

**REVIEWER'S FORM
for thesis evaluation**



1. Identification of the student

Student:	Kristen Balogh
Thesis:	The Effects of Bird Excrements on Copper and Bronze
1 st Institution:	UPC Barcelona/UNIPD Padova
2 nd Institution:	Czech Technical University in Prague
Academic year:	2016/2017

2. Identification of the reviewer

Name:	Dipl. Ing. Hana Geiplova
Institution:	SVÚOM s.r.o.
Position:	Research senior

3. Fulfillment of thesis goals

excellent above aver. average below aver. weak

Comments: The objectives of the thesis were very broad. They are focused mainly on the corrosion process caused by bird excrements on copper and bronze. All planned items had been fulfilled.

4. Academic/scientific/technical quality

excellent above aver. average below aver. weak

Comments: The results are affected by composition of the bird excrement, which are very variable. They may be influenced from point of seasons or bird food. Additional influence may be caused by bird species. This effect is not mentioned in this study, only pigeons are included. The results are affected by short experimental time, too. In study the many experiment techniques had been used to identify and evaluate corrosion attack.

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5. Formal arrangement of the thesis and level of language

excellent above aver. average below aver. weak

Comments: Thesis is clearly divided in the chapters. Thesis includes many figures, graphs and tables documenting obtain results. Comments to them are sufficient. There are many references in thesis but most of them are focus on the effect of bird dropping on stone materials. Language of native English student is quite well.

6. Further comments

Real compositions of dropping from different seasons and kind of birds may cause different corrosion attack for copper, bronze, zinc, etc. Additionally, obtained results show different behaviour of artificial and natural birds dropping. On the obtained results of this study I recommended to continue in this research topic.

I agree with recommendation of student – better imitate of real birds dropping, longer time for testing and better arrangement of test panels. I recommended to publish a survey of results because the number of references to this topics are very low.

7. Grade: A (excellent)

Use the following scale

A (excellent)	B (very good)	C (good)	D (satisfactory)	E (sufficient)	F (fail)
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Prague

July 18, 2017

The Reviewer,

Hana Geiplova