

**Sesiunea Științifică de Primăvară 2010  
a Academiei Oamenilor de Știință din România**

# "OMUL ȘI NATURA"

**21-22 Mai 2010, Stațiunea de cercetări agricole și Turism,  
Pădurea Comorova - NEPTUN  
Universitatea *Bioterra***

**TEMATICI ALE CONFERINȚEI:**

- *Solul: prevenirea și combaterea degradării lui*
- *Aerul și societatea industrializată*
- *Pădurile: evoluția și funcționalitatea lor*
- *Conservarea biodiversității*
- *Omul și calamitățile naturale*
- *Schimbările climatice globale și agricultura*
- *Evoluția demografică: resursele alimentare și de apă*
- *Agricultura durabilă – alternativă a viitorului*
- *Securitatea alimentară și calitatea vieții*
- *Surse energetice alternative*
- *Deșeurile – recuperare și valorificare*
- *Activitățile militare și natura: trecut, prezent și perspective*
- *Natura în gândirea laică și teologică*
- *Economia naturii*

## Program

### JOI 20 MAI 2010

16.00 – 19.00	PRIMIREA INVITAȚILOR
20.00	COCKTAIL

### VINERI 21 MAI 2010

8.00-9.00	MIC DEJUN – TERASA
9.30	DESCHIDERA LUCRĂRILOR SESIUNII
9.30 - 9,50	CUVÂNT DE DESCHIDERE
9,50 - 11,10	LUCRĂRI ÎN PLEN
11, 10 - 11,30	PAUZĂ DE C AFEA
11,30 – 13.00	LUCRĂRI PE SECTIUNI
13.00 - 14.30	MASA DE PRÎNZ
14.30 – 16.00	LUCRĂRI PE SECTIUNI
16.00 – 16.15	PAUZĂ DE CAFEA
16.15 – 18.00	LUCRĂRI PE SECTIUNI
18.30-19.30	CINA – TERASA

### SÂMBĂȚĂ 22 MAI 2010

8.00 – 9.00	MIC DEJUN – TERASA
10.00 - 11,30	LUCRĂRI PE SECTIUNI
11.30	ÎNCHIDERA LUCRĂRILOR SESIUNII
12.30	MASA FESTIVĂ

## VINERI 21 MAI 2010

	CUVÂNT DE DESCHIDERE
9.30	Vasile CÂNDEA, Președintele Academiei Oamenilor de Știință din România
9.37	Ion NICOLAE, Președintele secției de Științe Agricole, Silvicultură și Medicină Veterinară, Președintele Universității BIOTERRA
9.45	Victor CIUPINĂ, Președintele Filialei AOȘR Constanța,

<b>LUCRĂRI ÎN PLEN 9,50 - 11,10</b>			
<b>Chairman: Doru DELION</b>			
1	9.50 - 10.05	Global warming and International security	Constantin VLAD
2	10, 05 - 10.20	Study regarding the acclimatization and behavior of certain varieties of <i>asimina triloba</i> (l.) Dunal of Romania	Ion NICOLAE, Daniela Fănuța MIHĂILĂ, Cristina NEDIANU, Razvan COTIANU
3	10.20 - 10.35	Christian Perspective of environment in contemporaneity	Archbishop Nifon MIHĂIȚĂ
4	10.35 - 10.50	Fuel cell proton exchange membrane - present and perspectives	<b>Victor CIUPINĂ,</b> Eden MAMUT, Iuliana Mihaela OANCEA-STĂNESCU
5	11.50 - 11.05	Technological system of ecologic agriculture with vegetal species in pure culture or associated	Aurel LUP, Nicolae ALEXE
11, 05 - 11,30		PAUZĂ DE CAFEA	

