

Programme-2011

**Programme of the 17<sup>th</sup> International Symposium on Analytical and Environmental Problems, SZAB, Szeged, Hungary, 19 September 2011**

**Morning Session**

**Oral presentations**

- 8<sup>55</sup>    **Opening**  
9<sup>00</sup>    **SZEGED VÁROS KÖZLEKEDÉS KÖRNYEZETE A MÚLTBAN ÉS A JELENBEN**  
9<sup>15</sup>    **AUTÓPÁLYA ÉS A KÖRGYŰRŰ HATÁSA A SZEGEDI KÖZLEKEDÉS KÖRNYEZET TERHELÉSÉRE**  
9<sup>30</sup>    **A TALAJVÍZ TOXIKUS ELEMTARTALMÁNAK TÉR- ÉS IDŐBELI VÁLTOZÁSA VÁROSI KÖRNYEZETBEN, SZEGEDEN**  
9<sup>45</sup>    **A PORSZENNYEZÉS HATÁSA A MEZŐGAZDASÁGI NÖVÉNYEK PRODUKCIÓJÁRA**  
10<sup>00</sup>    **NEHÉZFÉMEK EREDETÉNEK ÉS FELDÚSULÁSÁNAK VIZSGÁLATA EGY KÜLVÁROSI KERTES ÖVEZET TALAJÁBAN**  
10<sup>15</sup>    **FORMÁZÓSZEREK JELENLÉTÉNEK HATÁSA A TALAJOLDAT SZERVESANYAG TARTALMÁRA**  
10<sup>30</sup>    **ANTICANCER EFFECTS OF OPTIMAL ENVIRONMENTAL MAGNESIUM**  
10<sup>50</sup>    **KLÓRTARTALMÚ SZENNYEZÉSEK KATALITIKUS LEBONTÁSA**  
11<sup>05</sup>    **A CSAPVÍZTŐL A GLIKOLIG, A KÖRNYEZETI LEVEGŐTŐL A FÖLDGÁZIG; BENZOL ÉS TOLUOL KONCENTRÁCIÓ MEGHATÁROZÁS SZÉLES DINAMIKUS TARTOMÁNYBAN**  
11<sup>20</sup>    **BREAK**

**Poster presentations**

- 9<sup>00</sup>-11<sup>20</sup>    **Preparation of posters (No: 1-70), collection of manuscripts for publications**  
11<sup>20</sup>-13<sup>20</sup>    **Presentations of posters (No: 1-70) in the Poster Halls**

## Afternoon Session

### Oral presentations

- 14<sup>00</sup> NEUROTOXICITY OF MANGANESE ANALYSED BY A NOVEL  
COMBINED ELECTROPHYSIOLOGICAL-BEHAVIORAL RECORDING  
SYSTEM
- 14<sup>15</sup> ENVIRONMENTAL AND ECONOMIC ASPECTS OF BROWNFIELD  
REVITALISATION
- 14<sup>30</sup> SUSTAINABLE DEVELOPMENT AND DILEMMAS IN SUSTAINABILITY  
MEASUREMENT
- 14<sup>45</sup> ADSORPTION OF PHENOL AND P-CHLOROPHENOL FROM AQUEOUS  
SOLUTIONS ON POLYMER ADSORBENTS
- 15<sup>00</sup> COMPARATIVE ELECTROCHEMICAL AND  
PHOTOELECTROCHEMICAL DEGRADATION OF ORGANIC  
POLLUTANTS FROM WATER
- 15<sup>15</sup> PSEUDO-PERSISTENT POLLUTANT IN THE ENVIRONMENT:  
EMERGING SUBSTANCES
- 15<sup>30</sup> BIOSURFACTANT SYNTHESIS IN THE OIL EATER RHODOCOCCUS  
ERYTHROPOLIS MK1 STRAIN
- 15<sup>45</sup> BREAK

### Poster presentations

- 14<sup>00</sup> Preparation of posters for the afternoon presentation and collection of  
manuscripts for the publication
- 15<sup>45</sup> Presentation of posters (No: 71--)
- 17<sup>00</sup>-17<sup>30</sup> Closing and collection of manuscript for the publication

