

ORGANIZED BY

Siberian Branch of Russian Academy of Sciences

**Novosibirsk N.N. Vorozhtsov Institute of Organic
Chemistry of SB RAS**

State Research Center of Russia "NIOPIK"

Novosibirsk State University

SPONSORED BY

- ♦ **RFBR**
- ♦ **Bruker GmbH**
- ♦ **GalaChem**
- ♦ **LaaX Ltd.**
- ♦ **Institute of Antioxidant Chemistry of Novosibirsk
State Pedagogical University**
- ♦ **Scientific Industrial Association "P&M-Invest"**
- ♦ **SiNaM**

The organizers express their gratitude for the support of the Conference

ORGANIZING COMMITTEE

Chairmen

Prof. I.A. Grogor'ev (Novosibirsk, NIOCH SB RAS – NSU)

Prof. G.N. Vorozhtsov (Moscow, NIOPIK)

Vice-chairman

Prof. A.Ya. Tikhonov (Novosibirsk, NIOCH SB RAS – NSU)

Conference Secretary

Prof. L.S. Kobrina (Novosibirsk, NIOCH SB RAS)

Organizing committee

Prof. V.A. Reznikov (Novosibirsk, NIOCH SB RAS – NSU)

Prof. T.D. Petrova (Novosibirsk, NIOCH SB RAS)

Dr. D.G. Mazhukin (Novosibirsk, NIOCH SB RAS – NSU)

Dr. V.I. Mamatyuk (Novosibirsk, NIOCH SB RAS)

Dr. M.M. Mitasov (Novosibirsk, NIOCH SB RAS)

Dr. S.V. Morozov (Novosibirsk, NIOCH SB RAS)

Dr. K.P. Volcho (Novosibirsk, NIOCH SB RAS)

Dr. N.A. Orlova (Novosibirsk, NIOCH SB RAS)

L.K. Kozachok (Novosibirsk, NIOCH SB RAS)

I.L. Anisimova (Novosibirsk, NIOCH SB RAS)

D.A. Morozov (Novosibirsk, NIOCH SB RAS – NSU)

PROGRAM COMMITTEE

Prof. A.Ya. Tikhonov (Novosibirsk, NIOCH SB RAS – NSU)

Prof. V.M. Vlasov (Novosibirsk, NIOCH SB RAS)

Prof. V.E. Platonov (Novosibirsk, NIOCH SB RAS)

Prof. V.A. Reznikov (Novosibirsk, NIOCH SB RAS – NSU)

Prof. A.V. Tkachev (Novosibirsk, NIOCH SB RAS – NSU)

Prof. O.P. Shkurko (Novosibirsk, NIOCH SB RAS – NSU)

Prof. V.D. Shteingarts (Novosibirsk, NIOCH SB RAS – NSU)

Prof. V.G. Shubin (Novosibirsk, NIOCH SB RAS)

Prof. E.E. Shults (Novosibirsk, NIOCH SB RAS)



NOVOSIBIRSK, the third largest city of Russia, is situated in the heart of Russia, in Siberia. The history of Novosibirsk has begun in 1893 when the first railway bridge through river Ob was built up, and it officially became a town in 1903. Until 1925, Novosibirsk was called Novonikolayevsk, after the Tzar Nicholas II of Russia. At present, Novosibirsk is an industrial, cultural and educational centre of Russia. Manufacturing includes mining equipment, turbines, textiles, chemicals, heavy machine tools, metallurgy. It is the home of one of Russia's best universities, a number of research institutions and a scientific research centre. Novosibirsk prides with opera and ballet companies, several theatres, museums, and art galleries, and numerous sports facilities. Novosibirsk is the third city in Russia (after Moscow and St. Petersburg) in which a subway system was established (The Novosibirsk Metro, opened in 1985). South of central part of the city (about 30 km) is Akademgorodok – Novosibirsk Research Center, the main unit of Siberian Branch of Russian Academy of Science. It is built on the shore of the Ob Sea, a man-made reservoir on the river Ob, and surrounded with a majestic birch and pine forest. There are Novosibirsk State University, 35 research institutions, Agricultural Academy, Medical Academy, apartment houses and cottages, and a variety of community amenities including stores, hotels, hospitals, restaurants and cafés, cinemas, clubs and libraries located within Akademgorodok.

To learn more about Novosibirsk use these links:

<http://www.telescopes.ru/novosibirsk.phtml>

<http://www.alliberia.com/novosibirsk>



Academician Nikolay Nikolayevich Vorozhtsov (06.06.1907 - 24.05.1979) - an outstanding chemistry researcher, the organizer of science and education, the public figure. He was the director of the Scientific Research Institute of Organic Basic Products and Dyes (NIOPIK) in Moscow, an active participant of the creation of the Siberian Branch of the USSR Academy of Sciences and a member of its Presidium. He was the organizer and the first director of Novosibirsk Institute of Organic Chemistry.

The main line of N.N. Vorozhtsov's scientific activity was the chemistry and technology of aromatic compounds. He developed the fundamental domains of arene chemistry, such as nucleophilic substitution and isomerisation processes, processing of aromatic raw materials and synthesis of functionalized arenes. His studies in the field of fluoroorganic compounds, in particular of fluoroarenes, received world recognition. Besides the basic scientific directions of the Institute, he initiated investigations of heterocyclic and natural compounds, photochemistry and molecular biology.

N.N. Vorozhtsov was a remarkable scientific tutor and a lecturer. Academicians D.G. Knorre and V.A. Koptuyug, corresponding member of the Academy of Science V.P. Mamaev, many professors and PhDs were the students of N.N. Vorozhtsov. During the long time he headed the chair of organic dyes and basic products in Moscow D.I. Mendeleev Institute of Chemical Technology. He organized the organic chemistry chair at Novosibirsk State University.

N.N. Vorozhtsov - the USSR State Prize Winner in Science and Technology. Due to his versatile talent and fruitful activity, N.N. Vorozhtsov was decorated with an orders of Lenin, October Revolution, the Labor Red Banner and many medals.

Scientific Program

Tuesday, June 5

9.00-18.00 Registration. Hotel "Golden Valley"

Wednesday, June 6

9.00-9.30 Registration. House of Scientists

9.30-11.00 Opening ceremony. Memoirs on academician N.N. Vorozhtsov (D.G. Knorre and V.N. Lisitsyn) Slide show

11.00 PL-01 SCIENTIFIC HERITAGE OF ACADEMICIAN N.N. VOROZHTSOV AT PRESENT STAGE OF SCIENTIFIC DEVELOPMENT IN NOVOSIBIRSK INSTITUTE OF ORGANIC CHEMISTRY, SIBERIAN DIVISION, RAS
I.A. Grigor'ev (Novosibirsk, Russia)

11.30-11.50 *Coffee break*

11.50-13.00 SESSION I
Chairman: A. Haas, Co-chairman: V.B. Shur

11.50 PL-02 FLUOROAROMATIC CHEMISTRY AND MICROREACTORS
R. Chambers (Great Britain)

12.25 PL-03 FLUORINE-CONTAINING HETEROCYCLES: SYNTHESIS, STRUCTURAL FEATURES, PROPERTIES
V.N. Charushin, V.I. Saloutin (Ekaterinburg, Russia)

13.00-15.00 *Lunch break*

15.00-19.00 SESSION II
Chairman: J. Grobe, Co-chairman: Yu.N. Bubnov

15.00 PL-04 NEW FLUOROALKYLATION METHODS
G.K.S. Prakash (USA)

15.35 PL-05 VINYL FLUORIDES IN SYNTHESIS
G. Haufe (Germany)

16.10 PL-06 PERFLUORINATED MERCURY ANTICROWNS. COMPLEXING PROPERTIES AND APPLICATIONS IN ORGANIC SYNTHESIS AND CATALYSIS
V.B. Shur, I.A. Tikhonova, K.I. Tugashov (Moscow, Russia.)

16.45-17.00 *Coffee break*

17.00 O-01 FLUOROCONTAINING 2,4-DIOXO ACIDS IN AZAHETEROCYCLES SYNTHESIS

V.I. Saloutin, Ya.V. Burgart, O.N. Chupakhin (Ekaterinburg, Russia)

17.20 O-02 FAST "ENOL-ENOL" TAUTOMERISM OF FLUORINATED 1,3-DICARBONYL AND 1,3,5-TRICARBONYL COMPOUNDS

M.I. Kodess, D.L. Chizhov, I.I. Bilkis, K.I. Pashkevich, G.-V. Rösenthaller, **D.V. Sevenard** (Germany, Israel, Russia)

17.40 O-03 FLUORINATED AROMATIC OXYGEN BORON COMPOUNDS: SYNTHESIS AND PROPERTIES

N.Yu. Adonin, V.V. Bardin, H.-J. Frohn (Russia, Germany)

18.00-19.00 POSTER SESSION I (P-01 – P-78)

19.00 *Tea party. House of Scientists*

Thursday, June 7

9.00-13.35 SESSION III

Chairman: E.P. Kemertelidze, Co-chairman: O.N. Chupakhin

9.00 PL-07 CHEMISTRY AND BIOLOGY OF ANTIBACTERIAL GLYCOPEPTIDE ANTIBIOTICS

M.N. Preobrazhenskaya (Moscow, Russia)

9.35 PL-08 THE SYNTHETIC TRANSFORMATIONS OF HIGHER TERPENOIDS AND ALKALOIDS AS A SCIENCE BASE FOR THE DEVELOPMENT OF MEDICINAL PREPARATIONS

G.A. Tolstikov (Novosibirsk, Russia)

