



МЕЖДУНАРОДНЫЙ НАУЧНО-ТЕХНИЧЕСКИЙ  
И ПРОИЗВОДСТВЕННЫЙ ЖУРНАЛ

«НАУКИ О ЗЕМЛЕ»

INTERNATIONAL SCIENTIFIC, TECHNICAL  
AND INDUSTRIAL JOURNAL «GEO SCIENCE»

The cross - cultural between Russia and Greece

## CO-OPERATION BETWEEN

Agricultural-Technological of Institute  
People's Friendship University of Russia

&

Faculty of Agriculture, Forestry  
and Natural Environment

Aristotle University of Thessaloniki



The VIII International Scientific Conference for  
professors, young scientists,  
PhD students, and students

# INNOVATION IN AGRICULTURE

April, 20 - 22, 2016



20-22

04

2016

Agricultural-Technological Institute  
Campus RUDN University,  
8/2, Miklukho-Maklaya str., Moscow

## VIII International Scientific and Practical Conference «Innovation processes in Agriculture»

### 1. Plenary session, April 21, 2016, Conference Hall №3.

13:00-14:00 - Registration, Conference Hall №3

#### 1.1. 14:00 Opening of the conference

- **14:05–14:10** - Welcome address to the participants of the conference by Consul General of Greece in Moscow, Mrs. *Eleni Mihalopulu*.
- **14:10–14:15** - Welcome address to the participants of the conference by Director of the Agrarian Technological Institute (RUDN University), professor *Vadim Plyushchikov*.
- **14:15–14:20** - Welcome address to the participants of the conference by Dean of the Faculty of Agriculture, Forestry and Natural Environment (Aristotle University of Thessaloniki), professor *Dimitrios Koveos*.

#### 1.2. Plenary session:

- **14:30–14:55** – *Dimitrios Koveos* (Aristotle University of Thessaloniki, Greece) **Organic agriculture in Greece and the 620 organic gardens in the Aristotle University**
- **14:55–15:20** – *Boris Komitov* (Institute of astronomy, Bulgarian academy of science, Bulgaria)
- **15:20–15:45** – *Vyacheslav Chernoiyanov* (All Russian Scientific institute of technical information, Russia) **System of measures for technical and technological support of innovation processes in agriculture**

15:45–16:10 – Coffee

- **16:10–16:35** – *Vadim Plyushchikov* (RUDN University, Russia) **Natural disasters and emergencies in the Russian agriculture at the technogenesis era**
- **16:35–17:00** – *Dimitrios K. Karpouzou* (Aristotle University of Thessaloniki, Greece) **Optimal energy efficiency and design of pressurized irrigation networks**
- **17:00–17:25** – *Vladimir Kaftan* (RUDN University, Geophysics center of Russian academy of science, Federal Scientific and Technical Center of Geodesy, Cartography and Spatial Data, Russia), *Andrey Melnikov* (RUDN University, Russia) **Deformation Earthquake Precursor Analysis on the Ground of GNSS Observation**
- **17:25-17:50** - *Elena Prudnikova, Igor Savin* (Dokuchaev Soil Science Institute, RUDN University, Russia) **Relationships between soil line and soil properties**

