

² Shota Rustaveli University

8. CHARACTERIZATION OF MICROELEMENTS CONTAINED IN GEORGIAN OILS AND BITUMENS
T. Gabunia,
K. Goderdzishvili, N. Khetsuriani

9. INVESTIGATION OF GEORGIAN CRUDE OIL DEPOSITS

G. Tsitsishvili, V. Tsitsishvili, N. Khetsuriani

10. IMPROVEMENT OF MOTOR CAR ECOLOGICAL COMPATIBILITY BY USE OF NEW TYPE OF FRICTION MODIFIER

J. Iosebidge, D. Aladashvili, G. Abramishvili, L. Zurabishvili,
A. Chkheidze, T. Apakidze, M. Khvedelidze, GTU

11. DEVELOPMENT OF TECHNOLOGICAL PROCESS SCHEME FOR THE PURIFICATION OF OIL REFINERY ENTERPRISE WASTEWATER

L. Gverdtiteli, T. Sharashidze, I. Bazgadze, J. Gugeshidze,
O. Margvelashvili,

Georgian Technical University

12. CHROMATOGRAPHIC ANALYSIS FOR OIL LIGHT FRACTIONS USING PERLITIC AND DIATOMITIC SOLID LINING

K. Khachaturian, L. Makharadze, M. Brokishvili

TSU/Alexander Tvalchrelidze Caucasus Institute of Mineral Recourses

13. THE FACILITIES OBTAINED ON BASIS OF LOCAL RAW MATERIALS FOR CLEANING OIL-CONTAMINATED OBJECTS USING SORBENTS

L. Makharadze, K. Khachaturian, M. Brokishvili

TSU/Alexander Tvalchrelidze Caucasus Institute of Mineral Recourses

14. ROLE OF OILDESTRUCTOR MICROORGANISMS IN DEGRADATION OF NATURAL ORGANIC COMPOUNDS IN THE BLACK SEA WATERS

N. Buachidze, M. Mchedlishvili, Kh. Chikviladze,

L. Intskirveli, G. Kuchava, L. Shavliashvili. Georgian Technical University, Institute of Hydrometeorology

15. POSITIVE EFFECT OF NATURAL ANALCIME ON SOIL POLLUTED BY REMAINS OF OIL PRODUCTS

V. Tsitsishvili, N. Dolaberidze, M. Alelishvili, M. Nijaradze,
N. Mirdzveli

16. STUDY OF POSSIBILITY OF IMPROVEMENT OF GAS DIESELS ECOLOGICAL COMPATIBILITY BY PROCESSING OF MATHEMATICAL MODEL OF THEIR WORKING CYCLE

J. Iosebidge, O. Gelashvili, D. Aladashvili, G. Abramishvili,
L. Zurabishvili, R. Tedoradze, N. Disamidze, GTU

17. NEW INSECTO-ACARICIDAL PREPARATION AGAINST GRAPE PESTS

O. Lomtadze, L. Tskhvedadze, A. Dolidze, N. Lomtadze

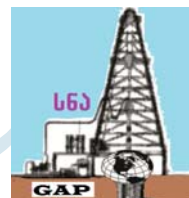
18. DEVELOPMENT OF ECOLOGICALLY ACCEPTABLE AGRICULTURAL PREPARATIONS ON THE BASIS OF BIOLOGICAL PRINCIPLES

I. Mikadze, N. Kavtaradze, L. Dolidze, T. Dgebuadze,
K. Kochiashvili, A. Dolidze

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INTERNATIONAL PETROCHEMICAL CONFERENCE

*Dedicated to the 100th anniversary of
birth of academician
LEONID MELIKADZE,
one of the founders of petrochemical
Science in Georgia*



Tbilisi
1-2 October, 2012

PROGRAM

NOVEMBER 1, 2012

Georgian National Academy of Sciences
Beginning at 12.00 am

OPENING SPEECH

President of the Georgian National Academy of Sciences,
Member of the Georgian Academy of Sciences
Tamaz Gamkrelidze

LIFE AND WORK OF LEONID MELIKADZE

Corresponding member of Georgian National Academy
of Sciences **Vladimer Tsitsishvili**

A SHORT SURVEY OF SCIENTIFIC AND PUBLIC ACTIVITIES OF LEONID MELIKADZE

Head of Laboratory of Oil Chemistry, Ph.D.
Natela Khetsuriani

MEMORIALS

APPLICATION OF THE NIST/NIH/EPA MASS SPECTRAL LI- BRARY TO PETROCHEMISTRY

National Institute of Standards and Technology USA,
Ph.D. **Mikaia Anzor**

SELECTION OF THE ACTIVE STRAINS-DESTRUCTORS OF PETROPOLLUTION OF THE ABSHERON PENINSULA

Academic-secretary of the ANAS, Director of the
A. Kuliev Institute of Chemistry of Additives, Member of
the ANAS, **Vagif Farzaliev**

NOVEMBER 2

P.Melikishvili Institute of Physical and Organic Chemistry
Beginning at 10.00 am
Oral reports - SECTION I

Themes:

1. Rational use of natural resources
2. Energy-saving technologies Alternative sources of energy
3. Advanced polymeric materials

