



37th ESNA ANNUAL MEETING

Second Circular & Call for Papers

Invitation

The European Society for New Methods in Agriculture Research (ESNA), together with the Joint Institute for Nuclear Research (JINR), extends a cordial invitation to all colleagues in the field of agriculture and related sciences to participate in the 37th Annual Meeting of ESNA, which will be held from September 10 to September 14, 2007 in Dubna, Russian Federation. Some Post-Congress Field Trips are scheduled to enable those interested to visit historic picturesque places in Russia. Additionally, there will be Round Table Discussion and ESNA Committee Meetings during the period of the Congress.

Congress Program

The scientific program of the congress will include a series of Plenary and Keynote Lectures as well as Oral and Poster Presentations. A series of topical sessions will be arranged during the congress:

Environmental degradation and agriculture Symposium
Food preservation and safety (WG 1)
Advanced methods in animals sciences (WG 2)
Soil plant relationships (WG 3)
Plants genetics, breeding and physiology (WG 4)
Quality of agro-ecosystem (WG 5)
Plant crop protection and biotechnology (WG 6)



The Symposium/Workshop

A symposium/workshop dedicated to the thematique *Environmental degradation and agriculture* will be held during the congress. The chairperson of this symposium is Prof. G. V. Motuzova. The symposium talks include plenary and keynote lectures.

Plenary lectures

Prestigious speakers from Moscow State University, JINR and related scientific centers have been invited to deliver Plenary Lectures summarizing the latest advances in major areas of agriculture research and related fields:

1. **G. V. Motuzova**, Moscow State University
“Monitoring of agricultural lands in Russia”
2. **Yu. Kutlakhmedov**, National Academy of Sciences of Ukraine
“Ecological standardization of different pollutants with use of the theory and models of radiating capacity of ecosystems”
3. **M. S. Panin**, Semipalatinsk State Pedagogic Institute, R. Kazakhstan
“Ecological estimation of agricultural produce in the conditions under effect of technogenic biogeochemical province of Eastern Kazakhstan”
4. **V. A. Vetrov**, Institute of Global Climate and Ecology, RAS, Moscow
“Reduction of radioactive contamination of soil due to natural and man-made migration pathways of radionuclides”
5. **Yu. N. Vodianyitzky**, V.V. Dokuchaev Soil Institute, Moscow
“Study of soil chemical degradation by method of synchrotron X-ray analysis”

Keynote lectures

The ESNA members have been invited to deliver Keynote Lectures addressing important areas of agriculture research. They are S. Grego (Univ. of Tuscia), A. R. Brohi and K. Kılıc (Gaziosmanpaşa Univ., Agri. Fac.), F. Gradinariu (Institute of Public Health in Iasi), V. Licina (Fac. of Agri. in Belgrade), A. R. Weismiller (Univ. of Maryland), M. B. Oncsik (Research Institute for Fisheries, Aquaculture and Irrigation in Szarvas), A. Sechman (Agri. Univ. of Krakow), and C. Oprea (JINR).

Oral Presentations

Oral Presentations will be arranged in the three parallel sessions of the Working groups in the first two different days of the congress. Multimedia facilities and overhead projectors will be available for the presentations. It is required that at least one author of each oral presentation will be present at the congress site for presentation and discussion during the WG/WS session.

Poster Presentations

Poster Presentations will be organized and displayed during the Congress. Sufficient time and space will be available for discussion of the content of the posters. It is required that at least one author of each poster presentation will be present at the poster site for discussion during the poster session.

Research Reports

Recent Research Reports will include the latest results submitted by the participants and selected on the basis of short abstracts. Upon acceptance, the four-page synopsis of the reports will be published on the congress CD that will be available to the participants at the Congress site. The deadline for submission of report synopsis is September 3, 2007.

Participants who wish to present a paper are invited to submit an extended synopsis of four pages (on A4 size paper with a free margin of 2.5 cm all around) including tables and figures. The four-page synopsis should start with the Title of the paper in bold capital letter followed by the name(s) and affiliation(s) of the authors, and full address with phone number, facsimile number and email address of the corresponding author. It should then continue with a concise (about 100 words) Summary, a brief Introduction followed by a short Experimental Section, the main section Results and Discussion and, optionally, a brief Conclusion. A short list of relevant References may be given at the end. The text of the all paper should be typed single-spaced. Section headings should be left justified, typed in bold, capitalized letters and not numbered. Times New Roman font is recommended. The font size should be 12 points. Only plates with white-black photos and figures (JPEG or WORD files) can be accepted. The synopsis and full papers should be submitted to esna2007@jinr.ru.