## LUCRĂRI PE SECȚIUNI

<b>SECȚIUNEA I (FILOSOFIE - ECONOMIE)</b>			
<b>VINERI 21 MAI 2010</b>			
<b>LUCRĂRI 11,30 – 13.00, Chairman: Constantin VLAD</b>			
1	11.30 – 11.45	Psychological dimensions of the relationship between man and nature	Mihail GOLU
2	11.45 – 12.00	Earth – Mankind Bed	Marius BĂCESCU
3	12.00 - 12.15	Sustainable development in the context of the relationship „man – nature”	Ion BASGAN, Gabriel NĂSTASE
4	12.15 – 12.30	A possible division from the prefix "post-": <i>TRANS-NATURE</i>	Viorella MANOLACHE
5	12.30 – 12.45	The ecological common sense: traditional and discontinuity	Ana BAZAC
6	12. 45– 13.00	Ecosophia - political and philosophical aspects	Henrieta Anișoara ȘERBAN
<b>13.00 - 14.30 MASA DE PRÎNZ</b>			
<b>LUCRĂRI 14,30 – 16.00, Chairman: Mihai GOLU</b>			
7	14.30 – 14.45	Normal and pathological. interdisciplinary aspects	George CONSTANDACHE
8	14.45 - 15.00	The World - an Area of God's Presence and of Man's Work	Pr. Ștefan FLOREA
9	15.00 – 15.15	<b>A critical regarding argumental strategies in creative and evolutionistbiology</b>	Marius Augustin DRĂGHICI <b>Oana VASILESCU</b>
<b>10</b>	15.15 – 15.30	Anthropic reasoning in contemporary cosmology	<b>Gabriel NAGĂȚ</b>
<b>11</b>	15.30 - 15.45	Diversity management	Martha-Christina SUCIU
<b>12</b>	15.45 – 16.00	Ethetics -Psichotropic factor of health genesis	<b>Viorica E. UNGUREANU</b>
16.00 – 16.15 PAUZĂ DE CAFEA			
<b>LUCRĂRI 16,15 – 18.00, Chairman: Ion CUCUI</b>			
<b>13</b>	16.15 – 16.30	<u>The impact of human being morality on the environment</u>	Daniel FODOREAN

14	16.30 – 16.45	American declaration of the rights and duties of man. The dignity of human being	Constantin JURCĂ
15	16,45 – 17.00	A better using of the romanian natural resources with the aim of the environment protection	Mariana Daniela MARICA, Ion NICOLAE, Marian NICOLAE, Nicole Livia ATUDOSIEI
16	17.00 – 17.15	System of indicators on international comparability of human resources and labour resources	Angelica BĂCESCU - CĂRBUNARU
17	17.15 – 17.30	Some considerations on the food security-a decisive basic factor of the quality of life	Vladimir Alexandru ȚICOVSCHI
18	17.30 – 17.45	Nature as experienced - a theological phenomenology	Cristina GELAN
19	17.45 – 18.00	Global warming and tourism	Stan PETRESCU

<b>SĂMBĂȚĂ 22 MAI 2010</b>			
<b>LUCRĂRI 10.00 - 11,30, Chairman: Marius BĂCESCU</b>			
21	10.00 - 10.15	Man responsible	Petru ANDEA, Oana DULCA, Ioana MÎNZU
22	10.15 – 10.30	Horizons and changes in the new sustainable economy	Ion CUCUI, Ion STEGAROIU, Marius PETRESCU, Gabriela POPA
23	10.30 – 10.45	Bioterra university from Bucharest involvement in development ecotourism and agrotourism in Romania	Floarea NICOLAE, Mihai MARES, Daniela MIHAILA
24	10. 45– 11.00	Numerical codes tuned on the problem. A way for enhancing the efficiency of scientific codes	Liviu Gr. IXARU
25	11.00 – 11.15	Thomas Reid - founder of the naturalist doctrine of common sense in philosophy	Angela BOTEZ

<b>SECȚIUNEA II (BIOLOGIE – AGRICULTURĂ - MEDICINĂ)</b>			
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2	11.45 – 12.00	Anthropological reflection of the economy of the nature. Economic anthropology - informational behaviour	Cornelia GUJA
3	12.00 - 12.15	The role of the biodiversity in assessment of the Bicz Reservoir trophicity.	Ionel MIRON, Anca-Narcisa NEAGU, Mihai ERHAN, Carmen AONCIOAIE, Maria-Magdalena FUSU
4	12.15 – 12.30	The interdisciplinary treatment of the local strategy for sustainable development and the	Susana GEANGALĂU, Elena FLORESCU, Costache ANDONE,

		effect of the impact on the relationship man–nature	Vasile AVĂDĂNEI
5	12.30 – 12.45	The actual status of the western romanian plain flora and vegetation	Aurel ARDELEAN, Violeta TURCUȘ
6	12.45– 13.00	Utilization of baculoviruses in density control of <i>lymantria dispar l.</i> populations (hairy caterpillar of oak tree)	Mircea CIUHRII
13.00 - 14.30 MASA DE PRÎNZ			

