Adventive aquatic macrophytes along the Danube River in Serbia

10:40 – 11:20 Coffee break

11:20 – 13:00 Hall 2

Chairman: S. Mataca

11.20-11.40 **A. Kuzemko:** Presence of kenophytes in meadow communities of the Forested Lowland and Steppe-Forest Zones in Ukraine

11.40-12.00 **A. Tashev & J. Poriakov:** Growth peculiarities of *Pinus brutia* Ten. in Bulgaria (Eastern Rhodopes)

12.00-12.20 **V. Lavadinovic, M. Koprivica, V. Isajev & L. Raconjac:** Dependence of Douglas fir height on geographic characteristics of provenances in the experiment in East Serbia

12.20-12.30 **T. Meshinev:** Closing notes for *Scientific Area C*

16:30 – 17:00 Poster presentations: Scientific Session A

17:30 – 18:00 Closing Statements

Scientific Area A: Plant structure, function and development

9:00 – 10:40 Hall 3

Chairman: Ş. Akinci

9:00 – 9:20 **B. Yaman:** Variations in quantitative vessel element characters of *Cerasus avium* (L.) Moench wood in Euxine province of Turkey

9:20 – 9:40 **M. Popova:** Use of plant resources of genus *Rosa* L. (*Rosaceae*) in Bulgaria

9:40 – 10:00 **I. Stancheva, M. Geneva, G. Zehirov & G. Georgiev:** Regulation of milk thistle (*Silybum marianum* L.) seed yield and silymarin content after treatment with thidiazuron and foliar fertilizer

10:00 – 10:20 **I. Tsekos:** Spatial representation of cellulose synthesis in the red algal cell wall

10:20 – 10:40 **Sh. Enteshari, Kh. Kalantari & M. Ghorbanli:** The effect of different bands of UV-radiation and 24-epibrassinolide on lipid peroxidation, protein, proline and reduced sugar content and antioxidant enzyme activity in *Glycine max* L. leaves

10:40 – 11:20 Coffee break

11:20 – 13:00

Chairman: I. Tsekos

11:20 – 11:40 **Ş. Akinci, I. Özyğit, H. Çimen & A. Eroğlu:** The determination of nutrient contents of common nettle (*Urtica dioica* L.) under water stress

11:40 – 12:00 **A. Turker, B. Yucesan, H. Turker & E. Gurel:** In vitro plant regeneration in *Lythrum salicaria* L. (Purple loosestrife)

12:00 – 12:20 **E. Arican, G. Albayrak & H. Nebioglu:** Answer to hyperbaric pressure of *Hordeum vulgare* L. cv. Tokak

12:20 – 12:40 **F. Abbassi:** Effects of water deficit and salinity on some of the growth properties of *Aeluropus* sp.

12:40 – 13:00 **O. Voronova:** Apospory in *Helianthus*: the development of ovule and embryo sacs formation

14:30 – 15:50

Chairman: O. Voronova

14:30 – 14:50 **M. Mataruga:** Seed and sapling characteristics of black pine half sibilines (*Pinus nigra* Arnold) growing on extremely rough sites

14:50 – 15:10 **M. Veselinovic, V. Golubovic-Curguz & D. Vilotic:** Root development of *Picea abies* (L.) Karst. seedlings in the different substrates

15:10 - 15:30 **A. Turker, B. Yucesan, H. Turker & E. Gurel:** In vitro culture of Vervain (*Verbena officinalis* L.)

15:50 – 16:30: Coffee break

16:30 – 17:00 Poster presentations: Scientific Session A

17:30 – 18:00 Closing Statements

Monday, 26 June 2006

Post-Congress botanical field trips:

Southeast Bulgaria, Mt Strandzha (4 days)

Southwest Bulgaria, river Strouma valley and Rila and Pirin mountains (3 days)

South Bulgaria, Western Rhodopi Mountains (3 days)