## 2. Sections, April, 22, 2016, 11:00 a.m.

### 2.1. SECTION "PLANT SCIENCE" (moderator Elena Romanova, auditorium 423)

- **11:00-11:15** – *Dronov A.V., Belchenko S.A.* (Bryansk State Agrarian University, Russia) **Forage productivity of lupin and siradella-oat mixture in the Bryansk region**
- **11:15-11:30** – *Kolychikhina M.S.* (Ltd. Science-biological center «Pharmbiomed», Russia), *Beloshapkina O.O.* (Russian State Agrarian University - Moscow Timiryazev Agricultural Academy, Russia) **Use of an iodine-based product against potato viruses**
- **11:30-11:45** - *Manning Antoinette Claudia* (RUDN University, Jamaica) **The cultivation of red roselle (*hibiscus sabdariffa*) in Jamaica**
- **11:45-12:00** - *Gins M.S., Platonova S.Yu., Yablonskaya M.I.* (RUDN University, Russia) **Food plant extracts from red forms of amaranth (*Amaranthus L.*) and opuntia fig (*Opuntia ficus indica L.*) with high levels of antioxidants and biologically active substances**
- **12:00-12:15** - *Sukhodolov I.A.* (Russian State Agrarian University - Moscow Timiryazev Agricultural Academy, Russia) **Evaluation of the effectiveness of graft of the family Solanaceae**
- **12:15-12:30** - *Gins M.S.* (All-Russian Research Institute of breeding and seed production of vegetable crops VNISSOK, Moscow, Russia), *Romanova E.V.* (РУДН), *Carlos Torres Miño* (Universidad Técnica de Cotopaxi), *Platonova S.Yu., Maria Marcela Cholokinga Chanaluisa* (RUDN University, Russia) **Biologically active substances of plants from Latin America**
- **12:30-12:45** - *Jean Paul Akossi* (RUDN University, Côte d'Ivoire) **Soybean variety trials in the savanna of Côte d'Ivoire**
- **12:45-13:00** - *Kolychikhina M.S., Beloshapkina O.O.* (Russian State Agrarian University - Moscow Timiryazev Agricultural Academy, Russia) **Use of an iodine-based product against potato viruses**
- **13:00-13:30** - **Coffee**
- **13:30-13:45** – *Romanova E.V.* (RUDN University, Russia), *Gins V.K., Gins M.S.* (All-Russian Research Institute of breeding and seed production of vegetable crops VNISSOK, Moscow, Russia), *Magashi A.I.* (Kano university of science and technology Wudil, Nigeria) **Influence of biological active substances on *Brassica chinensis L.* quantitative characters, content of some antioxidants and possible ways of increasing their quantity**
- **13:45-14:00** - *Tawfeek Ahmed Kaid Mohammed* (RUDN University, Yemen), *Haitembu Gerhard Shangeshapwako* (RUDN University, Namibia), *Semenov O.G.* (RUDN University, Russia) **The results of individual selection of the Allo cytoplasmic Soft, Spring Wheat genotypes depending on Gluten quality by using DNA molecular-makers**
- **14:00-14:25** – *Koi Kamssou, Ere Gaha Yakouma, Adoumadji Herve* (RUDN University) **The reaction of potato plants to fertilizer chloride and potassium sulfate on the sandy soils of the Voskresensky district of the Moscow region**
- **14:15-14:45** – *Anvar Gadzhikurbanov* (RUDN University) **Analysis of the dangerous metrological phenomena impact on the agriculture industrial complex of the Republic of Dagestan**
- **14:45-15:00** - *Pivovarov V.F., Gins M.S.* (All-Russian Research Institute of breeding and seed production of vegetable crops VNISSOK, Moscow, Russia) **Vegetables as raw material for the creation of functional foods**

