

PROGRAM:

February 12, 2009, 8³⁰ h

President of the Section of Chemistry Sciences

Opening adress

Dr. PETRU BUDRUGEAC

Mondial research on thermal analysis and calorimetry

Oral presentation

**1. DORINA CHAMBRE^{*}, CORNELIA IDIȚOIU^{*},
CRIȘAN POPESCU^{***}, EUGEN SEGAL^{***}**

^{*}Chemical & Technological Research Center, Food Engineering, Tourism and Environmental Protection Faculty, „Aurel Vlaicu” University of Arad

^{**}DWI e.V. and Institute of Technical and Macromolecular Chemistry, RWTH Aachen University, Germany

^{***}University of Bucharest, Faculty of Chemistry, Bucharest

Dehydration kinetics of acrylic cationites using TG methods

2. CRIȘAN POPESCU^{}**

^{*}Chemical & Technological Research Center, Food Engineering, Tourism and Environmental Protection Faculty, „Aurel Vlaicu” University of Arad

^{**}DWI e.V. and Institute of Technical and Macromolecular Chemistry, RWTH Aachen University, Germany

Non-isothermal kinetics of thermal denaturation of keratin

3. I. CONTINEANU^{*}, M. CONTINEANU^{},
A. NEACȘU^{*}, V.T. POPA^{*}**

^{*}Institute of Physical Chemistry, „I.G. Murgulescu”, Bucharest

^{**}University of Bucharest, Faculty of Chemistry, Bucharest

Nonsothermal dehydration kinetics of creatine monohydrate

**4. A. MOGOȘ^{*}, T. VLASE^{*}, GABRIELA VLASE^{*}, N. DOCA^{*},
SMARANDA ILIESCU^{**}, G. ILIA^{**}, MIRELA PERTA^{*}**

^{*}West University of Timișoara, Research Center for Thermal Analysis in Environmental Problems, Timișoara

^{**}Institute of Chemistry Timișoara

Thermal behavoir of phosphorus-chain polymers

5. BOGDAN JURCĂ*, VIORICA MUŞAT**,
EUGEN SEGAL*, MONICA MAZILU**

* University of Bucharest, Faculty of Chemistry, Bucharest

** Department of Metals and Material Science, „Dunărea de Jos” University of Galați

*Non-isothermal kinetic investigation on the decomposition of some
sol-gel precursors for ZnO-SiO₂ nanocomposite films*

6. A. ROTARU*, M. GOŞA**, P. ROTARU****, C. NEAGA*****

* INFLPR - National Institute for Laser, Plasma and Radiation Physics,
Magurele, Bucharest

** University of Craiova, Faculty of Chemistry, Craiova

*** KineTAX, Craiova

**** University of Craiova, Faculty of Physics, Craiova

***** University „Politehnica” Bucharest, Faculty of Mechanical
Engineering and Mechatronics, Bucharest

*Thermal behavior of solid combustibles in air and inert atmosphere;
kinetic study by means of TKS-SP software*

7. A. ROTARU*, EUGEN SEGAL**

* INFLPR - National Institute for Laser, Plasma and Radiation Physics,
Magurele, Bucharest

** University of Bucharest, Faculty of Chemistry, Bucharest

*Kinetic parameter of heterogeneous processes – various systems,
different meanings*

8. WIM DE KLERK

TNO Defence, Security and Safety, Rijswijk, The Netherlands

*Microcalorimetry from history to application to the field
of energetic materials*

