

# CZECH UNIVERSITY OF LIFE SCIENCES PRAGUE

Faculty of Tropical AgriSciences

## Evaluation of the Diploma Thesis by Opponent

Thesis Title **The Socio-Cultural Importance of Mangrove forest and Implications for Multi-Use Management in Sheran Sandy Bay Sirpi Community in Nicaragua**

Name of the student **B.Sc. Maynor Carias**

Thesis supervisor **doc. Ing. Zbyněk Polesný, Ph.D.**

Department **Department of Crop Sciences and Agroforestry**

Opponent **doc. RNDr. Václav Zelený, CSc.**

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fulfilment of the aims	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Abstract and keywords	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Structure of the chapters and paragraphs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>
Quality of scientific language	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Formatting, layout and general impression	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Evaluation of the work by grade (1, 2, 3, 4)				<b>4</b>

Evaluation: 1 = the best

Date 05/30/2017

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Signature of Opponent

**Other comments or suggestions:**

The thesis topic is interesting not only from the point of view of conservation of traditional ecological knowledge in marginal ecosystems but also regarding the plans of technical project of construction of canal intersecting Nicaragua which will affect among other ecosystems also the Nicaragua Lake. This effort could lead to enormous devastation of coastal mangrove ecosystem which is biologically as well as ecologically unique biocenose developed in brak-ish waters. Moreover, these ecosystems plays an important role in daily life of the local people living on "Costa de Miskitos". Therefore it is necessary to conserve these ecosystems and scientific research is significantly contributing to conservation efforts.

Basic mistake of the author is almost complete absence of full citations in the reference list. Therefore by my opinion this thesis is not fulfilling the formal requirements for MSc theses. Especially in the literature sources I miss the book title Jeník J. 2014. Root system of tropical trees. Liberec, Botanická zahrada. This book should be recommended by the thesis supervisor.

The thesis has also several other serious shortcomings. By my opinion the aims of the thesis were not fulfilled. The key species and relevant collected data should be presented in the form of table. It would be also useful to provide quality pictures of all the species investigated in frame of the thesis. The pictures which are presented at the appendices are of low quality and their relevance is disputable. Also in theses of this type it is always useful to present the questionnaire used for the data collection. Other two specific aims is possible to consider as partially fulfilled. From geographical point of view author could also mention the other river systems in Nicaragua, i.e. Río Wawa or Bambana where also mangrove ecosystems occur.

Thesis has many typographical errors and not all Latin names are italicized.

According to the above mentioned comments I evaluate the thesis as insufficient.

**Questions for thesis defence:**

1. Where are located the largest mangrove forests in the world and what are the most typical plant species in this area?
2. Express your opinion on possibilities of mangrove forests' conservation in Central America?

Date 05/30/2017

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