## 2.2. SECTION «ANIMAL SCIENCE» (*moderator Eugene Kulikov, auditorium 344*)

- **11:00-11:15** - *Lozovoy D.A.* (FGBI “Federal Centre for Animal Health”, Russia) **Aggravation of FMD epidemic situation in middle east**
- **11:15-11:30** - *Elizarova O.S., Dinchenko O.I.* (RUDN University, Russia) **Horses' symptomatic colics, preconditioned by strongylatosis of the gastrointestinal tract**
- 11:30-11:45 - *Mikolenko O., Vatnikov Yu.A., Kulikov E.V.* (RUDN University, Russia) **Monitoring of feline urolithiasis**
- **11:45-12:00** - *Vatnikov Yu.A., Mikolenko O., Kulikov E.V., Sotnikova E.D., Parshina V.I.* (RUDN University, Russia) **Treatment mode of feline urolithiasis**
- **12:00-12:15** - *Fiorentina Palazzo* (Faculty of Bioscience and Technology for Food, Agriculture and Environment, University of Teramo), *Ramy Elgendy, Mary Giantin* (Department of Comparative Biomedicine and Food Science, University of Padua), *Federica Castellani* (Faculty of Bioscience and Technology for Food, Agriculture and Environment, University of Teramo), *Lisa Grotta* (Faculty of Bioscience and Technology for Food, Agriculture and Environment, University of Teramo), *Mauro Dacasto* (Department of Comparative Biomedicine and Food Science, University of Padua), *Giuseppe Martino* (Faculty of Bioscience and Technology for Food, Agriculture and Environment, University of Teramo) **Effect of Dietary Iodide, Zinc & Selenium on Gene Expression in sheep (*ovis aries*): a Nutrigenomic insight**
- **12:15-12:30** - *Marchetti S., Castellani F., Grotta L.* (Faculty of Bioscience and Technology for Food, Agriculture and Environment, University of Teramo), *Zitti G.* (ASL Teramo-Chemical and Microbiological Analysis Laboratory, Hospital “Maria S.S. Splendore”), *Palazzo F.* (Faculty of Bioscience and Technology for Food, Agriculture and Environment, University of Teramo), *Boldyreva E.M.* (University of Guelph, Department of Food Science), *Martino G.* (Faculty of Bioscience and Technology for Food, Agriculture and Environment, University of Teramo) **Effect of dietary iodine-supplement on milk and Caciotta quality**
- **12:30-12:45** - *F. Buccella* (Faculty of Bioscience and Technology for Food, Agriculture and Environment), *C. Pipino* (Department of Medical, Oral and Biotechnological Sciences, University “G. D’Annunzio”), *F. Castellani, L. Grotta, S. Marchetti* (Faculty of Bioscience and Technology for Food, Agriculture and Environment), *A. Pandolfi* (Department of Medical, Oral and Biotechnological Sciences, University “G. D’Annunzio”), *G. Martino* (Faculty of Bioscience and Technology for Food, Agriculture and Environment) **A potential *in vitro* model to evaluate the quality of bovine milk**
- **12:45-13:00** - *Khomenets N.G., Kondratev D., Rogozhkin R.* (RUDN University, Russia) **Features of import of agricultural products in Russia**
- **13:00-13:25** - *Krotova E.A., Seleznev S.B., Vetoshkina G.A.* (RUDN University, Russia) **The structure of quails’ reproductive system**
- **13:25-13:50** - *Seleznev S.B., Krotova E.A., Burykina L.P.* (RUDN University, Russia) **The structure of quails’ immune system**

