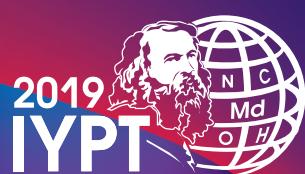




ART SCIENCE
AND SPORT



I U P A C



PROGRAM
XXI MENDELEEV CONGRESS
ON GENERAL AND APPLIED
CHEMISTRY

Saint Petersburg
9 – 13 September

| | |
|---|------------|
| PLENARY LECTURES..... | 9 |
| | |
| SECTION 1 | |
| Fundamental problems of chemical science..... | 15 |
| | |
| SECTION 2 | |
| Chemistry and technology of materials..... | 23 |
| | |
| SECTION 3 | |
| Physical chemistry of metallurgical processes | 32 |
| | |
| SECTION 4 | |
| Energy efficiency, environmental safety and risk management of chemical industry..... | 40 |
| | |
| SECTION 5 | |
| Chemical aspects of modern energetics and alternative energy resources..... | 46 |
| | |
| SECTION 6 | |
| Chemistry of fossils and renewable hydrocarbon raw materials | 51 |
| | |
| SECTION 7 | |
| Analytical chemistry: new methods and devices for chemical research and analysis | 56 |
| | |
| SECTION 8 | |
| Chemical education | 63 |
| | |
| SECTION 9 | |
| The periodic table and new elements | 67 |
| | |
| SECTION 10 | |
| Medical chemistry: fundamental and applied aspects | 70 |
| | |
| SATELLITE SYMPOSIA | |
| Celebrating D.I. Mendeleev's Periodic System. A Historical Perspective..... | 75 |
| From Empirical to Predictive Chemistry..... | 80 |
| The Periodic Table through Space and Time | 83 |
| F-Block Elements: Recent Advances and Challenges..... | 89 |
| Self-Assembly and Supramolecular Organization..... | 94 |
| Elemental Materials for Electrochemical Energy | 101 |
| | |
| POSTER SESSION | 106 |
| 10 September | 107 |
| 11 September | 132 |
| 12 September | 167 |
| | |
| ROUND TABLES | 194 |

SECTIONS 10

MEDICAL CHEMISTRY: FUNDAMENTAL AND APPLIED ASPECTS

Hotel "Park Inn Pribaltiyskaya"

| | | |
|--------|-------------------|--|
| 10-001 | Akhmetova G.S. | PIPERIDINES WITH ADAMANTANE FRAGMENT |
| 10-002 | Alekseev A.A. | NEW CONFORMATIONALLY RESTRICTED ANALOGUES OF 2-AMINO-1,3-THIAZOLINE AS CHOLINESTERASE INHIBITORS |
| 10-003 | Algaeva N.E. | A NEW METHOD FOR THE SYNTHESIS OF BIQUINOXAL-IN-2(1H)-ONES |
| 10-004 | Andreeva D.V. | SYNTHESIS OF NEW 4,11-DIAMINOANTHRA[2,3-B]THIOPHENE- 5,10-DIONES |
| 10-005 | Antonenko T.A. | BIOLOGICAL ACTIVITY OF NEW METAL COMPLEXES WITH CURCUMIN |
| 10-006 | Dev P. Arya | BACTERIAL AND FUNGAL RIBOSOME SELECTIVE ANTIMICROBIALS |
| 10-007 | Atadzhanova Kh.H. | TUDY OF THE CONTENT OF ELEMENTS IN THE BODIES OF STEVIA REBAUDIANA |
| 10-008 | Avdović E.H. | SYNTHESIS AND BIOLOGICAL ACTIVITY OF NEW COUMARIN DERIVATIVE |
| 10-009 | Bakal A.A. | ONE-STEP SYNTHESIS LUMINESCENT CARBON NANOPARTICLES BASED ON CITRIC ACID AND 1,2-ETHYLENEDIAMINE |
| 10-010 | Belik A.Yu. | PHOTOPHYSICAL PROPERTIES AND PHOTODYNAMIC EFFECT OF HYBRID NANOSTRUCTURES BASED ON FULLERENE C60 DERIVATIVES AND CHRORIN DYE |
| 10-011 | Bezsonova E.N. | SYNTHESIS AND BIOLOGICAL EVALUATION OF 3-ARYLIDENE 2-OXINDOLE DERIVATIVES AS NEW AGENTS FOR TREATMENT OF DIABETES MELLITUS |
| 10-012 | Bogachenkov A.S. | PHOSPHORYLATED FLAVONOIDS AS SELECTIVE CARBOXYLESTERASE INHIBITORS |
| 10-013 | Bogolitsin K.G. | ARCTIC BROWN ALGAE – A SOURCE OF NEW PHARMS SUBSTANCES |
| 10-014 | Borisevich S.S. | MOLECULAR DOCKING OF PROTONATED AND UNPROTONATED LIGANDS |