



Correction to: Polypore fungi of Caucasian alder as a source of antioxidant and antitumor agents

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In the original publication of the article, the section 'Conclusions' was not included. The paragraph is given below.

Conclusions

As determined various fungi live on Caucasian Alder trees including *Ganoderma applanatum*, *Lenzites betulina*, *Trichaptum bifforme*, *Rigidoporus ulamrius*, *Fomes fomentarius*, *Schizophyllum commune*, *Auricularia mesenterica*, and *Trametes versicolor*. The highest amounts of betulin and betulinic acid were obtained in *Ganoderma applanatum* (3.642%) and *Schizophyllum commune* (1.413%), respectively. The lowest amount of both compounds were in *L. betulina*. All tested fungi had high antioxidant activity. The highest amounts of phenol (719.993 mg/ml) and flavonoids (361.403 mg/ml) were found in the ethanolic solvent associated with *G. applanatum* fungus. It seems that due to high growth rate of fungi, low production cost and the special benefits of betulin and betulinic acid in particular, there is a good prospect for the production of various drugs from these resources.

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