**2.3. SECTION «LANDSCAPE ARCHITECTURE AND URBAN ECOLOGY»** (*moderator Tatyana Fedorova, hall №1*)

- **11:00-11:15** – *Dovletyarova E.A.* (RUDN University, Russia), *Mosina L.V.* (Russian State Agrarian University of Moscow Agricultural Academy by K.A. Timiryazev), *Plyushchikov V.G.* (RUDN University, Russia), *Petrovkaya P.A.* (RUDN University, Russia) **Soil-ecological characteristic of the Forest experimental station of Russian State Agrarian University of Moscow Agricultural Academy by K.A. Timiryazev under plantings in the conditions of various anthropogenous loading**
- **11:15-11:30** – *Dubrovina T.A.*, *Dovletyarova E.A.* (RUDN University, Russia) **"Green Architecture" waterfront of Tura river in Tyumen**
- **11:30-11:45** – *Abdegaliyeva A.E.* (RUDN University, Kazakhstan), *Zaykova E.Yu.* (RUDN University, Russia) **Wind protection macro-structure in the landscape**
- **11:45-12:00** – *Basanets D.*, *Dmitrieva A.G.* (RUDN University, Russia) **Comparison of the Russian and foreign experience of improvement of yard space in residential buildings in large cities**
- **12:00-12:15** – *Eliseeva N.*, *Fedorova T.A.* (RUDN University, Russia) **Application of environmental technologies in landscape planning on the example of Moscow**
- **12:15-12:30** – *Zhurkina E.*, *Eliseev I.*, *Fedorova T.A.* (RUDN University, Russia) **Allergic plants in landscape architecture and landscaping of the city**
- **12:30-13:00** – **Coffee**
- **13:00-13:15** – *Kordyukov P.S.*, *Osintseva M.S.* (RUDN University, Russia) **The principles of technological selection of plants for gardening of roofs of the European part of Russia**
- **13:15-13:30** – *Kurochkina A.* (RUDN University, Russia) **Sustainable landscapes as a modern approach to the development of the urban environment**
- **13:30-13:45** – *Rodionova D.*, *Zaykova E.Yu.* (RUDN University, Russia) **Native plants in an urban environment**
- **13:45-14:00** – *Sergeeva A.*, *Dmitrieva A.G.* (RUDN University, Russia) **Renovation of industrial territories**
- **14:00-14:15** – *Ryabova M.*, *Dovletyarova E.A.* (RUDN University, Russia) **Modern landscaping architecture of public areas for the case of the Sarapul city library improvement**
- **14:15-14:30** – *Sergeeva A.*, *Motorina Yu.V.* (RUDN University, Russia) **Space Crystal. Suggestion of green renovation of the territory**
- **14:30-14:45** - *Marat Tsablinov* (Southern Illinois University, USA) **Green Architecture**

**2.4. SECTION «GEOSPATIAL TECHNOLOGIES REMOTE SENSING AND LAND MONITORING»** (*moderator Anton Poddubsky, auditorium 319*)

- **11:00-11:15** – *Boreysha E.V.* (MGSU, Department of Engineering Surveying, Russia) **Data analysis geodetic monitoring strain dome design**
- **11:15-11:30** – *Simonyan V.V.* (MGSU, Russia) **On the method of calculating the force and acceleration landslide**
- **11:30-11:45** - *Sangare N.M., Savin I.Yu.* (RUDN University, Russia) **Suitability of soils in mali for the expansion of areas sown with cotton**
- **11:45-12:00** - *Prudnikova E.Yu., Savin I.Yu.* (Dokuchaev Soil Science Institute, RUDN University, Russia) **Relationships between soil line and soil properties**
- **12:00-12:15** – *Pertli I.R.* (Russian Federal State University of justice, Russia), *Sinenko V.A.* (RUDN University, Russia) **Pre-trial procedure settlement disputes on land tax**
- **12:15-12:30** – *Lipsky S.A.* (State university of land use planning, Russia) **Some legal problems of the involvement into economic turnover of unused agricultural lands**
- **12:30-13:00** - **Coffee**
- **13:00-13:15** – *Sinenko V.A.* (RUDN University, Russia), *Pertli I.R.* (Russian Federal State University of justice, Russia) **Court order of settlement disputes on land tax**
- **13:15-13:30** – *Feklistov D.Yu.* (RUDN University, Russia) **The results of satellite observations short baseline for the analysis of movements and deformations of the earth's surface**
- **13:30-13:45** – *Isroilova F.M., Kevorkov I.A.* (RUDN University, Russia) **Field studies of electronic total station**

**2.5. SECTION «AGRICULTURE ECONOMIC AND RISK-MANAGEMENT»** (*moderator Yuriy Elbaev, auditorium 330*)

- **11:15-11:30** – *Karavdin A.A.* (RUDN University, Russia) **To a question of government regulation of agro-industrial sector of the economy**
- **11:30-11:45** - *Makarova E.P.* (RUDN University, Russia) **Grain production in Russia**
- **11:45-12:00** - *Karavdin A.A., Sambros N.B.* (RUDN University, Russia) **Condition of the Russian seed production of vegetable crops**
- **12:00-12:15** - *Pizengolts Vladimir Mikhailovich* (RUDN University, Russia), *Zanzhang Chen* (RUDN University, China) **Models of social and production service of agriculture in the developed countries**