### Poster presentations

1. IN VITRO MUTAGENICITY EVALUATION OF IRON OXIDES NANOPARTICLES  
BY THE BACTERIAL REVERSE MUTATION ASSAY
2. INFLUENCE OF SOIL PARTICLE SIZE DISTRIBUTION ON THE AVAILABILITY  
OF COPPER
3. ÚTBURKOLATOK ÖSSZGAMMA-SUGÁRZÁSÁNAK VIZSGÁLATA
4. „AGRIPPA” , AGRÁR-IPARI PARADIGMA, ALAP PROJEKT
5. BIOGÁZ
6. BIOGÁZ TECHNOLÓGIÁK KÖRNYEZETBARÁT ALKALMAZÁSI LEHETŐSÉGEI  
TÉRSÉGI SZEMLÉLETBEN

7. KÜLÖNBÖZŐ NPK KEZELÉSEK HATÁSA A CSEMEGEKUKORICA TERMÉSMINŐSÉGÉRE
8. MODEL BASED GROUNDWATER POLLUTION PREDICTION
9. ROMANIAN BOVINE COLOSTRUM – COMPOSITION IN SOME MINERALS
10. STUDENT’S HEALTH AND DIET HABITS IN FACULTY OF FOOD PRODUCTS TECHNOLOGY FROM TIMISOARA, ROMANIA
11. REMOVAL OF PHARMACEUTICALS FROM WASTEWATERES BY ELECTROOXIDATION
12. ASPECTS OF THE RADIOACTIVITY OF ENVIRONMENTAL FACTORS IN ROMANIA AND IASI COUNTY IN RECENT YEARS
13. GREENHOUSE GASES - EMISSIONS IN EASTERN ROMANIA AND LEGISLATION
14. A SZEGEDI KÖZLEKEDÉS OKOZTA KÖRNYEZETTERHELÉS HATÁSRENDSZERE
15. A VÁROSI KÖZLEKEDÉS ÉS A ZÖLD FELÜLETEK KAPCSOLAT RENDSZERE SZEGEDI TAPASZTALATOK ALAPJÁN
16. A VÁROSI BEÉPÍTETTSÉG HATÁSA A SZOLÁRIS RENDSZEREK MŰKÖDÉSÉRE: SZEGEDI VIZSGÁLATOK EREDMÉNYEI
17. PASSZÍV HÁZ PROBLEMATIKA
18. MULTI-ELEMENT CHARACTERIZATION OF ARCHAEOLOGICAL CERAMIC SHARDS FROM THE TASNAD-STRAND ARCHAEOLOGICAL SITE (SATU MARE COUNTY, ROMANIA)
19. ADVERSE EFFECT OF ENDOCRINE DISRUPTING CHEMICALS FROM THE ENVIRONMENT ON LIVING ORGANISMS
20. REACTIVE YELLOW 125 DEGRADATION USING TITANIUM DIOXIDE DOPED WITH Fe
21. CADMIUM LEVEL IN SOME TISSUES AND ORGANS FROM WILD BOAR
22. LEAD LEVELS IN SOIL-WATER-PLANT CHAIN FROM A FORESTY ECOSYSTEM
23. A FOSZINTETIKUSAN AKTÍV BESUGÁRZÁS ÉS A LEVELEK EZZEL ÖSSZEFÜGGŐ NÉHÁNY ÉLETTANI FOLYAMATÁNAK ALAKULÁSA TÁMRENDSZERES ÉTKEZÉSI PAPRIKA ÁLLOMÁNYBAN
24. KÜLÖNBÖZŐ KÁLIUMFORMÁK HATÁSA PAPRIKANÖVÉNYEK LEVELEINEK FOTOSZINTETIKUS AKTIVITÁSÁRA ÉS VÍZFOGYASZTÁSÁRA

