

## **INSTITUTE OF GEOLOGY OF THE CAS, v. v. i.**

Committee for the defence of doctoral  
dissertation  
of Olga Ivanovna Kadebskaya

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Perm State University  
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Your letter:

Our No.: 636/2017

Praha May 4, 2017

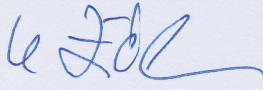
Response to the "Outline of doctoral dissertation" by Olga Ivanovna Kadebskaya

Dear Colleagues,

I read with a great interest the outline of doctoral dissertation (thesis) of Olga Ivanovna Kadebskaya. I had the opportunity to follow her presentations at several international conferences during the last few years and to observe the way she was improving the methods of research and acquiring unique new knowledge on secondary cave minerals, especially on the cryogenic ones – those formed during water freezing in caves. She became the leading expert in cryogenic mineralogy of gypsum caves and when I was putting together the team of authors to write a chapter on cryogenic cave minerals into a new general monograph book on ice caves of the world, she was my first choice as a co-author for ice caves in gypsum. The cooperation was very intensive, successful, and resulted in a chapter which has been accepted for print and will be published by the Elsevier Publishing House.

The outline of the thesis I read follows a usual format and style and clearly reviews what the candidate did and what results were achieved. Besides the cave cryogenic mineral topic, which was already partly published in English and is accessible internationally, also some other parts of the dissertation are of international importance and should be published not only in Russian journals, but also internationally. This applies, for instance, to the estimates of the former permafrost extent. Some of the objects observed (soft-type speleothems including not only moonmilk but also other types) are unique. Also the part of the study focused on phosphate minerals in caves is important and valuable.

In my point of view the dissertation has a high scientific value and I hope for its successful defence.

  
RNDr. Karel Žák, CSc.

Scientist at the Institute of Geology of the Czech Academy of Sciences, v. v. i.

Confirmation:

This response to the "Outline of doctoral dissertation" by O.I. Kadebskaya was prepared at the Institute of Geology of the Czech Academy of Sciences, v. v. i.

Director of the institute Prof. RNDr. Pavel Bosák, DrSc.

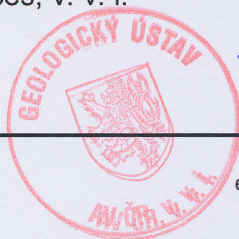
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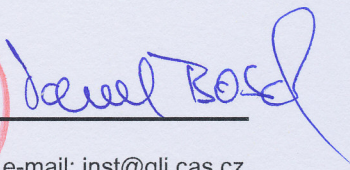
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