Call for papers

The Congress Proceedings containing the full text of Plenary and Keynote Lectures as well as Oral and Poster Presentations will be published in The Journal “Problems of Biogeochemistry and geochemical ecology” after a scientific review. The international scientific journal “Problems in biogeochemistry and geochemical ecology” has been published since 1 January 2006 by the Semipalatinsk State Pedagogic Institute of the Republic of Kazakhstan. The journal editorial board includes well-known scientists from various countries of the world. The main topics of this scientific edition are global aspects of biogeochemistry; technogenesis and tendencies in biogeochemical evolution of the biosphere taxons; biogeochemical ecology of hydrologic systems; geochemical ecology of man and animals; problem of complex microelementoses and their prevention; geochemical ecology of soil, plants, micro organisms, fungi, insects; biogeochemical indication of the territory condition; new techniques to expose hypo- and hyper-microelementoses and other aspects. The area of the journal distribution is the Republic of Kazakhstan, CIS and other foreign countries. The journal is issued 6 times a year. It is published in Russian, Kazakh and English. All interested readers are invited to address Mikhail Semenovich Panin, tel. number 8 (3222) 422937/424941, mobile number 8 333 564 90 42, and send papers on the following address: 071410, Republic of Kazakhstan, Easter Kazakhstan region (EKR), Semipalatinsk, 1 Tanirbergenova Str., editorial-publishing department (room 410), e-mail: pur@sgpi.kz.

Terms for publication: The paper should be sent to the journal “Problems in biogeochemistry and geochemical ecology” in the amount of 15 pages of the A4 format, with font size 14; The paper should be accompanied with an abstract in English, if the paper is in Russian, and information about the author (surname, first and second name, scientific title, degree, position, home and office telephone numbers, e-mail address, fax number).

Language

English is the official language of the Congress. Some presentations given in Russian are also allowed by case-to-case and translated synchronously by the official translator of the congress, Dr. I. V. Kronshtadtova.

Important dates

Deadline for receipt of abstracts: June 30, 2007

Notification of acceptance: July 15, 2007

Deadline for receipt of report synopsis: September 7, 2007

Deadline for receipt of manuscripts: September 11, 2007 (at the congress registration desk)

Welcome reception: September 11, 2007

Gala dinner: September 12, 2007

Post-conference trips: September 13 - 18, 2007

Social Events

A welcome reception will gather the participants on the evening of September 11, 2007 (Tuesday). In the congress banquet in the evening of September 12 (Wednesday), there will be an entertainment show. In the afternoon and evening of September 13 (Thursday), there will be a 3 hours Congress excursion by boat on Volga River accompanied by a visit to the Ratmino estate and barbeque on Volga bank. Price: 20€.

An exciting accompanying person program will be arranged to provide participants and their companies an opportunity to enjoy Russian arts and entertainment. Three options for post congress excursions are proposed:

In 14 September to Sergiev-Posad, 10 hours. Visiting former center of Russian orthodoxy. Lunch included. Cost - 35 €. (maximum - 42 persons).

In 15 September to Moscow, 12 hours. Including a tour of Moscow by visiting Red Square of Kremlin, the "Alexandrovsky" garden, the "Jesus Christ the Savior" Chatedrale, "Old Arbat", and museums. Cold food packet. Cost - 35 €. (maximum - 42 persons).

From 15 September evening to 19 September to Sankt Peterburg. Bus from Dubna and back, accommodation in the center of town in the two-three stars hotels, visiting the Capital of the Russian Empire, The Hermitage, The Petergof Fountains, The Ekaterininsky Palace and Amber Chamber, etc. Cost - 225 €. (maximum - 42 persons).

Deadline for booking the excursions - 10 September. The [Form for Excursion](#) can be downloaded from the Congress site.

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Prof. G. V. Motuzova, Dr. I. Z. Kamanina (RF)

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WG4: Dr. E. M. Korobova (RF), Dr. M. V. Gustova (JINR)

WG5: Prof. V. A. Vetrov (RF), Prof. A. Brohi (TR), Prof. A. Mihul (RO)

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K. R. Astvatzaturova, K. I. Velikova (JINR)

Translator

Dr. I. V. Kronshtadtova

Preliminary programme ESNA – JINR 2007

Monday	September 10	18.00 - 21.00	Registration at the Dubna Hotel (ground floor)
Tuesday	September 11	08.30 - 09.30	Registration in the International Conference Hall of JINR (ground floor)
		09.30 - 10.30 10.30 - 11.30 11.30 - 12.00 12.00 - 14.00 14.00 - 15.00 15.00 - 18.00	Plenary Session (Main Hall) Symposium Session (Main Hall) Coffee break (Blue Hall) Symposium Session (Main Hall) Lunch Parallel sections WG1 (Yellow Hall); WG3 (Main hall); WG4 (Green Hall). Other groups: Professional visits to the JINR experimental facilities
Wednesday	September 12	18.30 – 20.00 20.00	Concert (Main Hall) Get together party (“Dubna” Party Hall)
		09.00 - 11.30 11.30 - 12.00 12.00 - 14.00 14.00 - 15.00 15.00 - 18.00 20.00	Symposium Session (Main Hall) Coffee break (Blue Hall) All groups: Poster session (All Halls) Lunch WG2 (Yellow Hall); WG5 (Main hall); WG 6 (Green Hall). Other groups: Professional visits to the JINR experimental facilities; ESNA Committee Meeting (Yellow Hall) Gala dinner at the “Dubna” Restaurant
Thursday	September 13	09.00 - 11.30 11.30 - 12.00 12.00 - 14.30 14.30 - 15.30 16.00 - 18.00	Symposium session (Main hall) Coffee break (Blue Hall) All groups: last session (All Halls) Lunch Closing Ceremony (Main Hall)
Friday	September 14	09.00 - 19.00	Excursions (on Volga River by ship, Sergyev Posad, Moscow, Sankt Peterburg)

