

# CZECH UNIVERSITY OF LIFE SCIENCES PRAGUE

Faculty of Tropical AgriSciences

## Evaluation of the Diploma Thesis by Opponent

Thesis Title **Spatial and behavioural segregation between *Agama agama* and *Agama weizholdi* living in sympatry in Southern Senegal**

Name of the student **Ing. Michal Semrád**

Thesis supervisor **doc. Francisco Ceacero Herrador, Ph.D.**

Department **Department of Animal Science and Food Processing**

Opponent **Ing. David Lastra González**

Formulation of the aims	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Choice of suitable methods	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Fulfilment of the aims	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Scientific contribution of the thesis	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Originality of the thesis	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Theoretical background of the author	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Handling with data and information	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Handling with scientific literature (citations)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Argumentation and critical thinking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Abstract and keywords	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Structure of the chapters and paragraphs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Comprehensibility of the text	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Accuracy of the terminology	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Quality of scientific language	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Formatting, layout and general impression	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Evaluation of the work by grade (1, 2, 3, 4)					<b>4</b>

Evaluation: 1 = the best

Date 07/06/2020

.....  
Signature of Opponent

**Other comments or suggestions:**

The scope of the study is clear. Methodology is really poor and not ambitious. Terminology of latin names is continuously misspelled, as well geographic terms. There are repetitive parts in the thesis that are not following a continuous thread along the text. Insufficient bibliography.

Several graphs are not self-explanatory. Main task of the thesis like calculation the degree of similarities lacks of any justification. The hypothesis is not clear and H0 and H1 are not explained. Phylogenetic assumptions are totally wrong. Statistical statements are done without any explanation and other just wrong. Fulfillment of hypothesis is quite doubtful and some contradictions are present.

**Questions for thesis defence:**

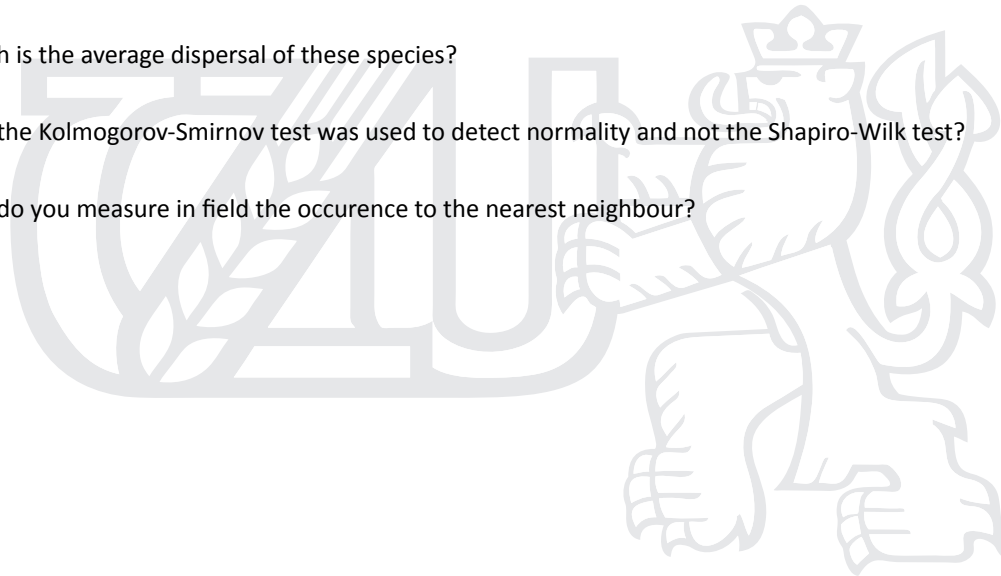
Q1- Could you explain me what it is the difference between geographical and strictly demic sympatric speciation?

Q2- How do you know that your individuals were independent are not counted repetitively.

Q3- Which is the average dispersal of these species?

Q4- Why the Kolmogorov-Smirnov test was used to detect normality and not the Shapiro-Wilk test?

Q5- How do you measure in field the occurrence to the nearest neighbour?



Date 07/06/2020

.....  
Signature of Opponent