10.10 PL-09 PHYTOECDYSTEROIDS *SERRATULA CORONATA*: ISOLATIONS, IDENTIFICATION, TRANSFORMATIONS.

V.N. Odinkov (Ufa, Russia)

10.45 O-04 PERSPECTIVE DIRECTIONS OF DEVELOPMENT OF PHENOLIC ANTIOXIDANTS CHEMISTRY

A.E. Prosenko (Novosibirsk, Russia)

11.05-11.25 *Coffee break*

11.25 PL-10 ATTEMPTED SYNTHESIS OF 16,16,16,17,17,17-HEXAFLUORO-RETINAL VIA 7,7,7,8,8,8-HEXAFLUORO- β -CYCLOCITRAL

A. Haas (Germany)

12.00 PL-11 THE CHEMISTRY OF PHTHALOCYANINES AS THE BASE OF FUNCTIONAL MATERIALS DEVELOPMENT

G.N. Vorozhtsov, O.L. Kaliya, E.A. Lukyanets (Moscow, Russia)

- 12.35 O-05 REDUCED DERIVATIVES OF TETRAAZAPORPHINES AS NOVEL CLASS OF TETRAPYRROLIC MACROCYCLES**
E.A. Makarova, S.V. Dudkin, E.A. Lukyanets (Moscow, Russia)
- 12.55 O-06 OXIDATIVE TRANSFORMATIONS IN THE SYNTHESIS OF BIOLOGICALLY ACTIVE COMPOUNDS**
O.S. Kukovinets, N.N. Kabal'nova, V.G. Kasradze, T.I. Zvereva, E.V. Salimova, M.I. Abdullin, F.Z. Galin (Ufa, Russia)
- 13.15 O-07 DESIGN AND SYNTHESIS OF NANOMOLECULAR MACHINES FOR SELECTIVE DELIVERY OF DRUGS**
V.N. Silnikov (Novosibirsk, Russia)
- 13.35-15.00** *Lunch break*
- 15.00-19.00** **SESSION IV**
Chairman: R. Chambers, Co-chairman: M.N. Preobrazhenskaya
- 15.00 PL-12 BIOLOGICALLY ACTIVE COMPOUNDS FROM THE PLANTS OF GEORGIAN FLORA**
E.P. Kemertelidze (Tbilisi, Georgia)
- 15.35 PL-13 CHEMICAL COMPOSITION OF THE BIOMASS OF THE *LARCH SIBERIAN* AND *GMELINII* AND TECHNOLOGY OF SEPARATION OF MEDICAL PREPARATIONS FROM WOOD AND THE BARK**
V.A. Babkin, L.A. Ostroukhova, S.Z. Ivanova, Yu.A. Malkov, E.N. Medvedeva, T.E. Fedorova, N.V. Ivanova, N.N. Trofimova (Irkutsk, Russia)
- 16.10 PL-14 FROM ACETYLENE TO PYRROLE CHEMISTRY**
B.A. Trofimov (Irkutsk, Russia)
- 16.45-17.00** *Coffee break*
- 17.00 O-08 SYNTHESIS OF β -ENAMINOCARBONYL OLEANANIC DERIVATIVES**
I.A. Tolmacheva, L.N. Shelepen'kina, V.V. Grishko, V.A. Glushkov, A.G. Tolstikov (Perm, Russia)
- 17.20 O-09 EFFECT OF STERIC STRUCTURE OF CHIRAL DERIVATIVES OF NATURAL TERPENES ON COMPLEXATION CHARACTER WITH TRANSITION METALS**
S.V. Larionov, A.V. Tkachev (Novosibirsk, Russia)
- 17.40 O-10 MOLECULE DESIGN OF BICYCLIC PIPERIDINES**
K.D. Praliyev, T.K. Iskakova, Z.M. Zhaxibayeva, G.E. Berganayeva, A.A. Abdyldanova, N.A. Togyzbayeva (Almaty, Kazakhstan)
- 18.00-19.00** **POSTER SESSION II (P-79 – P-126)**
- 19.00** *Banquet*

Friday, June 8

9.00–13.55 SESSION V

Chairman: G.K.S. Prakash, Co-chairman: V.F. Traven

9.00 PL-15 THE DUAL SUPERELECTROPHILIC AND PERICYCLIC REACTIVITY OF NITROBENZOFUROXANS AND RELATED HETEROCYCLES. FACILE S_NAr - S_EAr COUPLINGS AND POLAR DIELS-ALDER CYCLOADDITIONS

F. Terrier (France)

9.35 PL-16 ELECTRON-RICH NOBEL METAL COMPLEXES OF TRIPOD PHOSPHANE LIGANDS WITH BORON OR FLUOROSILICON ACCEPTOR CENTRES

J. Grobe, K. Lütke-Brochtrup, B. Krebs, M. Läge, H.-H. Niemeyer, E.-U. Würthwein (Germany)

10.10 PL-17 CONSTRUCTION OF BICYCLE AND CAGE COMPOUNDS USING ALLYLIC BORON DERIVATIVES

Yu.N. Bubnov, M.E. Gurskii, A.L. Semenova, N.Yu. Kuznetsov, S.Yu. Erdyakov, G.D. Kolomnikova, T.V. Potapova (Moscow, Russia)

10.45 O-11 THE APPLICATION OF C- AND N-NITROSOCOMPOUNDS FOR SYNTHESIS AROMATIC AND QUINOID SUBSTANCES

L.M. Gornostaev, E.A. Bocharova, N.V. Geets, L.V. Dolgushina, T.I. Lavrikova, M.S. Sokolova (Krasnoyarsk, Russia)

11.05-11.25 *Coffee break*

11.25 PL-18 PROTON SPONGES: MAIN TRENDS

A.F. Pozharskii (Rostov-on-Don, Russia)

12.00 O-12 OXIDATIVE ALKYLAMINATION OF AZINONES AS A DIRECT ROUTE TO AMINOAZINONES

A.V. Gulevskaya, O.N. Burov, A.F. Pozharskii (Rostov-on-Don, Russia)

12.20 O-13 PROTONATION AND REACTIONS OF ACETYLENIC COMPOUNDS IN SUPERACIDS

A.V. Vasilyev, J. Sommer, A.P. Rudenko (Russia, France)

12.40 O-14 FLUORINE MIGRATION IN FREE RADICALS. THEORETICAL INVESTIGATION

I. Bilkis (Israel)

13.00 O-15 SPIN CHEMISTRY OF ASSOCIATES OF GLYCYRRHIZINIC ACID

T.V. Leshina, V.S. Kornievskaya, A.I. Kruppa, N.E. Polyakov, N.F. Salakhutdinov, G.A. Tolstikov (Novosibirsk, Russia)

- 13.20 O-16 NMR AND HYDROGENATION OF UNSATURATED COMPOUNDS WITH PARA-HYDROGEN**
I.V. Koptug, K.V. Kovtunov, R.Z. Sagdeev (Novosibirsk, Russia)
- 13.40** Bruker Company Presentation
- 13.55-15.00** *Lunch break*
- 15.00-19.20 SESSION VI**
Chairman: G. Haufe, Co-chairman: V.N. Charushin
- 15.00 PL-19 SYNTHESIS AND SENSOR PROPERTIES OF FLUORESCENT COUMARIN DERIVATIVES**
V.F. Traven (Moscow, Russia)
- 15.35 PL-20 S_N^H REACTIONS FOR THE SYNTHESIS OF MACROCYCLES**
O.N. Chupakhin (Ekaterinburg, Russia)
- 16.10 PL-21 TRADITIONS AND MODERN TENDENCIES IN SCIENTIFIC INVESTIGATIONS OF N.N. VOROZHTSOV'S LABORATORY OF ORGANIC DYES AND INTERMEDIATE PRODUCTS**
V.P. Perevalov (Moscow, Russia)
- 16.45-17.00** *Coffee break*
- 17.00 O-17 QUINOXALINONE-BENZIMIDAZOLE REARRANGEMENT IN THE REACTIONS OF 3-ACYLQUINOXALIN-2-ONES WITH *ortho*-PHENYLENDIAMINES**
A.A. Kalinin, V.A. Mamedov (Kazan, Russia)
- 17.20 O-18 SYNTHESIS AND APPLICATION OF HYPERVALENT IODOARENES**
M.S. Yusubov, T.V. Funk, M.P. Gilmkhanova, G.A. Zholobova, L.A. Drygunova, R.Ya. Yusubova (Tomsk; Russia)
- 17.40 O-19 DIRECTED PREPARATION OF PYRIMIDINOPHANES WITH DIFFERENT STRUCTURE**
V.E. Semenov, V.D. Akamsin, R.Kh. Giniaytullin, A.S. Mikhailov, A.E. Nikolaev, V.S. Reznik (Kazan, Russia)
- 18.00 O-20 MULTIMOLECULAR CYCLOCONDENSATION OF HETERO- AND BIFUNCTIONAL AMINES, H₂S AND ALDEHYDES**
V.R. Akhmetova, G.R. Nadyrgulova, R.A. Vagapov, Z.T. Niatshina, R.R. Khairullina, R.V. Kunakova, U.M. Dzhemilev (Ufa, Russia)
- 18.20-19.20 POSTER SESSION III (C-127 – C-185)**

Saturday, June 9

9.00–12.00 SESSION VII

Chairman: F. Terrier, Co-chairman: G.N. Vorozhtsov

9.00 O-21 NEW HETEROCYCLIC SYSTEMS – THIOPHENE CIRCULENES AND HELICENES

V.G. Nenajdenko, K.Yu. Chernichenko, S.S. Vshivenko, E.S. Balenkova (Moscow, Russia)

