

WEDNESDAY - 26.08.09

07:30 - 09:00 **REGISTRATION**

09:00 - 09:30 **OPENING CEREMONY**

PLENARY SESSION I

09:30 - 10:20 **MARC VAN MONTAGU**: THE IMPORTANCE OF PLANT BIOTECHNOLOGY FOR SOCIETY AND ENVIRONMENT

10:20 - 11:10 **COLIN TURNBULL**: BUILDING BETTER PLANTS: SHOOT ARCHITECTURE TRAITS FOR CROP IMPROVEMENT

11:10 - 11:40 **COFFEE BREAK**

11:40 - 12:30 **ANN DEPICKER**: GENETICS AND EPIGENETICS OF TRANSGENE LOCI

12:30 - 13:20 **WENDY HARWOOD**: PERFECTING CROP TRANSFORMATION

13:30 **LUNCH**

WORKING GROUPS SESSIONS

WG2

14:40 - 15:00 **KECHEVA R. Z.**: MATHEMATICAL DESCRIPTION OF THE DOSE-EFFECT PHENOMENON ON THE PITUITARY GLAND-ADRENAL GLANDS AXIS AFTER EXTERNAL GAMMA IRRADIATION

15:00 - 15:20 **KORNAŠ S.**: PSEUDOINFECTION OF FOALS WITH INTESTINAL PARASITES

15:20 - 15:40 **KORNAŠ S.**: DIVERSITY OF THE *STRONGYLIDAE* SPECIES IN HORSES PRELIMINARY STUDY

15:40 - 16:00 **POPOV B.**: RADIOPROTECTION FROM GENETIC DAMAGES BY *HABERLEA RHODOPENSIS*. *IN VIVO/IN VITRO* STUDY WITH RABBITS.

16:00 - 16:20 **SECHMAN A.**: EFFECT OF TRIIODOTHYRONINE ON LH- AND 8-BR-CAMP-STIMULATED STEROIDS SECRETION BY OVARIAN FOLLICLES OF THE HEN (*GALLUS DOMESTICUS*)

16:20 - 16:40 **GLAZKO V.I.**: DNA TECHNOLOGIES IN INVESTIGATION OF CHROMOSOME AND CELL PHENOTYPES

WG3

14:40 - 15:00 **BUDOJ G.**: METHOD TO RELEASE AND STUDY NITROGEN DEFICIENCY IN DIFFERENT PLANT SPECIES

15:00 - 15:20 **BUDOJ G.**: EXPERIMENTAL OPTIMAL RATES OF FERTILIZERS, EXPOR, IN GRAPEVINE: SCIENCE AND SCIENTIFIC DILETTANTISM

15:20 - 15:40 **CORSINI A.**: BIOLOGICAL MOBILIZATION OF ARSENIC IN A PYRITE CINDERS POLLUTED SOIL

15:40 - 16:00 **FILIPPOV M. F.**: INVESTIGATION OF URANIUM AND CAESIUM SORPTION BY SOIL FROM THE REGION OF LOCATION OF RADIOACTIVE WASTE REPOSITORY IN BULGARIA

