

**THE PROTOCOL  
FOR THE “JACQUES BENVENISTE AWARD” SESSION  
OF THE 10th INTERNATIONAL CONFERENCE “COSMOS AND BIOSPHERE”**

**1. The Program and Organizing Committee on 10th International conference “Cosmos and Biosphere” accepted decision to form a Work Award Committee (WAC) for Benveniste Association Awarding of the best reporters. The members of the Committee, chaired by the Chief of Program Committee, are:**

1. Victor Martynyuk (Chief) (Ukraine)
2. Alexander Trofimov (Russia);
3. Vladimir Voeikov (Russia);
4. Boris Vladimirsky (Ukraine);
5. Vincenzo Valenzi (Italy-Switzerland)

**2. After discussion the members of WAC accepted the next criteria for awarding:**

- a) reported scientific works must be devoted a study of mechanisms of influence of low intensity factors on biological system;
- b) one of the basic idea of the reports must be following: water and water solutions and the living processes are the “sensors” of low intensity physical and chemical factors;
- c) results of works must explain possible mechanisms of influence of earth and cosmic weather on biological and physic-chemical processes;
- d) scientific works must be perspective for future investigations;
- e) to make a 1 first premium (1500 USD), 2 second premiums (1000 USD), 2 third premiums (500 USD), 5 fourth premiums (400 USD).

**3. The following participant of the Conference was awarded:**

**1 first premium**

**Elena Chuyan** (Taurida National V.I. Vernadsky University, Simferopol, Ukraine)

*Reports:*

**THE TIES BETWEEN THE INFRADIAN RHYTHMIC OF THE PHYSIOLOGICAL PROCESSES IN AN ORGANISM AND THE HELIOGEOPHYSICAL VARIATIONS UNDER THE INFLUENCE OF THE LOW INTENSIVE MM-WAVE ELECTROMAGNETIC MICROWAVE RADIATION**

**2 second premiums for contribution to the development of science**

**Simon Shnol** (Institute of Theoretical and Experimental Biophysics of RAS, Pushchino, Moscow region, Russia)

**Vlail Kaznacheev** (International Scientific-Research Institute of Cosmic Anthropoecology, Novosibirsk, Russia)

**2 third premiums**

**Lydia Gall** (Institute for Analytical Instrumentation of RAS, St. Petersburg, Russia)

*Report:*

**ROLE OF WATER IN ACTION COSMOPHYSICAL FACTORS ON THE EARTH'S BIOTA**

**Victor Panchelyuga** (Institute of Theoretical and Experimental Biophysics of RAS, Pushchino, Moscow region, Russia)

*Report:*

**LOCAL FRACTAL ANALYSIS OF TIME SERIES NOISE-PERIODS RANGING FROM 1 - 100 MIN.**

**5 fourth premiums**

**Giuseppe Quartieri** (Environmental Cycles and Italian Scientist Movement, Italy)

*Report:*

**BACTERIA: PHOTOSYSTEMS IN EXTREME CONDITIONS AND SYSTEM REATIONS**

**Marina Ravaeva** (Taurida National V.I. Vernadsky University, Simferopol, Ukraine)

*Report:*

**ROLE OF NITRIC OXIDE IN THE ANTI-STRESS ACTION OF LOW INTENSITY ELECTROMAGNETIC RADIATION OF EXTREMELY HIGH FREQUENCY**

**Nataliya Yarmolyuk** (Taurida National V.I. Vernadsky University, Simferopol, Ukraine)

*Report:*

**BEHAVIOUR OF RATS EXPOSED TO LONG ELECTROMAGNETIC SHIELDING**

**Nataliya Khorseva** (Federal State Institution of Science "Institute of Biochemical Physics named by N.M. Emanuel of Russian Academy of Sciences"; Federal State Institution of Science "Space Research Institute of Russian Academy of Sciences", Moscow, Russia)

*Report:*

**AUDIO-MOTOR REACTION AND THE ASTROPHYSICAL FACTORS: INDIVIDUAL, LOCAL AND GLOBAL EFFECTS**

**Sergei Petukhov** (Czech Republic)

*Report:*

**TECHNOLOGICAL REVOLUTION IN ANCIENT EGYPT 3500-2300 BCE: COMMUNICATION PEAKS OF INNOVATION WITH LONG MINIMUM SOLAR ACTIVITY**

Chief of Award Committee



Victor Martynyuk

Chief of Program Committee  
of the 10<sup>th</sup> International  
Conference "Cosmos and Biosphere"



Boris Vladimirsky