**LUCRĂRI 14,30 – 16.00, Chairman: Gallia BUTNARU**

7	14.30 – 14.45	Natural rehabilitation processes of vegetation on the sterile waste dumps from coal exploitation	Mihaela CORNEANU, Daniel RADUTOIU, Gabriel CORNEANU, Anca LACATUSU, Luminita COJOCARU
8	14.45 - 15.00	Macroalgal flora from the romanian black sea coast in the last decade	Daciana SAVA Alexandru Șerban BOLOGA
9	15.00 – 15.15	Ecological reflection and action	Ionel MIRON
10	15.15 – 15.30	The complex of parasitoids which controls the populations of <i>Aphis fabae Scop.</i> (Homoptera, Aphididae)	<b>Gheorghe MUSTAȚĂ,</b> <b>Mariana MUSTAȚĂ</b>
11	15.30 - 15.45	Man and Biosphere	Gheorghe IONAȘCU
12	15.45 – 16.00	Climate change and extreme events	Vasile CUCULEANU Mărgărit PAVELESCU

**16.00 – 16.15 PAUZĂ DE CAFEA**

**LUCRĂRI 16,15 – 18.00, Chairman: Ionel MIRON**

13	16.15 – 16.30	A Wheat Collection Evaluation for Powdery Mildew Tolerance in Timisoara Field Conditions	Gallia BUTNARU
14	16.30 – 16.45	Dioecious hemp varieties developed from SCDA Lovin have large production capacity and low-THC	Valeriu TABĂRĂ, Camelia DUMA
15	16,45 – 17.00	Bakery dietetic assortments obtained by capitalization of byproducts of milk industry	Domnica CIOBANU, Luminita GROSU, Suzana GEANGALĂU
16	17.00 – 17.15	Study on fruit trees biodiversity conservation in Romania	Ion BOTU, Mihai BOTU, Doru PAMFIL, Iulia POP, Adina VICOL
17	17.15 – 17.30	The simulation of the biorithm at vine by software interpolation	Marian NICOLAE, Nicole ATUDOSIEI, Elena NICOLAE, Adrian DULUGEAC, Mariana MARICA
18	17.30 – 17.45	Forests – their evolution and functional character	Costache RUSU

19	17.45 – 18.00	Genetic identification of maize hybrids by monodimensional starch gel electrophoresis	Antonia IVAȘCU, Mirela Dana CÎNDEA
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21	10.00 - 10.15	Researches regarding a quantitative specific features variability for some cultivated varieties and clones in Dragasani vineyard	Ion NICOLAE, Daniela Fănuța MIHĂILĂ, Cristina NEDIANU, Mariana MARICA, Razvan COTIANU
22	10.15 – 10.30	Iatrogenicity - a present day problem	Virgil RĂZEȘU
23	10.30 – 10.45	Ecology and medicine. alteration of environmental quality and major mutations in human morbidity, in the context of promoting the concept of long-lasting development and of the technosphere – biosphere clash	Ioan IEȚCU, Vlad RĂDĂȘANU
24	10. 45– 11.00	A new era in treatment of tumor formations with entomological preparations (the entomotherapy)	Mircea CIUHRII, Veaceslav CIUHRII
25	11.00 – 11.15	Medicinal plants in biblical prescriptions	Elena IONESCU, Carmen TEBRENCU, Neculae ANTOHE
26	11.15	Biodiversity and UNESCO MAB Programme	Gheorghe IONAȘCU
<b>SECȚIUNEA III (MATEMATICĂ, FIZICĂ, TEHNICĂ, MILITARĂ)</b>			
<b>VINERI 21 MAI 2010</b>			
<b>LUCRĂRI 11,30 – 13,00, Chairman: Petru ANDEA</b>			
1	11.30 – 11.45	Study of heavy metals from environmental samples by atomic techniques.	Ion V. POPESCU, Cristiana RADULESCU, Claudia STIHI, Gabriela BUSUIOC, Anca Irina GHEBOIANU, Valerica Gh. CIMPOCA
2	11.45 – 12.00	Medicinal plants offals used in the depollution of the waste waters infested by hard metals	Neculae ANTOHE, Carmen TEBRENCU, Ramona VERDES, Gabriela MITROI, Elena IONESCU
3	12.00 - 12.15	The hydrogen – one of the alternative fuels	Ștefan IANCU
4	12.15 – 12.30	Assessment of soil density and moisture by nuclear methods	Dorel BUCURESCU
5	12.30 – 12.45	Impact of energetical engineering on health and environment	Ion CHIUȚĂ, Liviu Mihai SIMA
6	12. 45– 13.00	Sustainability trends while building with eco-friendly materials	Irina LUNGU, Anghel STANCIU, Nicolae BOȚI
<b>13.00 - 14.30 MASA DE PRÎNZ</b>			
<b>LUCRĂRI 14,30 – 16,00, Chairman: Ion CHIUȚĂ</b>			
7	14.30 – 14.45	Analytical evaluation of crack propagation for bulb hydraulic turbines shafts	Mircea O. POPOVICU, Ilare BORDEASU, LIVIU MARSAVINA
8	14.45 - 15.00	Influence of great hydraulic works upon nature and mankind	Mircea O. POPOVICU, Petru ANDEA,

