



After eight years of **HYDROISOTOPE MONITORING** of weak and strong **EARTHQUAKES** at Lake Baikal, Irkutsk scientists have approached the possibility of **PREDICTION OF EPICENTERS** of future seismic events. **P. 6**

**SEISMOTOMOGRAPHIC** study of the active **EBEKO VOLCANO** can provide the town of Severo-Kurilsk with low-cost **GEOTHERMAL ENERGY** instead of imported fuel oil. **P. 22**

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**NATURAL DISASTERS**

**06** *M. A. Grachev, S. V. Rasskazov*  
Lake Baikal:  
Earthquakes Can Be Predicted

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**ENCYCLOPEDIA OF EXPEDITIONS**

**22** *S. Z. Smirnov, I. Yu. Koulakov*  
Mission Possible:  
to Hear the Breath of Ebeko

*Pseudomonas aeruginosa*, a nosocomial pathogen, has learnt to steer the synthesis of **ANTI-INFLAMMATORY OXILIPINS** in the infected human to weaken the host's **IMMUNE ATTACK**. **P. 46**

“And here is another **PREDICTION** – we will discover **BACKGROUND GRAVITATIONAL RADIATION**, whose source was the Universe in the early periods of expansion” (Pavel Amnuel, 1971). **P. 64**

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**ORIGIN AND EVOLUTION OF LIFE**

**46** *G. F. Kurakin, A. M. Samoukina*  
Oxylipins: Evolution of Biochemical  
“Esperanto”

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**NATURAL PHENOMENA**

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Future of Science: Discoveries –  
Expected and Unexpected

**82** Metronome