25. A MEDVEHAGYMA (*ALLIUM URSINUM* L.) VEGETATÍV SZAPORÍTÁSI LEHETŐSÉGÉNEK VIZSGÁLATA
26. BIODEGRADATION OF UNCTUOUS WASTES OF FOOD INDUSTRY
27. SYNTHESIS AND CHARACTERIZATION OF Co(II) CARBOXYLATES RESULTED IN THE Co(NO<sub>3</sub>)<sub>2</sub>-1,3-PROPANEDIOL REACTION BY ACIDIC-BASIC ELEKTROMETRIC TITRIMETRY
28. SCREEN PRINTING WASTE WATER CHARACTERISATION
29. INVENTORY OF MEAT INDUSTRY POLLUTERS IN VOJVODINA REGION
30. ORGANIC PRODUCTION IN THE FUNCTION OF HEALTHY AND SAFE FOOD
31. SOME PHARMACEUTICALS IN WASTE WATER FROM MEAT INDUSTRY
32. SYNTHESIS AND LUMINESCENCE PROPERTIES OF SOME Ce<sup>3+</sup> DOPED SILICA SOLS
33. INFLUENCE OF SYNTHESIS PARAMETERS ON LUMINESCENCE EMISSION PROPERTIES OF SOME SOL-GEL DERIVED Eu<sup>3+</sup> DOPED WILLEMITE PHOSPHORS
34. 5-(4-PYRIDYL)DIPYRROMETHANEE-SILICA SOL SYNTHESIS AND LUMINESCENT PROPERTIES
35. PECULIARITIES OF THE METALLOGRAMS OF THE UROCONCREMENTS WITH URATES AND PHOSPHATES DETERMINED BY ATOMIC ABSORPTION SPECTROSCOPY
36. EFFECTS OF THE AD LIBITUM CONSUMPTION OF ETHANOL ON THE LIPID AND ELECTROLYTES METABOLISMS STUDIED ON AN ANIMAL MODEL
37. THE EFFECTS OF IRRIGATION REGIME AND NITROGEN RATES ON RAPESEED YIELD
38. THE EFFECT OF NITROGEN ON MAIN CHARACTERISTICS OF BIODIESEL OBTAINED FROM RAPESEED OIL
39. OIL EXTRACTION FROM *NANNOCHLOROPSIS OCULATA* MICROALGAE FOR BIODIESEL PRODUCTION
40. BIODEGRADATION STUDIES OF POLYLACTIC ACID COPOLYMERS UNDER CONTROLLED COMPOSTING CONDITIONS
41. SYNTHESIS, CHARACTERIZATION AND PHOTOCATALYTIC APPLICATION OF COPPER-MODIFIED ZEOLITE

42. PHOTOCATALYTIC DEGRADATION OF METHYLENE BLUE DYE FROM WATER USING UV IRRADIATION
43. ELECTROCHEMICAL BEHAVIOUR AND DETERMINATION OF ARSENIC(III) FROM WATER USING Ag-DOPED ZEOLITE-CARBON NANOTUBES COMPOSITE ELECTRODE
44. ELECTROCHEMICAL DEGRADATION AND DETERMINATION OF DRUG RESIDUES FROM WATER
45. REMOVAL OF TURBIDITY AND NATURAL ORGANIC MATTER FROM SURFACE WATER BY COAGULATION
46. ENVIRONMENTAL FRIENDLY ELECTROCHEMICAL DETERMINATION OF ASPIRIN FROM ALKALINE AQUEOUS SOLUTION
47. STUDIES ON COLUMN ADSORPTION OF ARSENIC(V) FROM A REAL WATER ON DEHPA-IMPREGNATED XAD-8 RESIN
48. USE OF IMPREGNATED RESINS AS ADSORBENTS IN VIEW OF HEAVY METALS REMOVAL FROM AQUEOUS SOLUTIONS
49. STUDIES REGARDING THE TURNING TO ACCOUNT OF THE WASTE RESULTING FROM COAL EXPLOITATION
50. STUDIES ON THE PURIFICATION OF WASTEWATERS WITH HIGH NICKEL ION CONTENT
51. REMOVAL OF ESCHERICHIA COLI FROM WATER BY SYSTEM BASED ON PHOSPHORUS-CONTAINING SYNTHETIC PREFORMED POLYMER
52. ADSORPTION OF PHENOLIC COMPOUNDS FROM WATER ON POLYMERIC ADSORBENTS WITH OLEFIN GROUPS
53. MASS-SPECTROMETRY USED IN CHARACTERIZATION OF PIGMENTS
54. THERMAL BEHAVIOUR OF THE COPOLYMERS BASED ON STYRYLPHOSPHONIC ACID
55. ELECTROCHEMICAL SYNTHESIS OF POLY-3-AMINOPHENYL BORONIC ACID IN SULFURIC ACID SOLUTION
56. SYNTHESIS AND CHARACTERIZATION OF A NEW METAL ORGANIC FRAMEWORK
57. UNSATURATED PHOSPHONIC ACID A NOVEL PRECURSOR TO FABRICATE METAL ORGANIC FRAMEWORKS
- 58. SAWDUST AS LOW-COST NATURAL ADSORBENT FOR REMOVAL OF Cu(II) IONS FROM AQUEOUS SOLUTIONS**