9. BOGDAN JURCĂ*, CARMEN PARASCHIV**,
ADELINA IANCULESCU****, OANA CARP*****

* University of Bucharest, Faculty of Chemistry, Bucharest

** INC DIE ICPE-CA, Bucharest

*** University „Politehnica” Bucharest

**** Institute of Physical Chemistry „I.G. Murgulescu”, Bucharest

Synthesis of nanosized bismuth ferrite (BiFeO₃) by combustion method

The speech of the SARTOROM representative-physicist Cristina Nascu

11-11³⁰
Coffe break

The speech of the ANKERSMIT representative-engineer Ana Terfeleac

10. LUMINIȚA PREDOANĂ^{*}, BARBARA MALIC^{},
MARIĂ ZAHARESCU^{*}**

^{*} Institute of Physical Chemistry, Bucharest

^{**} Joseph Stefan Institute, Liubliana, Slovenia

Influence of acetate-precursors on LaCoO₃ formation by water based sol-gel method

**11. OANA ȘTEFĂNESCU^{*}, CORNELIU DAVIDESCU^{*},
TITUS VLASE^{**}, MIRCEA ȘTEFĂNESCU^{*}**

^{*} Faculty of Industrial Chemistry and Environmental Engineering,
University „Politehnica” of Timișoara

^{**} West University of Timisoara, Research Center „Thermal Analysis in
Environmental Field, Timișoara

Obtaining and thermal stability of γ -Fe₂O₃ nanoparticles in SiO₂ matrix

**12. MARCELA STOIA, THEMAS DIPPONG,
MIRCEA ȘTEFĂNESCU**

Faculty of Industrial Chemistry and Environmental Engineering,
University „Politehnica” of Timișoara

*Thermal and XRD study on the formation of CoFe₂O₄
În silica matrix by a modified sol-gel method*

13. BOGDAN JURCA^{*}, DIANA VIȘINESCU^{},
ADELINA IANCULESCU^{***}, OANA CARP^{***}**

^{*} Bucharest University, Faculty of Chemistry, Bucharest

^{**} Institute of Physical Chemistry, Bucharest

^{***} University „Politehnica” Bucharest

Thermal analysis of some precursors for ZnAl₂O₄ synthesis

14. V.Z. SASCA, ORSINA VERDEȘ, LIVIA AVRAM, A. POPA

Chemistry Institute of the Romanian Academy, Timișoara

*Thermal Behavior of the 12- Tungstophosphoric Acid
and Some of its Cesium Salts and Non-isothermal
Kinetic Study of the Constitutional Water Loss*

15. V.Z. SASCA, ORSINA VERDEȘ, LIVIA AVRAM, A. POPA
Chemistry Institute of the Romanian Academy, Timișoara
*The Bronsted Acidity of the Tungstophosphoric Acid
and Some of its Cesium Salts Measurements Based
on TG-DTG Curves of n-Butylamine Desorption*

**16. SPERANȚA TĂNĂSESCU*, CORNELIA MARINESCU*,
ANCUȚA SOFRONIA*, ADELINA IANCULESCU**,
LILIANA MITOȘERIU*****

* Institute of Physical Chemistry „I.G. Murgulescu”, Bucharest

** University „Politehnica” Bucharest

*** Department of Solid State and Theoretical Physics, „Al.I.Cuza” University, Iași
*Effects of composition and particle size on the thermodynamic data:
Application to multi-ferroic materials and phase diagrams investigation*

**17. IULIA CONTINEANU*, ANA NEACȘU*,
SPERANȚA TĂNĂSESCU*, ȘTEFAN PERIȘANU****

* Institute of Physical Chemistry „I.G. Murgulescu”, Bucharest

** University „Politehnica” Bucharest

The calorimetric study of carnosine and L-alanyl-glycine

18. MARIANA CRISTEA

„Petru Poni” Institute of Macromolecular Chemistry, Iași
*Dinamic mechanical analysis – a convenient tool
for deep investigation of polymers*

19. PETRU BUDRUGEAC*, ANA EMANDI**

* INCIE ICPE-CA Bucharest

** University of Bucharest, Faculty of Chemistry, Bucharest

*The use of thermal analysis methods for damage assessment
and certification of historical and/or cultural objects
manufactured from lime-tree wood*

20. ERWIN KAISERSBERGER, MARKUS MEYER

*Unlimited flexibility in thermal analysis applications
with a completely new TA and TPP product line*