9.20 O-22 HETEROCYCLIC RADICAL ANION SALTS: PROMISING MOLECULAR MATERIALS

N.P. Gritsan, **A.V. Zibarev**, S.N. Konchenko, R. Mews, V.I. Ovcharenko (Russia, Germany)

9.40 O-23 REACTIONS OF *peri*-CYCLIZATION AS A ROUTE TO 7*H*-PYRIDO- AND 7*H*-PYRANO[2,3,4-*k*]ACRIDINE-2(3*H*)-ONES

M.V. Gorelik, S.P. Titova, E.V. Gordievskaya (Moscow, Russia)

10-00 O-24 SYNTHESIS OF NITROGEN CONTAINING HETEROCYCLES BY TRANSFORMATION OF 1,2-DISUBSTITUTED DIAZIRINES WITH HETEROCUMULENES

N.N. Mahova, A.V. Shevtsov, V.V. Kuznetsov, V. Ju. Petuchov (Moscow, Russia)

10.20 O-25 A NEW METHOD FOR THE SYNTHESIS OF AZAHETEROCYCLES BASED ON CASCADE REACTIONS OF NITROGEN- AND PHOSPHORUS-CONTAINING YLIDES WITH DIAZOCARBONYL COMPOUNDS

Y.V. Tomilov, **D.V. Dorokhov**, D.N. Platonov, R.F. Salikov (Moscow, Russia)

10.40 O-26 NEW ROUTE TO THE METHACYCLOPHANE SYSTEM

G.P. Sagitullina, **R.S. Sagitullin** (Omsk, Russia)

11.00-12.00 *Closing ceremony*

Poster presentations

- P-01 MOLECULAR STRUCTURE OF 1-AMINOPYRAZINIUM CATIONS**
R.V. Andreev, G.I. Borodkin, A.Yu. Vorobiev, Yu.V. Gatilov, V.G. Shubin
(Novosibirsk, Russia)
- P-02 REGIOSELECTIVITY OF AMINATION OF PYRAZINES**
A.Yu. Vorobiev, G.I. Borodkin, R.V. Andreev, M.M. Shakirov, V.G. Shubin
(Novosibirsk, Russia)
- P-03 X-RAY DIFFRACTION AND QUANTUM-TOPOLOGICAL STUDY OF INTERMOLECULAR INTERACTIONS IN HOMOCRYSTALS OF PARTIALLY FLUORINATED QUINOLINES.**
M.A. Grishina, L.Yu. Gurskaya, **I.Yu. Bagryanskaya**, G.A. Selivanova,
V.A. Potemkin, Yu.V. Gatilov, V.D. Shteingarts (Novosibirsk, Chelyabinsk, Russia)
- P-04 INTERMOLECULAR INTERACTIONS AND PACKING EFFECTS IN BENZODITHIAZINES DERIVATIVES CRYSTALS**
E.V. Bartashevich, V.A. Potemkin, I.Yu. Bagryanskaya
(Novosibirsk, Chelyabinsk, Russia)
- P-05 FLUOROCONTAINING GLYCIDYL ETHERS. SYNTHESIS AND REDUCTIVE REACTIONS**
D.N. Bazhin, T.I. Gorbunova, A.Ya. Zapevalov, V.I. Saloutin (Ekaterinburg, Russia)
- P-06 FLUOROBENZENE RADICAL ANIONS: STRUCTURE FLEXIBILITY AND MONOMOLECULAR FRAGMENTATION**
I.V. Beregovaya, L.N. Shchegoleva (Novosibirsk, Russia)
- P-07 STRUCTURE CLUSTERING OF SPECTRAL SEARCH RESULT AS A METHOD OF STRUCTURE ELUCIDATION**
T.F. Bogdanova, S.G. Molodtsov, V.N. Piottukh-Peletsky (Novosibirsk, Russia)
- P-08 NEW APPROACH TO THE SYNTHESIS OF CHIRAL α -AMINOPHOSPHONATES**
G.N. Bondarenko, A.V. Varakuta, N.S. Goulioukina, I.P. Beletskaya
(Moscow, Russia)
- P-09 FLUORINATION OF AROMATIC COMPOUNDS WITH F-TEDA-BF₄ IN SOLID STATE**
G.I. Borodkin, P.A. Zaikin, V.G. Shubin (Novosibirsk, Russia)
- P-10 FLUORINATION OF AROMATIC AND N-HETEROAROMATIC COMPOUNDS WITH F-TEDA-BF₄ IN WATER**
P.A. Zaikin, G.I. Borodkin, V.G. Shubin (Novosibirsk, Russia)

- P-11 PENDULAR REARRANGEMENT OF EPIMERIC 3b,4,4a,5-TETRAMETHYL-3b,4,4a,5-TETRAHYDRO-4H-CYCLOPROPA-[a]PHENALEN-5-YL CATIONS**
V.A. Bushmelev, A.M. Genaev, V.G. Shubin (Novosibirsk, Russia)
- P-12 ON KINETIC STABILITY OF PLANAR "TRIANGULAR" BENZENE DICATION**
A.M. Genaev, V.G. Shubin (Novosibirsk, Russia)
- P-13 REARRANGEMENTS OF 6b,7,8,8a-TETRAMETHYL-6b,8a-DIHYDRO-CYCLOBUTA[a]ACENAPHTHYLENE IN ACIDS: VARIATION OF ACIDIC MEDIUM – EFFECTIVE MEANS TO CONTROL CARBOCATION REARRANGEMENTS**
A.M. Genaev, G.E. Sal'nikov, **V.G. Shubin** (Novosibirsk, Russia)
- P-14 HOMOPHENALENIUM CATIONS – NEW REPRESENTATIVES OF HOMOAROMATIC SYSTEMS, THEIR STRUCTURE FLEXIBILITY AND TEMPERATURE DEPENDENCE OF NMR CHEMICAL SHIFTS**
G.E. Sal'nikov, A.M. Genaev (Novosibirsk, Russia)
- P-15 THE CLEMMENSEN REACTION WITH NON-AMALGAMATED ZINC: REDUCTION OF ALIPHATIC ALDEHYDES**
V.N. Bulavka (Pereslavl-Zalesskiy, Russia)
- P-16 THE REACTIONS OF 9,10-ANTHRAQUINONES DERIVATIVES WITH UNSATURATED COMPOUNDS**
V.Y. Denisov, T.P. Galevskaya, T.B. Tkachenko, T.V. Chuikova (Kemerovo, Russia)
- P-17 AMINATION OF 3,5-DI-TERT-BUTYL-O-BENZOQUINONE**
N.O. Druzhkov, T.N. Kocherova, G.A. Abakumov (Nizhny Novgorod, Russia)
- P-18 NUCLEOPHILIC ADDITION OF SECONDARY PHOSPHINE CHALCOGENIDES TO ACYLACETYLENES**
N.K. Gusarova, **M.Yu. Dvorko**, T.E. Glotova, S.N. Arbuzova, B.A. Trofimov (Irkutsk, Russia)
- P-19 SYNTHESIS AND PROPERTIES OF HYDROXYARYLALKYLAMINES AND ITS DERIVATIVES**
O.I. Djubchenko, V.V. Nikulina, E.I. Terakh, N.V. Kandalintseva, A.E. Prosenko, Y.Sh. Schwartz, M.I. Dushkin (Novosibirsk, Russia)
- P-20 METHOD OF SYNTHESIS OF POLYFLUOROARENESULPHONYL BROMIDES**
R.A. Bredikhin, A.M. Maksimov, V.E. Platonov (Novosibirsk, Russia)
- P-21 INTERACTION OF BENZOPOLYFLUORINATED QUINOLINES WITH NITROGEN NUCLEOPHILES**
L.Yu. Gurskaya, G.A. Selivanova, S.S. Laev, V.D. Shteingarts (Novosibirsk, Russia)

- P-22 REDOX PROPERTIES OF 1-SUBSTITUTED NAPHTHALENES**
N.V. Vasilieva, I.G. Irtegora, T.A. Vaganova, V.D. Shteingarts (Novosibirsk, Russia)
- P-23 PENTAFLUOROPHENYLSUBSTITUTED PYRILIUM SALTS: REACTIONS WITH HYDROXYLAMINE**
I.Yu. Kargapolova, N.A. Orlova, T.V. Rybalova, V.V. Shelkovnikov (Novosibirsk, Russia)
- P-24 INVESTIGATION OF GLYCYRRHIZINIC ACID ASSOCIATIONS IN SOLUTIONS BY ¹H NMR AND CIDNP METHODS**
V.S. Kornievskaya, A.I. Kruppa, N.E. Polyakov, T.V. Leshina (Novosibirsk, Russia)
- P-25 NUCLEOPHILIC ADDITION OF SECONDARY AMINES TO 3,6-DI-*TERT*-BUTYL-*O*-BENZOQUINONE**
T.N. Kocherova, N.O. Druzhkov, V.K. Cherkasov (Nizhny Novgorod, Russia)
- P-26 ALKYLAMINATION OF JUGLONE**
L.V. Ektova, A.D. Bukhtoyarova (Novosibirsk, Russia)
- P-27 SYNTHESIS OF THE SALICYLALDEHYDES BEARING BULK SUBSTITUENTS IN THE POSITIONS 3 AND 5**
A.I. Kochnev, I.I. Oleynik, I.V. Oleynik, G.A. Tolstikov (Novosibirsk, Russia)
- P-28 SYNTHESIS OF THE NEW BIS(SALICYLALDIMINATO)TITANIUM (IV) COMPLEXES**
A.I. Kochnev, I.I. Oleynik, I.V. Oleynik, G.A. Tolstikov (Novosibirsk, Russia)
- P-29 QUANTITATIVE ESTIMATING THE EFFICIENCY OF COMBINED USING OF IR AND MASS-SPECTRAL DATABASE FOR STRUCTURE ELUCIDATION OF ORGANIC COMPOUNDS**
T.A. Kornakova, V.N. Piottukh-Peletsky (Novosibirsk, Russia)
- P-30 ENTHALPY-ENTROPY RELATIONSHIPS IN THE BIMOLECULAR NUCLEOPHILIC REACTIONS**
I.A. Khalfina, V.M. Vlasov (Novosibirsk, Russia)
- P-31 DIFURYLMETHANE SYNTHESIS BASED ON FURFURYL ALCOHOL IN THE PRESENCE OF ULKINSON COMPLEX**
R.I. Khusnutdinov, A.R. Bayguzina, A.A. Smirnov, R.R. Mukminov, U.M. Dzemilev (Ufa, Russia)
- P-32 COMPLEXES BETWEEN 18-CROWN-6 AND POLYFLUOROPHENYLENE-DIAMINES: PREPARATION, PROPERTIES, APPLICATION**
S.Z. Kusov, T.A. Vaganova, I.K. Shundrina, G.V. Romanenko, E.V. Malykhin (Novosibirsk, Russia)
- P-33 SYNTHESIS OF 1,4-DIHYDROXITHIOXANTHEN-9-ONE AND ITS TRANSFORMATIONS IN THIOXANTHEN-1,4,9-TRIONE DERIVATIVES**
V.A. Loskutov, J.K. Romantsan (Novosibirsk, Russia)