16:00 - 16:20 **GERTSIS A.**: USING A WASTE PRODUCT FOR SOIL IMPROVEMENT

16:20 - 16:40 **PÖSCHL M.**: RECENT RADIO-CONTAMINATION OF SOILS IN THE CZECH REPUBLIC WITH RADIOCAESIUM

WG4

- 14:40 – 14:55 **MACEK T.:** PHYTOECDYSTEROIDS MAY HAVE A NEW ROLE – REGULATION OF PLANT ENZYME ACTIVITIES
- 14:55 – 15:10 **PODLIPNÁ R.:** ACCUMULATION OF HEAVY METALS AND DEGRADATION OF EXPLOSIVES BY SUSPENSION CULTURES OF TRANSGENIC FLAX
- 15:10 – 15:25 **HRADILOVÁ J.:** COMPARATIVE ANALYSIS OF PROTEOME CHANGES IN CONTRASTING FLAX CULTIVARS UPON CADMIUM EXPOSURE
- 15:25 – 15:40 **VRBOVÁ M.:** AGROBACTERIUM-MEDIATED TRANSFORMATION OF FLAX - A FUNCTIONAL METODOLOGY
- 15:40 – 15:55 **ŠVÁBOVÁ L.:** GENETIC MODIFICATION EXPERIMENTS ON PEA WITH CONSTRUCTS CONTAINING *GMSP1-2* GENE AIMED AT IMPROVED PATHOGEN AND INSECT RESISTANCE
- 15:55 – 16:10 **RAKOUSKÝ S.:** ASSESSMENT OF A FUSED SERIN PROTEASE INHIBITOR SPI2:GFP GENE EXPRESSION IN TRANSGENIC PLANTS USING BIOTESTS WITH PLANT PATHOGENES
- 16:10 – 16:25 **LEBEDEV V.G.:** LONG-TERM STABILITY OF TRANSGENE EXPRESSION IN PEAR PLANTS IN THE GREENHOUSE AND IN THE FIELD
- 16:25 – 16:40 **BALLA J.:** COMPETITIVE CANALIZATION OF PIN-DEPENDENT AUXIN FLOW FROM TWO SOURCES
- 16:40 **COFFEE BREAK**

WG1

- 17:20 – 17:40 **VITOROVIC G.**: RADIOECOLOGICAL INVESTIGATION IN THE ANIMAL PRODUCTS FROM THE FOOD CHAIN IN THE BELGRADE ENVIRONMENT
- 17:40 – 18:00 **JACKOWSKA-TRACZ A.**: EFFECT OF HIGH PRESSURE TREATMENT ON SURVIVAL OF CAMPYLOBACTER JEJUNI IN MEAT
- 18:00 – 18:20 **SZCZAWIŃSKI J.**: GROWTH OF SALMONELLA ENTERITIDIS REDUCED BY MICROWAVE OR CONVENTIONAL HEATING

WG3

- 17:20 – 17:40 **PUTYATIN Y.V.**: INDIVIDUAL OPTIMUMS OF SOIL CATION COMPOSITION FOR CROPS TO MINIMIZE ¹³⁷CS AND ⁹⁰Sr FLOWS IN FOODCHAINS
- 17:40 – 18:00 **BUDOI G.**: TABLES, NOMOGRAMS AND MATHEMATICAL FORMULAS CONCERNING THE pH VARIATION WITH THE CONCENTRATION OF FERTILIZERS SOLUTIONS AS FOLIAR FEEDING: I. SULFATES OF MACRONUTRIENTS
- 18:00 – 18:20 **BUDOI G.**: TABLES, NOMOGRAMS AND MATHEMATICAL FORMULAS CONCERNING THE pH VARIATION WITH THE CONCENTRATION OF FERTILIZERS SOLUTIONS AS FOLIAR FEEDING: II. SULFATES OF MICRONUTRIENTS

WG4

- 17:20 – 17:35 **ČERNÝ M.**: EARLY CYTOKININ RESPONSE PROTEINS AND PHOSPHO-PROTEINS OF *ARABIDOPSIS THALIANA* IDENTIFIED BY PROTEOME AND PHOSPHOPROTEOME PROFILING
- 17:35 – 17:50 **NOVÁK J.**: OXIDATIVE STRESS IN *NICOTIANA TABACUM* WITH ELEVATED LEVEL OF CYTOKININS
- 17:50 – 18:05 **REKOVÁ A.**: CYTOKININS CAN STIMULATE *ARABIDOPSIS HYPOCOTYL* ELONGATION AT DECREASED LIGHT INTENSITY
- 18:05 – 18:20 **SÝKOROVÁ B.**: DIFFERENT SENESCENCE-SUPPRESSION ACTIVITIES OF ISOPRENOID AND AROMATIC CYTOKININS IN OAT AND WHEAT LEAVES REFLECT DIFFERENCES IN CYTOKININ UPTAKE AND METABOLISM IN THE TWO PLANT SPECIES
- 18:20 – 18:35 **ŽIŽKOVÁ E.**: CYTOKININ N-GLUCOSIDES: THEIR APPARENT BIOLOGICAL INACTIVITY RECONSIDERED
- 18:30 – 19:30 **ESNA COMMITTEE MEETING**
- 19:30 **GET-TOGETHER PARTY**