Accommodation

All participants will be accommodated in the “Dubna” hotel. All hotel rooms are equipped with shower or bath and facilities (phone, TV, refrigerator). The payment is in Euro, credit cards are not accepted. However, credit cards can be converted in the cash machines in Dubna.

ESNA Awards

The 2007 ESNA Award will be given to young scientists for the most significant poster presentation to the working group thematique achieved from the previous ESNA Congress until the present Congress. Applications for the award should be discussed during the poster session.

Bursaries

Bursaries to cover a part of the costs of participation for students and special cases were assigned in the limits of available funding. They and will be provided at the Congress registration desk in Dubna.

Certificate of attendance

A Certificate of Attendance will be delivered to the participants in the Congress at the registration desk in Dubna upon request.

Internet connections

Wireless connections and a limited number of terminals will be provided.

Ad-hoc Meetings

Persons or groups requiring rooms for meeting should contact the Congress Secretariat, specifying their room requirements.

Correspondence

Dr. Cristiana Oprea

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6 Joliot-Curie Str., 141980 Dubna, RF
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E-mail: esna2007@jinr.ru

Travel information

Dubna is a small town on the Volga River, about 132 km north of Moscow. It can be easily reached via airplane and train.

The Local Organizing Committee will arrange transportation to the hotel "Dubna" and back for participants arriving at and departing from Moscow International airports: Sheremetyevo, Domodedovo and Vnukovo. Those wishing to be met at the airports should send flight details by e-mail. The Organizing Committee appreciates the earliest travel information and encourages participants to send it as soon as they have got it.

One can reach Dubna by train from Moscow railway station - Savelovskaya; there is also bus shuttle to Dubna from the same station.

If you arrive by plane at Sheremetevo 2 International Airport:

- To Sheremetevo 2 International Airport
- From the Airport there is possibility to take the "Lobnya" ("Лобня" in Russian) bus; departure from the front of the Airport, on the right site, one time per hour, the travel will take ca 20 min. until the "Lobnya" Railway Station. [The bus timetable is enclosed](#). The cost is about 30 rubles per trip (0.85€). From Lobnya by tren to Savelovskaya Railway Station (30 min. travel). Fare is about 50 rubles. [The train timetable is enclosed](#).
- From Savelovskaya Railway Station by train. Fare is ca 170 rubles by fast ("Expres") train and ca 140 rubles by "Elektrichka" train. The timetable is enclosed.

If you arrive by train at Kievsky International Railway Station:

- The Kievsky International Railway Station is situated in the center of Moscow. There is a possibility to take [subway](#) or taxi. The journey from the station to the Savelovskaya Railway Station takes about 15-20 min by subway and 20 minutes by taxi. Subway stations display a black letter "M". You can take a metro (brown line, direction Novoslobodskaya) and get off on the third stop and there change to station Mendelevskaya (on gri line), direction Savelovskaya (one stop). Subway fare - [15 r.](#) and taxi fare ca 400 r.

Timetable of trains

FROM Savelovskaya Railway Station to DUBNA Railway Station		FROM Savelovskaya Railway Station to MOSCOW Railway Station	
Departure from Moscow	Arrival at Dubna	Departure from Dubna	Arrival in Moscow
5:02	7:23	4:50	7:18
7:43	10:17	5:27	8:04
8:33 ^(w)	11:14 ^(w)	7:00	9:07
9:38 ^(wd)	12:13 ^(wd)	7:46	10:20
10:05^(w)	12:09^(w)	10:55	13:42
11:40 ^(w)	14:26 ^(w)	11:44 ^(w)	14:20 ^(w)
14:33	17:07	13:15^(w)	15:20 ^(w)
16:51	18:55	14:50	17:20
17:05	19:43	17:21	20:04
19:14	21:38	19:25	21:30
20:35	23:10	20:02	22:42
21:55	23:57	21:53	00:36
23:22	1:48		

In bold is given the timetable of fast train without stops from Dubna to Moscow (recommended)

^(w) - only at the weekends

^(wd) - only on the working days

Bus timetable

FROM DUBNA departure from Railway Station Dubna:

5:00, 9:25, 11:30, 12:30, 19:30

FROM MOSCOW departure from Railway Station Savelovskaya:

8:15, 11:30, 13:30, 14:30, 15:30, 16:20, 17:25, 18:00, 20:00, 21:00, 23:0