### 3. II RUSSIAN-GREEK CONFERENCE «STUDENTS FOR AGRICULTURE»

(moderators: Dimitrios Koveos, Peter Dokukin, Anastasios Dranidis, hall №2)

- **11:00-11:15** – *Alexandra Stefanidou, Maria Tompoulidou, Dionysios Grigoriadis, Eleni Dragozi, Dimitris Stavrakoudis, Ioannis Z. Gitas* (Aristotle University of Thessaloniki, Greece) **The Greek National Observatory of Forest Fires (NOFFi).**
- **11:15-11:30** – *Morteza Yousefichahardehi* (RUDN University, Iran), *Alexandr Nikishov* (RUDN University, Russia), *B. Abtahi* (Shahid Beheshti University, Iran) **Evaluation of some physico-chemical parameters of water in two medicinal leeches rearing systems**
- **11:30-11:45** – *Angeliki Ainalidou* (Aristotle University of Thessaloniki, Greece) **Synthetic cytokinin (CPPU): Effects on pollination process and on metabolism of kiwifruits.**
- **11:45-12:00** – *Mohomed-Rifthim Mohamed-Rifkham* (RUDN University, Sri-Lanka, Timiryazev institute of plant physiology RAS), *Alexander Tyurin* (Timiryazev institute of plant physiology RAS), *Kseniya Kabardaeva* (Timiryazev institute of plant physiology RAS) **Title of article: Vector Design for the Localization of an FAD gene in Different Compartments of Plant Cells to Improve Cold Stress Tolerance.**
- **12:00-12:15** – *Quimisse M.G.*, (RUDN University, Timiryazev institute of plant physiology RAS), *Elena Pakina* (RUDN University), *Kabardaeva K.V.*, *Alexandr Tyurin* (Timiryazev institute of plant physiology RAS, RSAU - MTAA named after K.A. Timiryazev), *Gra O.A.*, *Mustafaev O.*, *Sadovskaya N.S.*, *Goldenkova-Pavlova I.V.* (Timiryazev institute of plant physiology RAS) **Manipulation of 5'-untranslated regions (5'-utrs) as the new optimization algorithm of heterologous gene expression in plant-based systems.**
- **12:15-12:30** – *Aristotelis Batzios, Panagiota Sergaki and Irene Tzimitra-Kalogianni* (Aristotle University of Thessaloniki, Greece) **The Role of Short Food Supply Chains for the Farmers' Welfare in rural areas.**
- **12:30-12:45** – *Hassan G. I. Ali* (RUDN University, Egypt), *Ahmed M. A. Salman* (RUDN University, Egypt), *Ahmed A. A. Sallam* (RUDN University, Egypt), **Population dynamics of peach fruit fly, *Bactrocera zonata* (Saunders) in Fruit orchards in relation to weather factors.**
- **12:45-13:15** – **Coffee**
- **13:15-13:30** – *Barmpoutis, Panagiotis; Lefakis, Panagiotis* (Aristotle University of Thessaloniki, Greece) **Image processing for surface analysis of woods**
- **13:30-13:45** – *Parfe Kezimana* (RUDN University, Burundi), *Elena Romanova, A.Marakhova* (RUDN University, Russia) **Determination of hydrophilic substances in soybean seeds**
- **13:45-14:00** – *Christiana Koliouka* (Aristotle University of Thessaloniki, Greece) **The Contribution of Information and Communication Technologies in European Environmental Policy.**
- **14:00-14:15** – *Valeria Gresis* (RUDN University, Russia) **Organic technology of tea production at Black Sea coast of Krasnodar region**
- **14:15-14:30** – *E. Malliarou, I. Zacharopoulou and F. A. Aravanopoulos* (Aristotle University of Thessaloniki, Greece) **Performance and DNA fingerprinting of elite clones in short rotation intensive culture plantations (SRIC) for biomass production and carbon sequestration in Greece: meeting national targets**
- **14:30-14:45** – *Andrey Melnikov* (RUDN University, Russia) **Preparation of GNSS observation data for analysis of the Earth's surface deformations in a reference to strong earthquakes**

