

**THE USNIC ACID ENANTIOMER CONTENT
IN *FLAVOCETRARIA CUCULLATA* (PARMELIACEAE) THALLI
FROM CERTAIN REGIONS OF YAKUTIA**

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SUMMARY

The dependence of the usnic acid accumulation from the growth conditions of lichens *Flavocetraria cucullata* from certain regions of Yakutiya were discussed in the work. The content of usnic acid in lichen thalli growing in the Northern (Arctic) part of Yakutiya was significantly higher than in lichens growing in Central and South Yakutiya. The greatest portion of (+)-enantiomer of usnic acid was found in the lichen samples collected in the Arctic part of Yakutiya, the lowest one in the samples from South Yakutiya. Geographic variability of the content of usnic acid in *F. cucullata* lichens and the ratio of its two enantiomeric forms probably plays role in the adaptations that contribute to the growth of this species in different climatic conditions of Yakutiya.

Keywords: *Flavocetraria cucullata*, usnic acid, enantiomers, geographic variability, Yakutiya.