- P-34 THIOXANTHEN-9-ONE DERIVATIVES AS EFFICIENT PHOTOINITIATORS FOR HOLOGRAPHY**
V.A. Loskutov, V.V. Shelkovnikov (Novosibirsk, Russia)
- P-35 AMINATION OF POLYFLUORO PYRIDINES BY LIQUID AMMONIA AS AN UNIVERSAL ROUTE TO THE MONOMERS FOR POLYCONDENSATION**
V.I. Rodionov, S.Z. Kusov, T.A. Vaganova, I.K. Shundrina, E.V. Malykhin (Novosibirsk, Russia)
- P-36 SKELETAL TRANSFORMATIONS OF PERFLUOROALKYLPHENYLBENZO-CYCLOBUTENES UNDER THE ACTION OF ANTIMONY PENTAFLUORIDE**
V.R. Sinyakov, T.V. Mezhenkova, V.M. Karpov, V.E. Platonov (Novosibirsk, Russia)
- P-37 NON-EMPIRICAL QUANTUM CHEMICAL CALCULATIONS OF HERZ CATIONS AND RADICALS AND THEIR SELENA ANALOGUES**
A.Yu. Makarov, F. Blockhuys (Russia, Belgium)
- P-38 REACTIVITY OF 5,6-BIS(DIMETHYLAMINO)ACENAPHTHYLENE**
M.A. Mekh, V.A. Ozeryanskii, A.F. Pozharskii (Rostov-on-Don, Russia)
- P-39 THE STRUCTURE OF NOVEL TETRAHYDROBENZO[*e*]PYRANO-[4,3-*b*]PYRIDINE DERIVATIVES IN CRYSTAL**
E.V. Mironova, A.T. Gubaidullin, A.M. Murtazina, I.A. Litvinov, V.A. Mamedov (Kazan, Russia)
- P-40 POLYSUBSTITUTED PHTHALONITRILES AND PHTHALOCYANINES FROM TETRACHLOROPHTHALONITRILE**
V.M. Negrimovsky, K.A. Volkov, G.V. Avramenko, E.A. Lukyanets (Moscow, Russia)
- P-41 ELECTROCHEMICAL REDUCTION AND OXIDATION OF ORGANIC COMPOUNDS. POLARIZINE EFFECT IN ANION- AND CATION-RADICALS**
O.V. Novikova, O.V. Kuznetsova, A.N. Egorochkin (Nizhny Novgorod, Russia)
- P-42 REACTIVITIES OF *O*- AND *S*-NUCLEOPHILES IN *TRANS*-ESTERIFICATION REACTIONS OF 4-NITROPHENYLBENZOATES IN DIMETHYL FORMAMIDE**
I.A. Os'kina, V.M. Vlasov (Novosibirsk, Russia)
- P-43 THE INTERACTION OF PHTHALONITRILE RADICAL ANION WITH ALLYL-, BENZYL- AND ω -ALKENYL BROMIDES**
E.V. Panteleeva, E.A. Luk'yanets, V.D. Shteingarts (Novosibirsk, Russia)
- P-44 SUPRAMOLECULAR COMPLEXES OF CAROTENOIDS. INVESTIGATION BY PHYSICAL METHODS**
N.E. Polyakov, T.V. Leshina (Novosibirsk, Russia)

- P-45 SYNTHESIS, MOLECULAR AND CRYSTAL STRUCTURES OF 3-(1-AMINO-2,2,2-TRIFLUOROETHYLIDENE)-1,1,4,5,6,7-HEXAFLUOROINDANE-2-ONE, 2-AMINO-1,1,4,5,6,7-HEXAFLUORO-3-TRIFLUOROACETYLIDENE AND IT'S DIOXANE AND PYRIDINE COMPLEXES**
T.V. Rybalova, V.M. Karpov, Yu.V. Gatilov (Novosibirsk, Russia)
- P-46 SYNTHESIS OF NEW POLYFLUORINATED DERIVATIVES OF 2-AMINO-1,4-NAPHTOQUINONE**
L.I. Goryunov, **N.M. Romanova**, V.D. Shteingarts (Novosibirsk, Russia)
- P-47 HYDRODEHALOGENATION OF POLYHALOARENES BY HYDROGENE AND Pd/C**
V.I. Rodionov, E.V. Malykhin (Novosibirsk, Russia)
- P-48 2,3-EPOXYPERFLUOROBUTANE IN THE REACTION WITH 2-AMINOTHIOPHENOL**
L.V. Saloutina, A.Ya. Zapevalov, V.I. Saloutin, O.N. Chupakhin (Ekaterinburg, Russia)
- P-49 CERTAIN SYNTHETIC MODIFICATIONS OF 2,3',4'-TRICYANODIPHENYL**
G.A. Selivanova, V.G. Vasiliev, E.A. Luk'yanets, V.D. Shteingarts (Novosibirsk, Russia)
- P-50 INTERACTION OF PERFLUORO-1-PHENYLBENZOCYCLOBUTENE WITH PENTAFLUOROBENZENE IN SbF₅ MEDIUM**
V.R. Sinyakov, T.V. Mezhenkova, V.M. Karpov, V.E. Platonov (Novosibirsk, Russia)
- P-51 BORON- AND PHOSPHORUS CONTAINING DERIVATIVES OF CYCLOPROPYLMETHANOLS**
Y.N. Mitrassov, **I.N. Smolina**, O.V. Kondratjeva, M.A. Phrolova, N.P. Savinova, A.V. Gavrilova, O.Y. Viktorova (Cheboksary, Russia)
- P-52 INTERACTION OF NITROPHENOLS AND NITRONAPHTHOLS WITH ALUMINIUM BROMIDE**
A.V. Golounin, W.A. Sokolenko, O.V. Zacharova, E.A. Shor, M.S. Tovbis (Krasnoyarsk, Russia)
- P-53 REACTIONS OF ACETYLENIC COMPOUNDS CATALYZED BY ALUMINIUM HALOGENIDES**
A.O. Shchukin, A.V. Vasilyev (St. Petersburg, Russia)
- P-54 PENTAFLUOROPHENYLSUBSTITUTED PYRILIUM SALTS: REACTIONS WITH PHENYL HYDRAZINE**
I.Yu. Kargapolova, **K.S. Shmuilovich**, N.A. Orlova, V.V. Shelkovnikov (Novosibirsk, Russia)

- P-55 NEW POLYIMIDES BASED ON DIAMINES OF POLYFLUORO NAPHTHALENE, PYRIDINE AND TOLUENE**
I.K. Shundrina, T.A. Vaganova, S.Z. Kusov, V.I. Rodionov, E.V. Malykhin (Novosibirsk, Russia)
- P-56 PHOTOLYSIS OF 4,5- SUBSTITUTED 3,6-DI-*TERT*-BUTYL-*ORTO*-BENZOQUINONES**
M.P. Shurygina, Yu.A. Kurskii, N.O. Druzhkov, S.A. Chesnokov (Nizhny Novgorod, Russia)
- P-57 2,6- AND 2,7-DIAMINOHEXAFLUORONAPHTHALENES SYNTHESIS: ORIENTATION CONTROL BY THE REVERSIBLE MODIFICATION OF THE SUBSTITUENT**
T.A. Vaganova, S.Z. Kusov, V.I. Rodionov, I.K. Shundrina, G.E. Salnikov, E.V. Malykhin (Novosibirsk, Russia)
- P-58 SYNTHESIS OF PERFLUORODIARYLS FROM PERFLUOROAROMATIC ORGANOZINC COMPOUNDS AND PERFLUOROARENES**
A.S. Vinogradov, V.I. Krasnov, V.E. Platonov (Novosibirsk, Russia)
- P-59 HIGH PRESSURE SYNTHESIS OF FOTOCHROMIC HYBRIDES, BEARING FULGIMIDE AND DIHETARYLETHENE MOIETIES.**
I.P. Sedishev, S.V. Shorunov, M.M. Krayushkin, S.I. Luyksaar, M. Irie (Russia, Japan)
- P-60 PUBLICATIONS OF ACADEMICIAN N.N. VOROZHTSOV: A BIBLIOMETRIC ANALYSIS DONE WITH CHEMICAL ABSTRACTS AND SCIENCE CITATION INDEX DATABASES OF STN INTERNATIONAL**
I.V. Zibareva (Novosibirsk, Russia)
- P-61 TRANSFORMATION OF PERFLUOROAROMATIC COMPOUNDS TO CARBONYL DERIVATIVES UNDER THE ACTION OF CF₃COOH/SbF₅**
Ya.V. Zonov, V.M. Karpov, V.E. Platonov (Novosibirsk, Russia)
- P-62 BASICITY OF DIALKYLAMINO NAPHTHALENE DERIVATIVES**
M.P. Vlasenko, V.I. Sorokin, V.A. Ozeryanskii (Rostov-on-Don, Russia)
- P-63 SYNTHESIS OF SOME AMINOAROMATIC ACIDS AND PHENOLS IN ELECTROCATALYTIC SYSTEM**
E.A. Soboleva, S.V. Do, M.Z. Muldachmetov, E.V. Kulakova, N.M. Ivanova, I.V. Kirilyus, O.A. Sivolobova, V.A. Efimenko (Kazakhstan)
- P-64 TRIS(4-R-TETRAFLUOROPHENYL)PHOSPHINES: PREPARATION AND COMPLEXATION**
V.I. Sorokin, K.K. Karaghiosoff (Russia, Germany)
- P-65 HIGH PRESSURE SYNTHESIS OF PYRIDINES FROM 1,2,4-TRIAZINES**
I.P. Sedishev, M.M. Krayushkin, V.N. Yarovenko, I.V. Zavarzin, S.K. Kotovskaya, D.N. Kozhevnikov, V.N. Charushin (Moscow, Ekaterinburg, Russia)