59. THE POTENTIAL HEALTH RISKS CAUSED BY DECADES OF HEAVY METAL POLLUTION IN RESITA CITY, CARAS-SEVERIN COUNTY, ROMANIA
60. SYNTHESIS OF TRIPODAL CYCLOTRIEVERATRYLENE (CTV) DERIVATIVES AS SCAFFOLDS FOR BINDING SUGARS
61. UREA FORMALDEHYDE COATED WITH SILICA (NANO) CAPSULES SYNTHESIS IN ULTRASONIC FIELD
62. HABITAT CHANGES OF A SALINE LAKE, SOUTH HUNGARY
63. DENDROLOGICAL INVESTIGATIONS ON PINUS SYLVESTRIS – CASE STUDY IN THE DANUBE-TISZA INTERFLUVE
64. SYNTHESIS OF ULTRAFINE GAHNITE ( $ZnAl_2O_4$ ) NANOCRYSTALS BY COPRECIPITATION METHOD
65. COAGULATION CHARACTERISTICS OF ELECTROCHEMICALLY PREPARED POLYALUMINIUM CHLORIDE ON HUMIC ACID REMOVAL FROM WATER
66. LEAD AND PESTICIDE REMOVAL BY CARBON BLOCK FILTER
67. FORMALDEHYDE IN SCREEN PRINTING INDOOR
68. CATALYTIC PROPERTIES OF CESIUM SALTS OF 12-MOLYBDOPHOSPHORIC ACID SUPPORTED ON SBA-15 MESOPOROUS SILICA
69. CONFORMATIONAL ANALYSIS OF PHOSPHORUS POLYMERS WITH FLAME RETARDANT PROPERTY
70. CONFORMATIONAL ANALYSIS OF BICYCLIC PHOSPHATE DERIVATIVES BY COMPUTATIONAL METHODS
71. ASPECTS OF TRANSFER HEAVY METALS IN RASPBERRY (*RUBUS IDAEUS*) GROWN IN THE GEOGRAPHIC AREA OF NADRAG (CARALIZ-SEVERIN)
72. MOBIL AND TOTAL FORMS OF SOME TRANSITIONAL METAL CATIONS IN FOOD CHAIN OF BLACK CURRANTS CULTIVATION AND PROCESSING
73. AN ASSESSMENT OF HEAVY METAL CONTAMINATION OF SOILS AND VEGETATION NEAR AN AGROTECHNICAL FARM FROM TIMIS AREA
74. DOES AN AROMATIC CHLORIDE SUBSTITUTE POSITION INFLUENCE THE AGGREGATION PROPERTIES OF DIRECT DYES?
75. COLOUR EXPRESSION IN THE CIELAB COLOUR SCALE OF NEW STILBENE DYES

