

Vol. 11 (2): 205-210 (2021)

**CHARACTERISTICS OF VEGETATION STRUCTURE AND ITS
POSSIBLE DESTRUCTIONS AT CONSTRUCTION OF BOREHOLES
FOR GAS EXPLORING AND EXTRACTION (*Illustrated by Gas Yields in
Irkutsk Region*)**

Alexander Sizykh^{1*}

^{1*}*Siberian Institute of Plant Physiology and Biochemistry SB RAS, 664033, Irkutsk, 132, Lermontova str., Russia;*

*Corresponding Author Alexander Sizykh, e-mail: alexander.sizykh@gmail.com;

Received November 2020; Accepted December 2020; Published March 2021;

DOI: <https://doi.org/10.31407/ijeess11.202>

ABSTRACT

Involving of new territories not used before into different industry forms including construction of boreholes for gas exploring requires detailed revealing and comprehensive analysis of physical-geographic and environmental conditions of concrete territories. It concerns especially easily destroyable components of biota (a biome) such as vegetation cover. Underestimation of the specifics of structural-dynamic organization of phytocoenoses in concrete ecotopes can result in the destruction of vegetation up to its complete decay. Using one of gas-bearing area in Irkutsk Region, we tried to make possible characteristics of vegetation spatial stratigraphy and its responses to some impacts while constructing boring holes under existing environmental conditions.

Key words: phytocoenoses, vegetation structure, vegetation belts, ecotopes, gas-bearing area, gas exploring and extraction, Irkutsk region, East Siberia