- P-66 SYNTHESIS OF NOVEL SPIROCYCLIC DERIVATIVES OF 1,3-DIAZAADAMANTANE**
G.L. Harutyunyan, A.D. Harutyunyan, G.S. Sahakyan, K.A. Gevorkyan, R.K. Shahatuni (Yerevan, Armenia)
- P-67 THE SYNTHESIS AND THE PROPERTIES OF ACETYLATES AND MESYLATES 1-AMINO-2-ARYLOXY-4-HYDROXY-9,10-ANTHRAQUINONES**
V.A. Beresnev, M.S. Sokolova, L.M. Gornostaev (Krasnoyarsk, Russia)
- P-68 THE PECULIARITY OF AMINATION SOME 3-HALOGEN-4-NITROSOANILINES AND 3-HALOGEN-4-NITROSOPHENOLES**
E.A. Bocharova, N.P. Gritsan, L.M. Gornostaev (Krasnoyarsk, Novosibirsk, Russia)
- P-69 TRIHALOGENPROPANE-2-OL-2-THIOLS – A NEW SYNTHONES IN ORGANIC SYNTHESIS**
I.A. Dorofeev, L.G. Shagun, V.A. Shagun, I.A. Mikhailova, M.G. Voronkov (Irkutsk, Russia)
- P-70 UNUSUAL METHOD OF SYNTHESIS AND STRUCTURE OF ORGANOSILICON COMPLEX OF MALTOLE, CONTAINING COORDINATED CENTER O₄SiF₂**
E.A. Grebneva, S.A. Mukha, N.N. Chipanina, T.N. Aksamentova, A.I. Albanov, O.M. Trofimova, B.G. Sukhov, M.G. Voronkov (Irkutsk, Russia)
- P-71 SOLVENT-FREE OXIDATION OF ALIPHATIC ALCOHOLS BY Pb(IV) AND Ce(IV) COMPOUNDS**
N.I. Kapustina, L.L. Sokova, V.D. Makhaev, G.I. Nikishin (Moscow, Russia)
- P-72 ADDITION OF SULFENATE ESTERS ACTIVATED BY HALO(TRIMETHYL)-SYLANES TO DOUBLE BOND WITH THE PARTICIPATION OF EXTERNAL NUCLEOPHILES**
O.A. Mukhina, A.Yu. Gavrilova, O.B. Bondarenko, N.V. Zyk (Moscow, Russia)
- P-73 REARRANGEMENTS OF *O*-PROPARGYL- β -AMINOPROPIOAMIDOXIMES**
M.A. Orazbaeva, S.A. Vizer, L.A. Kayukova, K.D. Praliyev (Almaty, Kazakhstan)
- P-74 THE REACTION OF DIVINYL SULFIDE WITH SELENOUREA**
S.V. Amosova, K.A. Volkova, **M.V. Penzik**, A.S. Nakhmanovich, A.I. Albanov, V.A. Potapov (Irkutsk, Russia)
- P-75 SYNTHESIS OF MONOTHIOXAMIDES OF AMINONITRO ARENE'S SEQUENCE**
A.V. Polushina, V.N. Yarovenko, K.S. Levchenko, I.V. Zavarzin, M.M. Krayushkin, V.V. Poroikov, S.K. Kotovskaya, V.N. Charushin (Moscow, Ekaterinburg, Russia)
- P-76 PUMMERER'S REACTION IN THE SYNTHESIS OF SUBSTITUTED CYCLOCOMPONENTS**
G. K. Rustembekova, B.T. Zhuzbaev, Z.M. Muldachmetov (Karaganda, Kazakhstan)

- P-77 REVERDIN TYPE REARRANGEMENT AT REACTION OF ADAMANTYLATION OF 4-IODOPHENOL**
W.A. Sokolenko, N.M. Svirskaya (Krasnoyarsk, Russia)
- P-78 A NEW WAY TO THE SYNTHESIS OF STRONG ORGANIC BASES: 1,8-BIS(DIALLYLAMINO)NAPHTHALEN AND ITS DEALKYLATION**
D.A. Shevchuk, V.A. Ozeryanskii (Rostov-on-Don, Russia)
- P-79 SYNTHESIS THIOUREA DERIVATIVES OF CYTOSINE, L-EPHEDRINE AND D-PSEUDOEPHEDRINE**
A.A. Ainabayev, I.V. Kulakov, O.A. Nurkenov, A.M. Gazaliev (Karaganda, Kazakhstan)
- P-80 FURFURYL ALCOHOL IN LEVULINIC ACID ESTER SYNTHESIS UPON THE ACTION OF Fe AND Rh COMPLEXES**
R.I. Khusnutdinov, A.R. Bayguzina, A.A. Smirnov, R.R. Mukminov, U.M. Dzemilev (Ufa, Russia)
- P-81 CHEMICAL COMPOUND AND PROPERTIES OF FLAVONOID-CONTAINING EXTRACTS FROM WASTES OF FRUIT PROCESSING**
V.V. Budaeva (Biysk, Russia)
- P-82 CATALYTIC INTERACTION OF 1,3-DIOXOLANES BASED ON L-TARTARIC ACID WITH DIAZOCOMPOUNDS**
Yu.R. Galina, M.D. Khanova, R.M. Sultanova (Ufa, Russia)
- P-83 SYNTHESIS OF NEW CHIRAL TERPENE BASED α -THIOOXIMES AND CORRESPONDING MACROCYCLES**
N.B. Gorshkov, A.M. Agafontsev (Novosibirsk, Russia)
- P-84 SYNTHESIS OF NEW POLYFUNCTIONAL COMPOUNDS FROM (-)-*cis*-VERBENOL EPOXIDE**
I.V. Il'ina, K.P. Volcho, D.V. Korchagina, V.A. Barkhash, N.F. Salakhutdinov (Novosibirsk, Russia)
- P-85 SYNTHESIS OF ALKENYLFURFURYLAMIDES OF LABDANOIDS AND THEIR INTRAMOLECULAR CYCLOADDITION**
Y.V. Kharitonov, E.E. Shults, G.A. Tolstikov (Novosibirsk, Russia)
- P-86 SYNTHESIS AND EVALUATION OF INHIBITING ACTIVITY OF SULFUR-CONTAINING ANTIOXIDANTS ON THE BASIS OF 2,6-DIMETHYLPHENOL**
A.S. Khomchenko, E.I. Terakh, A.E. Prosenko (Novosibirsk, Russia)
- P-87 SYNTHESIS AND ASYMMETRIC OXIDATION OF BENZOTRITHIANES – ANALOGS OF VARACIN C**
T.M. Khomenko, D.V. Korchagina, M.P. Dolgikh, T.G. Tolstikova, K.P. Volcho, N.F. Salakhutdinov (Novosibirsk, Russia)