76. PORPHYRIN BASED SYSTEMS FOR THE DETECTION OF RECOVERABLE METALS FROM Li-ION BATTERIES
77. ELECTROCHEMICAL ANALYSIS OF SOLID POLYMER ELECTROLYTE MEMBRANES USED IN LITHIUM-BASED BATTERIES. A LITERATURE SURVEY
78. POLYALUMINIUM CHLORIDE COAGULATION IN DRINKING WATER TREATMENT
79. HEAVY METALS IN PLANTS GROWN ON NEW FLY ASH DEPOSITS
- 80. ACCUMULATION OF HEAVY METALS IN NATIVE PLANTS GROWING ON A CONTAMINATED OCNA DE FIER SITE (ROMANIA)**
81. APPLICATION OF DIFFERENT PSEUDOMONAS AERUGINOSA STRAINS IN MEOR EXPERIMENTS
82. THE APPLICATION OF ZVI BASED IRON GALES IN REMEDIATION TECHNIQUES
83. ALGADISK- INTRODUCTION OF A STARTING FP7 PROJECT
84. ROLE OF BACTERIAL AUXIN-LIKE COMPOUNDS AND SIDEROPHORES IN THE ROOT DEVELOPMENT AND HEAVY METAL UPTAKE OF *SALIX VIMINALIS* IN THE PRESENCE OF LEAD AND CHROMIUM
85. ELECTROCHEMICAL DETECTION OF PENTACHLOROPHENOL FROM WATER AT CARBON NANOFIBERS-EPOXY COMPOSITE ELECTRODES
86. EXPERIMENTAL STUDY OF THE INTERACTION OF ONE LOCAL ANESTHETIC WITH A CELLULOSE TYPE SUPPORT
87. WOOD A RENEWABLE RESOURCE FOR PRODUCTION OF SUGAR AND BIOFUEL
88. APPLYING OF MULTIVARIATE ANALYSIS TO STUDY THE CORRELATION OF MERCURY AND OTHER TRACE ELEMENTS DISTRIBUTION IN SOIL FROM A CITY FROM NW ROMANIA
89. LEVELS OF POLYCYCLIC AROMATIC HYDROCARBONS IN MONITORING WELLS FROM MUNICIPAL LANDFILL DETERMINED BY SOLID-PHASE MICROEXTRACTION AND GAS CHROMATOGRAPHY/FLAME IONIZATION DETECTION
90. DIVERSITY OF BIRD POPULATIONS IN AGRICULTURAL ECOSYSTEMS OF THE SUBURBAN AREA OF TIMISOARA IN HIEMAL SEASON
91. REZALIM-ICIA'S METHOD FOR DETERMINATION OF PAHS FROM WATER SAMPLES

92. SOME CONSIDERATIONS CONCERNING THE MS ANALYSIS OF COMPLETELY PROTECTED THIOGLYCOSIDES WITH HETEROCYCLIC AGLICONE
93. A FÓLIA ALATTI TERMESZTÉSBŐL SZÁRMAZÓ FŰSZERPAPRIKA  
ŐRLEMÉNYEK FONTOSABB BELTARTALMI ÉRTÉKEINEK ALAKULÁSA
94. AZ UV SUGÁRZÁS HATÁSA A CSIPERKE GOMBA ÉS AZ AZT KÁROSÍTÓ  
PATOGENEK MICÉLIUM NÖVEKEDÉSÉRE
95. OLAJIPARI SZENNYVIZEK KEZELÉSE
96. PVC ÉS PET HULLADÉKOK KATALITIKUS LEBONTÁSÁNAK KÖVETÉSE  
TERMOANALITIKAI MÓDSZERREL
97. REPRODUCIBILITY AND ACCURACY PROBLEMS OF THE GAS-  
CROMATOGRAPHIC RESPONSE FACTORS FOR THE REACTION PRODUCTS  
RESULTING FROM THE CATALYTIC BIO-ETHANOL CONVERSION
98. UV-INDUCED PHOTOOXIDATION OF PHENYL UREA PESTICIDES –  
TOXICOLOGY ASPECTS
99. SAMPLE PRETREATMENT AND ANALYTICAL METHOD DEVELOPMENT FOR  
DETECTING STROBILURIN PESTICIDES IN AQUEOUS MATRICES
100. VACUUM-ULTRAVIOLET PHOTOLYSIS OF NON-STEROIDAL-  
INFLAMMATORY DRUGS
101. INFLUENCE OF PRECURSORS ON STRUCTURE AND MAGNETIC  
PROPERTIES OF  $\text{CuFe}_2\text{O}_4$  OBTAINED BY COPRECIPITATION
102. PHOTOSYNTETTICAL ACTIVITY ON SELECTED VEGETABLES
103. EVALUATION OF SOME PHYSIOLOGICAL PARAMETER OF *ALNUS*  
*GLUTINOSA* L. IN CONTAINER NURSERY PRODUCTION
104. SILICA AEROGELS SYNTHESIZED WITH BUTY-4-METHYLPYRIDINIUM  
TETRAFLUOROBORATE
105. LOGISTIC KINETIC MODEL FOR CHLORINATED POLY AROMATIC  
HYDROCARBONS (CIPAHs) ACTIVITY IN CANCER SIGNALING
106. ENVIRONMENTAL PROTECTION MANAGEMENT BY MONITORING THE  
SURFACE WATER QUALITY IN SEMENIC AREA
107. REMOVAL OF HUMIC ACID FROM WATER BY SORPTION
108. SOIL POLLUTION ASSESSMENT IN THE BAIJA MARE AREA AFTER  
PARTIAL CLOSURE OF ORE PROCESSING ACTIVITIES