



ACADEMIA ROMÂNĂ

INVITAȚIE-PROGRAM

BUCUREȘTI
15 februarie 2013

ACADEMIA ROMÂNĂ
Secția de Științe Chimice
Comisia de Analiză Termică și Calorimetrie

Vă invită să participați la

LUCRĂRILE CELUI DE AL 22-LEA SIMPOZION
ANUAL DE COMUNICĂRI ȘTIINȚIFICE

care va avea loc vineri, 15 februarie 2013, ora 8³⁰,
în Amfiteatrul *Heliade Rădulescu* al Bibliotecii
Academiei Române, Calea Victoriei nr.125
(intrarea și prin B-dul Dacia)

Domnului / Doamnei _____

Program:

February 15, 2013, 8³⁰ h

Acad.prof. MARIUS ANDRUH
President of the Section of Chemistry Sciences of Romanian Academy
Opening address

NICOLAE DOCA
West University of Timisoara, Research Center for Thermal Analysis in
Environmental Problems, Timisoara
Topical trends in Thermal and Calorimetry. Report on the ICTAC Congress, Osaka

TITUS VLASE, GABRIELA VLASE, NICOLAE DOCA
West University of Timisoara, Research Center for Thermal Analysis in
Environmental Problems, Timisoara
The Non Parametric Kinetic (NPK) method. Possibilities and limits

GABRIEL MUNTEANU
„Ilie Murgulescu” Institute of Physical Chemistry of the Romanian Academy, Bucharest
Evaluation of TPR kinetic parameters by simulating the reduction processes

E.M. ANGHEL, V.T. POPA, M. CONSTANTINESCU,
M. ANASTASESCU, I. ATKINSON
„Ilie Murgulescu” Institute of Physical Chemistry of the Romanian Academy, Bucharest
Kinetic study of a PEG-epoxy blend as a latent heat storage material

MIHAELA BADEA¹, EUGEN SEGAL¹, PETRU BUDRUGEAC²
¹Faculty of Chemistry, University of Bucharest
²INCIE ICPE – CA, Bucharest
*Non-isothermal kinetics of [MPy₂]Cl₂ (M=Cd, Cu, Mn; Py = pyridine)
thermal decomposition*

V.Z. SASCA, LIVIA AVRAM, ORSINA VERDES, A. POPA
¹Institute of Chemistry Timisoara of Romanian Academy
*Thermal decomposition of tungstophosphoric acid and some
of its cesium salts containing Pd*

MIRCEA NICULESCU, RALUCA DUMITRU,
MARIUS MILEA, MIHAIL BÎRZESCU

University "Politehnica" of Timisoara, Faculty for Industrial Chemistry
and Environmental Engineering, Timisoara

*Al(III)-M(II) heteropolynuclear coordination compounds (M: Co, Ni)
containing glyoxylate and oxalate as bridging ligands as precursors
for mixed oxides of spinel type, MA_2O_4*

11⁰⁰-11³⁰

Coffee break

OANA CARP¹, ALINA TARSOAGA², BOGDAN JURCA²

¹ „Ilie Murgulescu” Institute of Physical Chemistry of the Romanian Academy, Bucharest

² Faculty of Chemistry, University of Bucharest

*The influence of the synthesis parameters on the thermal
behaviour of ZnO-starch composites*

ALEXANDRU MILEA, OANA GINGU,
PETRE ROTARU, SPERANȚA TANASESCU

„Ilie Murgulescu” Institute of Physical Chemistry of the Romanian Academy, Bucharest

*Thermodynamic data of the Ag-Cu nanoalloys processed
by mechanical alloying route*

DANIELA GHEORGHE¹, ANA NEACSU¹, IULIA CONTINEANU¹,
SPERANȚA TANASESCU¹, STEFAN PERISANU

¹ „Ilie Murgulescu” Institute of Physical Chemistry of the Romanian Academy, Bucharest

² University "Politehnica" of Bucharest

The calorimetric study of L-, D- and DL-isomers of serine

ROMICA SANDU¹, CRISTINA TABLET², MIHAELA HILLEBRAND²

¹ „Ilie Murgulescu” Institute of Physical Chemistry of the Romanian Academy, Bucharest

² Faculty of Chemistry, University of Bucharest

*Interaction of 7-diethylaminocoumarin-3-carboxylic acid with serum albumins:
isothermal titration calorimetry and steady-state fluorescence spectroscopy*

LUCIA ODOCHIAN, C. MOLDOVEANU, DAN MAFTEI

„Al. I. Cuza” University, Iasi, Faculty of Chemistry

Contributions to the thermal degradation mechanism under nitrogen and air atmosphere of PTFE by TG-FTIR analysis. Influence of the particle size

ANDREI CUCOS, PETRU BUDRUGEAC

INCDIE ICPE – CA, Bucharest

TGA-FTIR characterization of collagen in inert and oxidative atmospheres

ADINA MAGDALENA MUSUC¹, MIHAELA BADEA-DONI²,

LUIZA JECU², V.T. POPA¹

¹ „Ilie Murgulescu” Institute of Physical Chemistry of the Romanian Academy, Bucharest

² National Research & Development Institute for Chemistry & Petrochemistry – ICECHIM, Bucharest

MicroDSC analysis of low density polyethylene biodegradability

VIORICA MUŞAT¹, GHEORGHE GURĂU¹, ELENA VALCU¹,

BOGDAN JURCA², EUGEN SEGAL²

¹ Departments of Metals and Materials Science, “Dunărea de Jos” University of Galati

² Faculty of Chemistry, University of Bucharest

Investigation of thermal behaviour of materials using modulated thermogravimetry and modulated differential scanning calorimetry techniques

CRISTINA CARȘOTE¹, PETRU BUDRUGEAC², ELENA BADEA^{3,4},

IRINA PETROVICIU¹, LUCREȚIA MIU⁵, GIUSEPPE DELLA GATTA⁶

¹ National Museum of Romanian History, Centre of Research and Scientific Investigation, Bucharest

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³ National R&D Institute for Textile and Leather, ICPI Division, Bucharest

⁴ Department of Chemistry, Faculty of Sciences, University of Craiova

⁵ National R&D Institute for Textile and Leather, Bucharest

⁶ Department of Chemistry, University of Turin, Italy

*Comparison between artificially and naturally aged leathers.
A MHT and DSC study*