			Georgeta NICHITA, OANA DULCA
9	15.00 – 15.15	Wood, renewable resource of green energy	Ivan CISMARU
10	15.15 – 15.30	Forest species used in phytoremediation process	Gabriel CORNEANU, Constantin CRĂCIUN, Mihaela CORNEANU, Luminita COJOCARU, Cornelia HERNEA
11	15.30 - 15.45	The seismic phenomenon in the carpatho-danubian-pontic region and their consequences on the behaviour of inhabitants of these parts	Dan Ion PREDOIU
12	15.45 – 16.00	Disasters and the world insurance	Nicu-Bogdan POPA
16.00 – 16.15 PAUZĂ DE CAFEA			

<b>LUCRĂRI 16,15 – 17.00, Chairman: Ion V. POPESCU</b>			
13	16.15 – 16.30	Mathematical methods for the optimization of the aeolian energies with applications in hydro-aerodynamics	Mircea LUPU
14	16.30 – 16.45	<b>Environmental security - component of national security foreshadowing of ecologic elements content in national security strategy</b>	Constantin MINCU
15	16,45 – 17.00	The Influence of Geo-Climactic Factors on Military Actions	Nicolae CIOBANU

## 2010

21-22 Mai 2010, Neptun – Pădurea Comorova, Universitatea *Bioterra*

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- Solul: prevenirea și combaterea degradării lui
- Aerul și societatea industrializată
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- Conservarea biodiversității
- Omul și calamitățile naturale
- Schimbările climatice globale și agricultura
- Evoluția demografică: resursele alimentare și de apă
- Agricultura durabilă – alternativă a viitorului
- Securitatea alimentară și calitatea vieții
- Surse energetice alternative
- Deșeurile – recuperare și valorificare
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- Natura în gândirea laică și teologică
- Economia naturii

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**VINERI 21 MAI 2010**

**LUCRĂRI 11,30 – 13.00, Chairman: Petru ANDEA**

1	11.30 – 11.45	Study of heavy metals from environmental samples by atomic echniques.	Ion V. POPESCU, Cristiana RADULESCU, Claudia STIHI, Gabriela BUSUIOC, Anca Irina GHEBOIANU, Valerica Gh. CIMPOCA
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**13.00 - 14.30 MASA DE PRÎNZ**

**LUCRĂRI 14,30 – 16.00, Chairman: Ion CHIUȚĂ**

7	14.30 – 14.45	Analytical evaluation of crack propagation for bulb hydraulic turbines shafts	Mircea O. POPOVICU, Ilare BORDEASU, LIVIU MARSAVINA
8	14.45 - 15.00	Influence of great hydraulic works upon nature and mankind	Mircea O. POPOVICU, Petru ANDEA, Georgeta NICHITA,

			OANA DULCA
9	15.00 – 15.15	Wood, renewable resource of green energy	Ivan CISMARU
10	15.15 – 15.30	Forest species used in phytoremediation process	Gabriel CORNEANU, Constantin CRĂCIUN, Mihaela CORNEANU, Luminita COJOCARU, Cornelia HERNEA
11	15.30 - 15.45	The seismic phenomenon in the carpatho-danubian-pontic region and their consequences on the behaviour of inhabitants of these parts	Dan Ion PREDOIU
12	15.45 – 16.00	Disasters and the world insurance	Nicu-Bogdan POPA
16.00 – 16.15 PAUZĂ DE CAFEĂ			
LUCRĂRI 16,15 – 17.00, Chairman: Ion V. POPESCU			
13	16.15 – 16.30	Mathematical methods for the optimization of the aeolian energies with applications in hydro-aerodynamics	Mircea LUPU
14	16.30 – 16.45	<b>Environmental security - component of national security foreshadowing of ecologic elements content in national security strategy</b>	Constantin MINCU
15	16,45 – 17.00	The Influence of Geo-Climactic Factors on Military Actions	Nicolae CIOBANU