LICENO INDICATION OF ATMOSPHERIC AIR POLLUTION

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Currently, lichens are most often used for biological monitoring, due to their high sensitivity to pollution and widespread distribution.

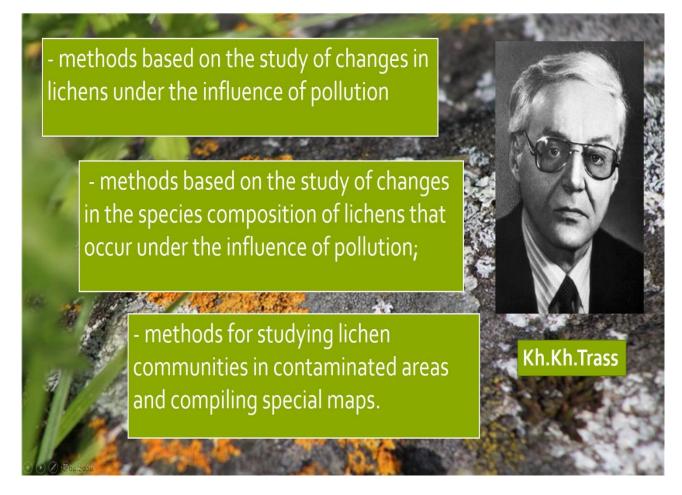
Lichens are unable to release accumulated toxic substances into the environment that cause irreversible changes in them.



Due to industrial emissions, in highly industrialized cities, the species diversi-ty of lichens is reduced, and the remaining ones are used to assess the an-thropogenic load.



There are various methods of lichen indication, but all of them were divided by H.H. Trass into several groups, depending on the subject of study.



Lichens undergo various structural and morphological changes under the influence of pollutants, accumulating them in their structures.



All lichens react differently to pollutants, depending on their reactions, they are divided into several groups.



1) the most sensitive, disappearing at the first symptoms of pollution;

2) medium-sensitive, replacing dead sensitive species with which they could not compete while the air was clean;





3) the most hardy, to pollution (scale lichens from the genus lekanora and leafy from the genera xanthoria and fiscia).