

## **TO THE PROBLEM OF COSMIC PRESERVATION OF THE EARTH IN CONNECTION WITH COSMIC BOMBING**

1ZEILIK B.S., 2SYDYKOV K.Z. Institute of Geology Sciences, Almaty; 2GEOTEX, Almaty, Kazakhstan

It is common knowledge that the density of the Lunar seas craters is 30 times lower than their density on the continents. This could be viewed as evidence of the completion of intensive cosmogenic bombardment of the Moon prior to formation of Lunar basalt that are 3.6 - 3.9 billion years of age. Similar assumption is applicable to the Earth. However, from the moment of the Moon formation near the Earth or capture of the Moon by the Earth an overwhelming mass of cosmic bodies that fall on the this double-planet should collide with the Earth since the center of gravity of the double-planet is located within the Earth at a depth of about 2000 km. Since the Moon turns permanently to the Earth its seafront the opposite side of the Moon mainly should relatively occasionally undergone the cosmogenic bombardment. Relevant calculations support the assumption and they demonstrate that the flow of the cosmic bodies towards the Earth-Moon double-planet is considerably high in Phanerozoic. This represents a rather serious threat to civilization. Prevention of potential cosmic catastrophes is a noble mission of the nuclear weapon possessing countries. Identification of frequency and regularity of cosmogenic bombardments of the recent past, using their imprints in the evaporate-free sedimentary basins is a major geological and geophysical task of the moment.