THURSDAY - 27.08.09

PLENARY SESSION II

09:30 – 10:20 **KLAUS PALME:** TOWARDS SYSTEMS ANALYSIS OF PLANT HORMONE ACTION
10:20 – 11:10 **ALEXANDER HEYL:** IDENTIFICATION OF PROTEIN INTERACTIONS WITHIN THE
CYTOKININ SIGNAL TRANSDUCTION PATHWAY AND BEYOND

11:10 – 11:40 **COFFEE BREAK**

11:40 – 12:30 **BRUNO MÜLLER:** FOLLOWING THE TRACES OF CYTOKININ DURING PLANT
DEVELOPMENT

12:30 – 13:20 **ONDŘEJ NOVÁK:** NEW PURIFICATION AND MS APPROACH FOR CYTOKININ
ANALYSIS

13:30 **LUNCH**

WORKING GROUPS SESSIONS

WG3

14:40 – 15:00 **LIČINA V.:** A NEW TECHNOLOGICAL APPROACH IN SANDY COALMINE
DEPOSOL AMELIORATION MEASURES

15:00 – 15:20 **OGUT M.:** THE SELECTION OF GRAFTED MAHALEB CULTIVARS (*PRUNUS*
MAHALEB L.) THAT ARE RESISTANT TO HIGH CaCO₃ CONTENTS IN SOIL

15:20 – 15:40 **OGUT M.:** PHOSPHATE SOLUBILIZATION POTENTIALS OF *ACINETOBACTER*
STRAINS

15:40 – 16:00 **VOLKOGON M.V.:** IAA AND ZEATIN BALANCE IN SOYBEAN PLANTS
INOCULATED WITH *BRADYRHIZOBIUM JAPONICUM* STRAINS

16:00 – 16:20 **GREGO S.:** SOIL PROTEOMIC: A TOOL TO STUDY SOIL FUNCTIONAL
BIODIVERSITY

16:20 – 16:40 **MACKOVÁ M.:** STABLE ISOTOPE PROBING IN BIOREMEDIATION –
IDENTIFICATION OF (POLYCHLORINATED) BIPHENYL-METABOLIZING
RHIZOSPHERIC BACTERIA IN CONTAMINATED SOIL

WG4

14:40 – 14:55 **KIRAKOSYAN D.:** APPLICATION OF BIOTECHNOLOGY METHODS IN *CUCUMBER*
HETEROSIS BREEDING

14:55 – 15:10 **SMETANSKA I.:** PERSPECTIVES OF USING CELL, HAIRY ROOT AND SPROUT
CULTURES IN FOOD TECHNOLOGY

15:10 – 15:25 **STEHLIK L.:** UTILIZATION OF *IN SITU* RNA HYBRIDISATION TECHNIQUE IN
STUDY OF *EUPHORBIA PULCHERRIMA* FLOWER ABSCISSION

15:25 – 15:40 **KABASHNIKOVA L.F.:** THE STATE OF XANTOPHYLL PIGMENTS IN ETIOLATED
SEEDLINGS OF HEXAPLOID TRITICALE WITH DIFFERENT TYPES OF
INTERGENOMIC CHROMOSOME SUBSTITUTIONS UNDER HEAT STRESS

15:40 – 15:55 **HOVHANNISYAN N.A.:** RAPD MARKERS ASSOCIATED WITH SALT TOLERANCE IN
WILD *TRITICACEAE*: AN EXAMPLE OF TOOLS FOR EVALUATION OF BREEDING
POTENTIAL IN CROP WILD RELATIVES