- P-88 SYNTHESIS OF NEW CHIRAL SHIFF BASES FROM (+) - AND (-) - α -PINENES SUITABLE FOR USE IN ASYMMETRIC OXIDATION OF SULFIDES**
E.A. Klimova, K.P. Volcho, D.V. Korchagina, N.I. Komarova, A.I. Kochnev, N.F. Salakhutdinov, A.G. Tolstikov (Novosibirsk, Russia)
- P-89 STUDYING OF THE *PRIMULA'S MACROCALIX* BGE CHEMICAL COMPOSITION**
J.S. Kosenkova, M.P. Polovinka, D.V. Korchagina, N.I. Komarova, N.F. Salakhutdinov (Novosibirsk, Russia)
- P-90 SYNTHESIS AND ANTIOXIDANT PROPERTIES OF THIODERIVATIVES OF THE *TERT*-BUTYLHYDROQUINONE**
S.O. Kravtsov, A.E. Prosenko (Novosibirsk, Russia)
- P-91 HYDROPHILIC HYBRIDS PHENOLIC ANTIOXIDANTS: SYNTHESIS AND BIOLOGICAL ACTIVITIES**
N.V. Kandalintseva, A.S. Olynik, T.S. Kuprina, N.Yu. Pevneva, O.I. Djubchenko, A.E. Prosenko (Novosibirsk, Russia)
- P-92 STUDY OF PLANT LIPIDS BY GH/MS**
T.P. Kukina (Novosibirsk, Russia)
- P-93 THE OLIGONUCLEOTIDE CONJUGATES OF Co(II) AND Fe(II) PHTHALOCYANINES FOR THE SEQUENCE-SPECIFIC DNA MODIFICATION**
A.A. Kuznetsova, O.S. Fedorova (Novosibirsk, Russia)
- P-94 THE INTERACTION OF (+)-USNIC ACID WITH AMINOACIDS**
O.A. Luzina, M.P. Polovinka, N.F. Salakhutdinov, G.A. Tolstikov (Novosibirsk, Russia)
- P-95 THIODERIVATIVES OF *O*-CYCLOHEXYLPHENOLS: SYNTHESIS AND ANTIOXIDANT PROPERTIES**
A.F. Markov, A.E. Prosenko (Novosibirsk, Russia)
- P-96 PECTIN FROM STRAW *AVENA SATIVA* L.**
E.V. Motina (Biysk, Russia)
- P-97 SYNTHESIS AND EVALUATION OF THE ANTIOXIDANT ACTIVITY OF SULFUR-CONTAINING DERIVATIVES ON THE BASIS OF 2,6-DIMETHYLHYDROQUINONE**
S.L. Nesterovich, E.I. Terakh, A.E. Prosenko (Novosibirsk, Russia)
- P-98 CHEMICAL COMPOSITION OF ETHANOLIC EXTRACT OF ROOTS OF *HEDYSARUM THEINUM* KRASNOB.**
I.V. Nechepurenko, M.P. Polovinka, N.I. Komarova, N.F. Salakhutdinov, S.B. Nechepurenko (Novosibirsk, Russia)

- P-99 SYNTHESIS AND ANTIRADICAL PROPERTIES OF SULPHONATES AND THIOSULPHONATES BASED ON ALKYL SUBSTITUTED MONO- AND DIATOMIC PHENOLS**
A.S. Oleynik, T.S. Kuprina, S.E. Yagunov, N.V. Kandalintseva, A.E. Prosenko (Novosibirsk, Russia)
- P-100 SYNTHESIS OF NEW ANTIOXIDANTS CONTAINING POLYMERIZABLE VINILOXY- AND VINYLTHIOGROUPS**
L.N. Parshina, L.A. Oparina, M.Ya Khil'ko, B.A. Trofimov (Irkutsk, Russia)
- P-101 SYNTHESIS OF ALKYNYL DERIVATIVES OF SOME ALKALOIDS**
S.A. Osadchii, E.E. Shults, E.V. Polukhina, M.M. Shakirov, S.F. Vasilevski, A.A. Stepanov, G.A. Tolstikov (Novosibirsk, Russia)
- P-102 FATTY ACIDS DETERMINATION OF LEAVES AND STEMS OF *RHODODENDRON ADAMSII* REHDER.**
A.D. Rogachev, S.V. Morozov, A.I. Vjalkov, V.V. Fomenko, N.F. Salakhutdinov (Novosibirsk, Russia)
- P-103 QUANTITATIVE DETERMINATION OF URSOLIC AND OLEANOLIC ACIDS IN SOME SPECIMENS OF *ERICACEAE* FAMILY**
A.D. Rogachev, N.I. Komarova, S.V. Morozov, V.V. Fomenko, N.F. Salakhutdinov (Novosibirsk, Russia)
- P-104 SYNTHETIC TRANSFORMATION OF DITERPENIC ALKALOIDS. LAPPACONITINE NITRATION**
V.E. Romanov, E.E. Shults, G.A. Tolstikov (Novosibirsk, Russia)
- P-105 STUDY OF CHEMICAL COMPOSITION OF ESSENTIAL OIL OF *JUNIPERUS SABINA* L.**
E.N. Shmidt, L.M. Pokrovskii, A.V. Tkachev (Novosibirsk, Russia)
- P-106 CROSS-COUPPLING REACTIONS FOR MODIFICATION OF THE ALKALOIDS OF DITERPENE AND ISOQUINOLINE SERIES**
E.E. Shults, S.A. Osadchii, V.T. Bauman, G.A. Tolstikov (Novosibirsk, Russia)
- P-107 CONDENSATION OF HYDROXYARYLALKANE-THIOLS WITH PHENOLS UNDER THE ACTION OF HYDROBROMIC ACID**
A.A. Skorobogatov, A.E. Prosenko (Novosibirsk, Russia)
- P-108 SHORT SYNTHESIS OF (3*R*,7*R*)-HEXAHYDROFARNESYL- BROMIDE ON THE BASIS MICROWAVE INDUCED ENOLIZATION OF NATURAL (R,R)-PHYTON**
M.I. Mallyabaeva, A.Yu. Spivak, O.V. Knishenko, V.N. Odinkov (Ufa, Russia)
- P-109 NEW HETEROGENEOUS CHIRAL CATALYSTS FOR ASYMMETRIC REACTIONS OF α,β - UNSATURATED KETONES WITH MALONONITRILE**
E.V. Suslov, D.V. Korchagina, N.I. Komarova, K.P. Volcho, N.F. Salakhutdinov (Novosibirsk, Russia)

- P-110 PREPARATION OF 1,2,4-BUTANETRIOL FROM MALIC ACID**
V.V. Troshkov, V.V. Fomenko, N.F. Salahutdinov (Novosibirsk, Russia)
- P-111 DIASTEREOSELECTIVE CONJUGATED ADDITION OF ORGANO-METALLIC REAGENTS TO α,β -UNSATURATED ESTERS OF MONOSUGARS**
I.R. Kharisova, I.P. Tsypysheva, A.N. Kasatkin, M.S. Yunusov (Ufa, Moscow, Russia)
- P-112 A NEW PENTACHLORIDE OF SESQUITERPENE LACTONE ARGLABINE AND ITS CRYSTALLINE STRUCTURE**
R.I. Dzhalmanbetova, V.A. Raldugin, S.M. Adekenov (Karaganda, Kazakhstan)
- P-113 SEMISYNTHETIC BIOMATERIALS FROM OXIDIZED HYALURONIC ACID**
I.Ju. Ponedel'kina, E.A. Saitgalina, E.S. Lukina, V.N. Odinokov (Ufa, Russia)
- P-114 SOME CHEMICAL TRANSFORMATIONS OF THE ALKALOID HARMINE**
M.T. Agedilova, Zh.S. Nurmaganbetov, A.Zh. Turmukhambetov, A.V. Kazantsev, E.E. Shults, S.M. Adecenov (Kazakhstan, Russia)
- P-115 SYNTHESIS AND BIOLOGICAL ACTIVITY OF SUBSTITUTED 1,2,4-TRIAZOLE-5-THIONES**
Sh.S. Akhmedova, S.N. Shin, G.T. Kalijanova, **M.A. Dyussebayeva** (Almaty, Kazakhstan)
- P-116 STRUCTURE AND PHYSIOLOGICAL ACTIVITY OF PECTINS**
V.V. Golovchenko, O.A. Patova, R.G. Ovodova, S.V. Popov, Yu.S. Ovodov (Syktyvkar, Russia)
- P-117 SYNTHESIS OF $\Delta^{8,14}$ -ANALOGUES OF ECDYSTEROIDS BY SODIUM IN LIQUID AMMONIA AND BY CATALYTIC HYDROGENATION OF 20-HYDROXYECDYSONE DERIVATIVES**
A.Sh. Ibragimova, R.V. Shafikov, R.G. Savchenko, E.R. Shakurova, I.V. Galyautdinov, V.N. Odinokov (Ufa, Russia)
- P-118 PHYTOCHEMICAL STUDY OF THE SUBSTANCE ISOLATED FROM THE FIELD DODDER**
A.I. Jusupova (Almaty, Kazakhstan)
- P-119 MATRIX OF ELEUTHESOIDES ON THE BASE OF ADDUCT OF LEVOGLUCOSENONE WITH PIPERILENE**
O.Y. Krasnoslobodtseva, B.T. Sharipov, Y.A. Kondrova, F.A. Valeev (Ufa, Russia)
- P-120 SYNTHESIS OF 4-[3-(NAPHTYL)OXY]PROP-1-YNYL]-PIPERIDIN-4-OLS AND THEIR GROWING OF PLANTS ACTIVITY**
N.B. Kurmankulov (Almaty, Kazakhstan)