- **14:45-15:00** – *Evangelos Karagiannis, Michalis Michailides & Athanasios Molassiotis* (Aristotle University of Thessaloniki, Greece) **Current challenges in postharvest physiology of apple fruit ripening**
- **15:15-15:30** – *Razo, S. C.* (RUDN University, Philippines) **Effective Microorganisms Technology used in Different Aspects of Agriculture in Asia.**
- **15:30-15:45** – *Dr. Moulogianni Christina, Prof. Manos Basil* (Aristotle University of Thessaloniki, Greece) **Impact Assessment of Rural Development Plan measures**
- **15:45-16:00** – *Prokofiev Nikita* (GeoScan Company, Russia) **The use of unmanned aerial vehicles for applied problems of the national economy**
- **16:00-16:15** – *Orfanidou, C.G., Baltzi, A., Dimou, N., Katis, N.I., and Maliogka, V.I.* (Aristotle University of Thessaloniki, Greece) **Epidemiology and genetic diversity of cucurbit chlorotic yellows virus in Greece**
- **16:15-16:30** – *Vernyuk Yu.I.* (RUDN University, V.V. Dokuchaev Soil Science Institute, Russia), *Boev S.S., Kalitka S.S., Kallimulina A.A., Kolupaeva A.A.,* (RUDN University, Russia), *Mamaeva G.G.* (Dokuchaev Soil Science Institute, Russia), *Sharichev D.V.* (RUDN University, Russia), *Shepotiev D.V.* (Dokuchaev Soil Science Institute, Russia) **The appliance of unmanned air vehicles and georadar survey in remote sensing of field surface for educing the effect of water erosion on the soil**
- **16:30-16:45** – *Papaioannou Evgenia* (Aristotle University of Thessaloniki, Greece) **Soil and vegetation in oak forests and abandoned-adjacent fields of the Cholomon University forest at Chalkidiki.**
- **16:45-17:00** – *Golubenko V.A.* (State university of land use planning, Russia) **Innovative approaches to co-host the Volga educational practices on soil science and geology, land use planning for students of partner universities in the format of complex floating expeditions**
- **17:00-17:15** - *Eftihia Samara and Theodora Matsi* (Aristotle University of Thessaloniki, Greece) **Residual effects of liquid cattle manure and inorganic fertilizers application for several consecutive years on soil fertility.**
- **17:15-17:30** – *Igor Eliseev, Elizaveta Zhurkina, Tayana Fedorova* (RUDN University, Russia) **Allergic plants in landscape architecture and landscaping of the city**
- **17:30-17:45** - *G. Floros, A. Kokkari, O. Pliakou, N. Kouloussis* (Aristotle University of Thessaloniki, Greece), *T. Suzuki* (Chiba University, Japan) and *D.S. Koveos* (Aristotle University of Thessaloniki, Greece) **Spider mites move to the lower surface of the leaves to establish ultraviolet-B (UV-B) protection**
- **17:45-18:00** – *Bkhuban Bkhavish* (RUDN University, Mavriky), *Vasenev V.I.* (RUDN University, Russia) **Analysis of greenhouse gas fluxes on lawn ecosystem with a contrasting structure of soil profile**
- **18:00-18:15** - *Al-Azawi. Nagham.M.H.* (RUDN University, Iraq) **Seed germination of the Iraqi Wheat varieties (*Triticum aestivum* L.)**
- **18:15-18:30** - *Anfimova Maria Laura* (RUDN University, Russia) **The main aspects of the international training programs of economy of space activities and dissemination of knowledge in the field of space activities services**
- **18:00** – The closing ceremony of the conference.