15:55 – 16:10 **ZLATI C.:** HISTOLOGICAL INVESTIGATION ON GRAFT FORMATION OF SOME
PEAR VARIETIES GRAFTED ON QUINCE

16:10 – 16:25 **GRADINARIU G.:** INVESTIGATION ON ANATOMICAL AND HISTOLOGICAL
STRUCTURE OF GRAFT UNION IN PLUM

WG5

- 14:40 – 15:00 **ANTOCE A.O.:** DIFFERENTIATION OF FETEASCA NEAGRA WINES FROM VARIOUS AGRO-ECOSYSTEMS BY THE USE OF AN ELECTRONIC NOSE
- 15:00 – 15:20 **NAMOLOSANU I.:** THE INFLUENCE OF THE AGRO-ECOSYSTEM ON THE QUALITY OF FETEASCA NEAGRA RED WINES IN THREE ROMANIAN VITICULTURAL CENTRES
- 15:20 – 15:40 **DASCALU D.M.:** LANDSCAPING IN THE AGRICULTURAL ENVIRONMENT
- 15:40 – 16:00 **OPREA C.:** ENVIRONMENTAL POLLUTION ASSESSMENT ON AGROECOSYSTEM IN AN OIL INDUSTRY AREA: A MULTIDISCIPLINARY APPROACH
- 16:00 – 16:20 **OPREA C.:** EVALUATION OF SOME QUALITY ATTRIBUTES OF RADISH IN THE SOUTH OF ROMANIA
- 16:20 – 16:40 **ZÁHORA J.:** UNWANTED DELETERIOUS IMPACTS OF THE NITROGEN SURPLUS FROM AGRICULTURE AND INDUSTRY

WG6

- 14:40 – 15:00 **LUCINI L.:** QUECHERS FOLLOWED BY TANDEM MASS SPECTROMETRY METHODS FOR THE ANALYSIS OF PESTICIDE RESIDUES IN CROPS
- 15:00 – 15:20 **TUNCBILEK, A.Ş.:** THE EFFECT OF STORAGE TEMPERATURE ON LARVAL AND ADULT STAGES OF *BRACON BEBETOR* (*HYMENOPTERA: BRACONIDAE*)
- 15:20 – 15:40 **SEHNAL F.:** PERFORMANCE OF *LEPTINOTARSA DECEMLINEATA* ON GM POTATOES EXPRESSING *GALANTHUS NIVALIS* AGGLUTININ (GNA)
- 15:40 – 16:00 **ČEŘOVSKÁ N.:** ANTIBODIES AGAINST RECOMBINANT PLANT VIRAL STRUCTURAL AND NON-STRUCTURAL PROTEINS AND THEIR USE FOR VIRUS DETECTION
- 16:00 – 16:20 **MACEK T.:** TRANSGENIC PLANTS EMITTING INSECT PHEROMONES
- 16:40 **COFFEE BREAK**
- 17:00 – 18:30 **POSTER SESSIONS**
- 19:45 **GALA DINNER**

FRIDAY - 28.08.09

PLENARY SESSION III

09:00 – 11:00 **EVERY WG WILL NOMINATE 1 PRESENTATION FOR THIS PART OF PLENARY SESSION III**

11:00 – 11:20 **COFFEE BREAK**

11:20 – 12:10 **PETR HOŘÍN: BIOLOGY OF ANIMAL BREEDING: FROM GENOMES TO CONSERVATION GENETICS**

12:10 – 13:00 **ANTONÍN STRATIL: GENOMICS IN ANIMAL BREEDING TO IMPROVE PRODUCTION**

13:00 – 13:30 **CLOSING CEREMONY**

13:30 **LUNCH**

15:00 – 17:00 **GUIDED TOUR TO THE MENDEL MUSEUM**