- P-121 STANDARTIZATION OF MEDICAL SUBSTANCE "LIMONIDIN"**
A.U. Tulegenova, L.N. Puchkina, G.E. Zhusupova, Zh.A. Abilov
(Almaty, Kazakhstan)
- P-122 SEARCH OF IMMUNOSTIMULATORS RELATED TO 8-R-1,3,8-TRIAZASPIRO[4,5]DECAN-2,4-DIONE**
I.B. Sagatbekova, E.E. Fomicheva, Yu V.K., K.D. Praliyev (Almaty, Kazakhstan)
- P-123 OXIDATIVE TRANSFORMATIONS OF ISOCEMBROL. SHORT SYNTHESIS OF MUKULOL**
Sh.M. Salikhov, O.Y. Krasnoslobodtseva, B.T. Sharipov, G.A. Tolstikov, F.A. Valeev (Ufa, Russia)
- P-124 7,8-DIHYDROANALOGUES OF ECDYSTEROIDS AND ITS TRANSFORMATION UNDER THE ACTION OF PERACIDS**
R.V. Shafikov, R.G. Savchenko, S.R. Afon'kina, V.N. Odinokov (Ufa, Russia)
- P-125 MULTIFUNCTIONAL NANOCOMPOSITES BASED ON NATURAL POLYMERS**
B.G. Sukhov, G.P. Alexandrova, L.A. Grishenko, S.A. Medvedeva, T.V. Ganenko, Ya.A. Kostyro, B.A. Trofimov (Irkutsk, Russia)
- P-126 SYNTHESIS OF BIOLOGICAL ACTIVE CYCLOPROPYLPHOSPHONATES**
A.V. Varakuta, N.S. Goulioukina, I.P. Beletskaya (Moscow, Russia)
- P-127 1-ORGANYL-2-FORMYLIMIDAZOLES IN REACTION WITH O-PHENYLENEDIAMINE**
L.V. Baikalova, P.N. Andreev, A.V. Afonin, D.E. Simonenko, B.A. Trofimov (Irkutsk, Russia)
- P-128 INTERACTION OF TRINITROMETHYL-1,3,5-TRIAZINES WITH TRIPHENYLPHOSPHINE – NEW METHOD FOR THE SYNTHESIS OF 1,3,5-TRIAZINYLCARBONITRILES**
V.V. Bakharev, A.A. Gidasov, E.V. Peresedova (Samara, Russia)
- P-129 SYNTHESIS OF 5-R-TETRAZOLO[1,5-a]-1,3,5-TRIAZINE-7-ONES SALTS**
V.V. Bakharev, A.A. Gidasov (Samara, Russia)
- P-130 SYNTHESIS OF ISOMERIC BIS(AMINOPHENYL)PYRIMIDINES**
V.P. Borovik, O.P. Shkurko (Novosibirsk, Russia)
- P-131 LVT-REAGENTS FOR SELECTIVE CLEAVAGE OF ISOXAZOLIDINE RING**
Yu.B. Borozdina, D.A. Morozov, I.A. Kirilyuk, I.A. Grigor'ev (Novosibirsk, Russia)
- P-132 SYNTHESIS OF NEW POLYMETHOXY-SUBSTITUTED 4-HETEROARYL- AND 4-AMINOCOUMARINS FROM 4-HYDROXYCOUMARIN TRIFLATES**
O.G. Ganina, I.P. Beletskaya, A.Yu. Fedorov, G.V. Grishina, I.S. Veselov, S. Combes (Russia, France)

P-133 THE FIRST EXAMPLE OF DIASTEREOSELECTIVE THIO-UGI REACTION: NEW SYNTHETIC APPROACH TO A CHIRAL IMIDAZOLE DERIVATIVES

A.V. Gulevich, E.S. Balenkova, V.G. Nenajdenko (Moscow, Russia)

P-134 SYNTHESIS OF THE IRON (II) COMPLEXES ON THE BASIS OF 2,6-DIACETYLPIRIDINE HYDRAZONES

G.S. Jilovsky, I.I. Oleynik, G.A. Tolstikov (Novosibirsk, Russia)

P-135 SYNTHESIS OF NOVEL DIETHYNYL DERIVATIVES OF N-ALKOXYALKYL-PIPERIDINES

A.Zh. Kabdrissova, A.Yu. Ten, E.E. Fomicheva, K.D. Praliyev, V.K. Yu, Kenneth D. Berlin (Almaty, Kazakhstan)

P-136 4H-IMIDAZOLE 3-OXIDES: SYNTHESIS, PROPERTIES, APPLICATIONS

I.A. Kirilyuk, D.A. Morozov, V.S. Medvedev, I.A. Grigor'ev (Novosibirsk, Russia)

P-137 PHOTO- AND THERMOCYCLIZATION OF 2-AZIDO-1-ARYLOXY- AND 1-ARYLTHIO 9,10-ANTHRAQUINONES AS A METHOD OF SYNTHESIS OF HETEROCYCLIC ANTHRAQUINONE DERIVATIVES

L.S. Klimenko, I.A. Os'kina, V.M. Vlasov, N.P. Gritsan (Novosibirsk, Russia)

P-138 NUCLEOPHILIC SUBSTITUTION OF HYDROGEN IN 3-FLUORONITROARENES AS THE METHOD OF CONSTRUCTION OF 6-FLUOROINDOLES

S.K. Kotovskaya, G.A. Zhumabaeva, N.M. Perova, Z.M. Baskakova, O.N. Chupakhin, V.N. Charushin (Ekaterinburg, Russia)

P-139 SYNTHESIS AND CHEMICAL TRANSFORMATION OF 5-AMINO-3-(2-ARYLVINYL)-1-TOSYL-2-PYRAZOLINES

N.M. Kuz'menok, **T.A. Koval'chuk** (Minsk, Belarus)

P-140 FUNCTIONALIZED PYRIDINES: METHODS OF THE SYNTHESIS, METALLOCOMPLEXES, LUMINESCENCE

D.N. Kozhevnikov, A.M. Prokhorov, O.V. Shabunina, M.M. Ustinova (Ekaterinburg, Russia)

P-141 SYNTHESIS AND STRUCTURE OF REACTION PRODUCTS OF 2(5H)-FURANONE DERIVATIVES WITH SULFUR-CONTAINING MONO- AND BINUCLEOPHILES

N.F. Devyatova, L.S. Kosolapova, **A.R. Kurbangalieva**, G.A. Chmutova (Kazan, Russia)

P-142 THE SYNTHESIS OF 5-FLUOROQUINAZOLINONES FROM 6-FLUORO-ANTHRANILIC ACID DERIVATIVES

A.A. Layeva, E.V. Nosova, G.N. Lipunova, T.V. Trashakhova, V.N. Charushin (Ekaterinburg, Russia)

P-143 REGIOSELECTIVITY IN 1,3-DIPOLAR CYCLOADDITION OF 4H-IMIDAZOLE 3-OXIDE DERIVATIVES TO ACRYLONITRILE

D.A. Morozov, I.A. Kirilyuk, I.A. Grigor'ev (Novosibirsk, Russia)

- P-144 SYNTHESIS OF FLUORINE CONTAINING HETEROCYCLES USING CATALYTIC OLEFINATION REACTION**
V.M. Muzalevskiy, A.V. Shastin, E.S. Balenkova, V.G. Nenajdenko (Moscow, Russia)
- P-145 FLUORINATED 1*H*-QUINAZOLIN-4-ONES AND 1,3-BENZOTHAZIN-4-ONES: SYNTHESIS AND PROPERTIES**
E.V. Nosova, A.A. Layeva, G.N. Lipunova, V.N. Charushin (Ekaterinburg, Russia)
- P-146 4-(2-*R*-ETHYL)-AMINO-2,2,5,5-TETRAMETHYL-3-IMIDAZOLINE 1-OXYLS: *exo-N*-ALKYL CHAIN MODIFICATION**
J.F. Polienko, T. Schanding, M.A. Voinov, I.A. Grigor'ev (Russia, Germany, USA)
- P-147 SYNTHESIS OF NITROPYRIDINES BASED ON NITROACETONE**
G.P. Sagitullina, A.C. Garkushenko, L.V. Prilepskaya, R.S. Sagitullin (Omsk, Russia)
- P-148 A PECULIARITY OF THE BIGINELLI REACTION WITH PARTICIPATION OF α -NITROACETOPHENONE AND METHYLUREA**
V.F. Sedova, V.P. Krivopalov, O.P. Shkurko (Novosibirsk, Russia)
- P-149 SYNTHESIS AND SOME PROPERTIES OF 3-POLYFLUORO-ACYLCHROMONES**
V.Ya. Sosnovskikh, R.A. Irgashev, V.S. Moshkin (Ekaterinburg, Russia)
- P-150 NEW METHOD OF SUBSTITUTED PIPERIDIN-4-ONS SYNTHESIS**
Sh. Akhmedova, G. Litvinenko, V. Chernych, M. Turmukhanova (Almaty, Kazakhstan)
- P-151 PODANDS AND CROWN-ETHERS MODIFICATED BY THE THIOSEMICARBAZIDE FRAGMENTS**
E.B. Letova, O.V. Fedorova, I.G. Ovchinnikova, P.A. Slepukhin, N.S. Boltachova, G.L. Rusinov, V.I. Filyakova, V.N. Charushin (Ekaterinburg, Russia)
- P-152 THE INTERACTION OF FLUOROALKYL-CONTAINING 3-OXOESTERS WITH HETARYLDIAZONIUM SALTS**
E.V. Shchegol'kov, I.S. Sytchev, Ya.V. Burgart, V.I. Saloutin (Ekaterinburg, Russia)
- P-153 TRANSFORMATIONS OF 5,6,7,8-TETRAFLUORO-4-HYDROXYCOUMARIN DERIVATIVES WITH HYDRAZINES**
K.V. Shcherbakov, Ya.V. Burgart, V.I. Saloutin (Ekaterinburg, Russia)
- P-154 SYNTHESIS AND PROPERTIES OF 5-SUBSTITUTED HYDANTOINES**
N.A. Keiko, T.A. Kuznetsova, N.V. Vchislo (Irkutsk, Russia)
- P-155 SYNTHESIS OF 2-SUBSTITUTED AND 2,6-DISUBSTITUTED 1,2,3,4-TETRAHYDRO-4-QUINOLINECARBOXYLIC ACIDS AND THEIR DERIVATIVES**
J.A. Zhuravleva, A.S. Glazkova, A.V. Zimichev, M.N. Zemtsova, J.N. Klimochkin (Samara, Russia)