1. PERSPECTIVES OF DEVELOPMENT OF OIL INDUSTRY IN GEORGIA

N. Khetsuriani, Z. Molodinashvili, G. Shavgulidze Petre
Melikishvili Institute of Physical and Organic
Chemistry/Georgian Association of Petrochemists

2. RATIONAL APPLICATION OF GEORGIAN OILS BY MEANS OF TECHNOLOGICAL CLASSIFICATION

G. Khitiri.

3. NON-METALLIC OCTANREGULATED ADDITIVES OF PETRO- LEUM FUELS

**N. Nonikashvili, N. Tserodze, I. Mikadze, M. Stephanishvili,
M. Japaridze., T. Uchaneishvili, A. Dolidze.**

4. ADDITIVES THAT IMPORTE OF OPERATIONAL PROPERTIES OF DIESEL FUELS

M.M.Movsumzade, N.A.Aliev, I.M.Eyvazova A.M. Kuliye
Institute of Chemistry of Additives, ANAS, Baku, Azerbaijan

5. INVESTIGATION OF DESORPTION PROCESS OF POROUS POLIMERS SATURATED WITH CRUDE OIL

**N. Gelashvili, Z. Molodinashvili, N. Dokhturishvili,
N. Maisuradze, K. Papava, V. Sherozia**

6. "HETEROGENIZED" DITIOSYSTEMS - CATALYSTS FOR THE POLIMERIZATION OF BUTADIENES

**R.Rafieva, F.A.Nasirov, G.N.Gasanova, E.I.Markova,
N.F.Dzhanibekov. Yu.**

G.Mamedaliev Institute of Petrochemical Processes

7. DEVELOPMENT OF NANO-BENTONIT ON THE BASIS OF AZERBAIJAN NATURAL RESOURCES

E Shaxbazov, F. Veliyev

SOCAR, the Department of Nanotechnology, Baku, Azerbai-
jan

8. STUDY OF RHEOLOGY OF NANO-BENTONIT SUSPENSIONS

E. Shaxbazov, Gadzhiev, Gadzhiev, H. Huseynli SOCAR, the
Department of Nanotechnology, Baku, Azerbaijan

9. STUDY OF THE PROCESS OF SWELLING OF NANO-BENTON- ITE SYSTEMS

E. Shaxbazov, M. Hajiyev, F. Veliyev

SOCAR, the Department of Nanotechnology, Baku, Azerbai-
jan

10. STUDY OF ACTIVE CENTERS OF DECATIONATED ZEOLITES IN OXIDATIVE TRANSFORMATION OF METHANOL

**G. Tsitsiskaladze, V. Tsitsishvili, M. Burdjanadze,
T. Kordzakhia, T. Sharashenidze.**

11. PRECIPITATION OF ASPHALTO-RESINOUS COMPOUNDS OF THE WASTE ENGINE OIL WITH THE HELP OF CHEMICAL REAGENTS

N. Mamulaishvili, T. Mamedova, T. Khitarishvili, GTU

SECTION II

Themes:

1. Oil production, refining and petrochemistry
2. Environmental problems associated with pollution by petroleum and petroleum products and ways of their resolving
3. Practical assets used in agriculture.

1. NAPHTHENE-PARAFFIN AND NAPHTHENE-AROMATIC HYDROCARBONS CONTACTING-CATALYTIC TRANSFOR- MATION

T. Shakarashvili, M. Andguladze, N. Kuciava, G. Zodelava.
Georgian Technical University

2. NITROGEN-CONTAINING DITHIOPHOSPHATE METALS- ADDITIVES FOR MOTOR OILS

**E. Markova, N. Dzhanibekov, M. Mamedov, S. Rafieva.
Yu.G. Mamedaliev**

Institute of Petrochemical Processes of ANAS

3. AROMATIC STRUCTURES OF HYDROCARBON COM- POUNDS OF HIGH BOILING PART OF PETROLEUM

**E.Usharauli, L.Kortava, E.Topuria, I.Mchedlishvili,
M.Chkhaidze.**

4. INVESTIGATION OF NAPHTENE HYDROCARBONS OF GEORGIAN OILS

E.N.Topuria, N.T.Khetsuriani, Z.Gonglishvili.

5. SEPARATION OF AROMATIC HYDROCARBONS AND SUL- FUR-ORGANIC COMPOUNDS FROM MIDDLE AND HIGH- BOILING FRACTIONS OF PETROLEUM

V. Tsitsishvili, E. Lekveishvili, N. Khetsuriani

6. AROMATIC FRAGMENTS OF TAR-ASPHALTENE COM- POUNDS OF PETROLEUM AND NATURAL BITUMEN

**E.Usharauli, L.Kortava, I.Mchedlishvili, K. Goderdzishvili,
T.Shatakishvili**

7. FACTORS AFFECTING FORMATION OF ASPHALT-RESIN PARAFFIN DEPOSITS OF SUPSA WELL AND WAYS OF THEIR ELIMINATION

I. Goguadze¹, T. Hitarishvili¹, N. Mamulaishvili².

¹ Georgian Technical University;