- P-156 SYNTHESIS OF STABLE NITROXIDES OF PYRROLIDINE SERIES WITH BULKY SUBSTITUENTS AT THE POSITIONS 2 AND 5 OF THE HETEROCYCLE**
I.F. Zhurko, I.A. Kirilyuk, I.A. Grigor'ev (Novosibirsk, Russia)
- P-157 SYNTHESIS AND PROPERTIES OF OXA(THIA)AZOLIDINES**
E.A. Funtikova, N.A. Keiko, N.V. Vchislo (Irkutsk, Russia)
- P-158 SYNTHESIS OF NEW 1,2-BENZOQUINONE DIOXIMES WITH ELECTRON DONATING AND WITHDRAWING GROUPS**
S.A. Amitina, E.A. Mostovich, G.A. Filonenko, **D.G. Mazhukin** (Novosibirsk, Russia)
- P-159 AN INFLUENCE OF INTRAMOLECULAR HYDROGEN BOND ON REACTIVITY OF 2-ARYLIMINOCOUMARIN-3-CARBOXAMIDES**
N.Yu. Gorobets, S.A. Yermolayev, T. Gurley, V.V. Vashchenko, S.M. Desenko (Kharkiv, Ukraine)
- P-160 REDOX PROPERTIES AND RADICAL IONS OF SOME 1,3,4,5,6,7,8-HEPTAZIN-2(1H)-ONES**
N.V. Vasilieva, **I.G. Irtego**, N.P. Gritsan, L.A. Shundrin, A.V. Lonchakov, A.Yu. Makarov, A.V. Zibarev (Novosibirsk, Russia)
- P-161 KINETICS AND MECHANISM OF 1,2-DIALKYL DIAZIRIDINES FORMATION IN LOW BASIC MEDIUMS**
V.V. Seregin, **V.V. Kuznetsov**, A.A. Laptev, N.N. Makhova (Moscow, Russia)
- P-162 CONFIGURATIONAL ASSIGNMENT OF N-ARYLSULFONYLIMINES OF POLYCHLOROALDEHYDES AND N-ARYLSULFONYLFORMAMIDINES IN SOLUTION USING ¹³C-¹³C, ¹³C-¹H AND ¹⁵N-¹H SPIN-SPIN COUPLING CONSTANTS**
K.A. Chernyshev, L.B. Krivdin, I.B. Rozentsveig, I.V. Ushakova, G.N. Rozentsveig (Irkutsk, Russia)
- P-163 2,5-DIHYDRO-2-IMINOFURANES: CONFIGURATIONAL ASSIGNMENT AND CONFORMATIONAL ANALYSIS BY MEANS OF NMR SPECTROSCOPY AND QUANTUM CHEMICAL CALCULATIONS**
S.S. Khutsishvili, L.B. Krivdin, O.A. Shemyakina, A.G. Mal'kina, B.A. Trofimov (Irkutsk, Russia)
- P-164 TRANSFORMATION OF N-(2,2-DI- AND 2,2,2-TRICHLORO-1-ARYLETHYL)-ARENESULFONAMIDES INVOLVING CYCLIZATION TO CHLOROAZIRIDINES, RECYCLIZATION, CHLOROTROPIC ISOMERIZATION AND NUCLEOPHILIC SUBSTITUTION UNDER SUPERBASIC CONDITIONS**
G.N. Rozentsveig, A.V. Popov, I.B. Rozentsveig (Irkutsk, Russia)

- P-165 STEREOCHEMICAL AND THERMODYNAMICAL ASPECTS OF AN UNUSUAL α,β -MIGRATION OF AN ENOL MOIETY ON A PYRROLE RING STUDIED BY MEANS OF QUANTUM CHEMICAL CALCULATIONS**
Yu.Yu. Rusakoy, L.B. Krivdin, V.N. Drichkov, L.N. Sobenina (Irkutsk, Russia)
- P-166 NUCLEOPHILIC ADDITION OF SECONDARY AMINES TO VINYLALLENYL 1,3,2-OXAAZAPHOSPHOLANES**
A.M. Gazaliev, O.A. Nurkenov, A.R. Dzhandygulov, S.T. Ibysheva (Kazakhstan, Russia)
- P-167 SYNTHESIS AND CYCLIZATION THIOSEMICARBAZIDE DERIVATIVES OF THE SALICYLIC ACID**
A.S. Alimbayeva, A.H. Zhakina, A.M. Gazaliev, S.D. Fazylov, O.A. Nurkenov (Karaganda, Kazakhstan)
- P-168 HETARYL HYDRAZINES IN THE SYNTHESIS OF AMINOHETARYLPYRAZOLES**
N.V. Gusakova, D.V. Krylski, Kh.S. Shikhaliev (Voronezh, Russia)
- P-169 5-METHYLEN-1,2,4-TRIAZOLINES – REACTION PRODUCTS OF THIOCARBONOHYDRAZINE AND ITS DERIVATIVES WITH 1,2-DICARBONYL COMPOUNDS**
V.V. Alekseyev, I.V. Lagoda, K.N. Zelenin (St.-Petersburg, Russia)
- P-170 PRODUCTS OF CONDENSATION OF TRIFLUOROMETHANE-SULFONAMIDE WITH FORMALDEHYDE**
V.I. Meshcheryakov, B.A. Shainyan, M.Yu. Moskalik (Irkutsk, Russia)
- P-171 SYNTHESIS OF NEW MONOMERS – BICYCLOHEPTYLOXYETHYLACRYLATES**
A.G. Piraliev, M.K. Mamedov (Baku, Azerbaijan)
- P-172 CATALITICAL SYNTHESIS OF 2-QUINOXALINECARBONITRILE**
L.S. Postnikov, I.V. Korovina, A.D. Kagarlitskij, L.A. Krichevskij (Karaganda, Kazakhstan)
- P-173 SYNTHESIS OF ACRYLATES FROM BICYCLOHEPTENE HYDROCARBONS**
R.A. Rasulova, M.K. Mamedov (Baku, Azerbaijan)
- P-174 THE PECULIARITY OF TRANSFORMATIONS OF 3-(α -CHLORBENZYL)-, 3-(α -CHLORPHENETHYL)- AND 3-(α -CHLORPHENYLPROPYL)-QUINOXALINE-2(1H)ONES UPON THE ACTION OF FORMIC ACID**
D.F. Sayfina, V.A. Mamedov (Kazan, Russia)
- P-175 RING CLEAVAGE OF TERTIARY AMMONIUM DERIVATIVES OF 5,7-DIMETHYL-1,3-DIAZADAMANTAN-6-ONE UNDER BASE CONDITIONS**
V.S. Semashko, S.Z. Vatsadze, N.V. Zyk (Moscow, Russia)

- P-176 OXIDATIVE AMMONOLYSIS OF 2-METHYLIMIDAZOLE IN THE PRESENCE OF THE MIXED METAL OXIDES**
P.B. Sidoikin, A.D. Kagarlitskij, L.A. Krichevskij (Karaganda, Kazakhstan)
- P-177 SYNTHESIS AND X-RAY CRYSTAL STRUCTURE ANALYSIS OF 1,3,5-TRIAZINO[1,2-a]BENZIMIDAZOLESE.**
Yu. Suvorova, N.I. Vikrishchuk, L.D. Popov, A.D. Vikrishchuk (Rostov-on-Don, Russia)
- P-178 SYNTHESIS OF THIOCARBONYL COMPOUNDS FROM β -SUBSTITUTED VINYLALD- AND -KETIMMONIUM DERIVATIVES**
L.V. Timokhina, O.V. Sokolnikova, M.G. Voronkov (Irkutsk, Russia)
- P-179 1,3-DIBROMOTHIOACETONE AS A NEW PRECURSOR FOR THE DESIGN OF DISPIROHETEROCYCLES**
L.G. Shagun, I.A. Dorofeev, I.A. Mikhailova, M.G. Voronkov (Irkutsk, Russia)
- P-180 REACTION OF PYRIDINE CARBOXYLIC ACIDS WITH α,β -ACETYLENIC γ -HYDROXYACID NITRILES: ZWITTERIONS FORMATION**
O.A. Shemyakina, A.P. Borisova, A.G. Mal'kina, V.V. Nosyreva, B.A. Trofimov (Irkutsk, Russia)
- P-181 CYANAMIDES IN SYNTHESIS OF 1,3-THIAZOLES AND 1,3-THIAZINES**
A.S. Shestakov, N.V. Gusakova, Kh.S. Shikhaliev, A.G. Timoshkina (Voronezh, Russia)
- P-182 SYNTHESIS OF 1,3,4-THIADIAZOLE AND 1,2,4,5-DITHIADIAZINE DERIVATIVES BY THE REACTION OF TRICHLOROMETHYLBENZENE WITH CHALCOGENES**
V.U. Vshivtsev, V.A. Grabelnykh, E.P. Levanova, E.N. Sukhomazova, N.V. Russavskaya, N.A. Korchevin (Irkutsk, Russia)
- P-183 THE TEORETICAL ANALYSIS OF POSSIBLE MECHANISM OF TRITHIATETRACYCLONONANE STRUCTURES FORMATION FROM BIS(THIOXOPROPENYL)SULFIDE SYSTEMS THROUGH THE LOW TRIPLET STATE**
V.A. Shagun, L.V. Timokhina (Irkutsk, Russia)
- P-184 CATALYTIC SYNTHESIS OF 3H-BENZ[e]- AND 1H-BENZ[g]INDOLES**
A.I. Mikhaleva, A.V. Ivanov, **A.M. Vasil'tsoy**, E.Yu. Schmidt, B.A. Trofimov (Irkutsk, Russia)
- P-185 CHEMICAL MODIFICATION NEW DERIVATIVES OF FRANGULA-EMODINE**
T.V. Kharlamova (Almaty, Kazakhstan)