**Thesis (PHD) Evaluation Form**

It is the coordinator/student’s responsibility to distribute this form along with their thesis to each member evaluator of the thesis. After the evaluation, the form should be submitted to the PhD director by email. (Prof. Beniamino Cenci Goga Dipartimento di Medicina Veterinaria, via San Costanzo 4, 06124 Perugia Italy. Tel + 39 075 5857929; email beniamino.cencigoga@unipg.it)

**Student's Name: TOPPI VALERIA**

**Degree: PhD TITLE OF THESIS/DISSERTATION:**

**Study of hemp derivates as innovative non-conventional antimicrobials in Veterinary Medicine**

**Rating range A-D (ex.A = excellent B = good C = sufficient)**

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| --- | --- | --- |
| Category | Rating |  Comments |
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| Research Questions/Set-up  |

 | A | The research approach is consistent with the subject matter and shows considerable organisational ability. The structure of the entire thesis is decidedly good and denotes scientific rigour typical of someone who already has a fair amount of experience in publishing. |
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| Literature Review  |

 | A | The scientific literature considered for the thesis is consistent and up-to-date and takes into account what is available in the reliable scientific landscape. |
|  Methodology | A | The methodologies to which the candidate refers are rigorous and always clearly described. |
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| Analysis/Presentation of Results  |

 | A | The results are relevant and always clearly presented; tables and graphs are comprehensive and self-consistent. |
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|  Discussion/Implications  |

 | A | The discussions and application implications of the resulting investigations and results are extensive and show a mature critical evaluation. |
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|  Quality of Writing  |

 | A | Although I am aware that I am not in a position to judge the level of English, I find the thesis to be clearly written, understandable and with appropriate technical terminology in every section. |
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|  **Overall Rating**  |

 | A | Having to give an overall assessment of the candidate's thesis work, this can only be excellent. |
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Additional Comments:

I would just like to add a comment as a note of credit for deciding to investigate, among other things, the antibacterial activity of seed extracts, which, unlike essential oils, are usually less investigated, but which have remarkable biological properties.

Signature: Print name: Filippo Fratini



***Please review the attached evaluation guidelines and provide your assessment below.***

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| --- | --- |
| **Criteria**  | **Grade Descriptive Anchors**  |
| **Research Question/Set-up**  |

|  |  |
| --- | --- |
| A  | Includes clear description of the issue, identifies gaps in scientific knowledge and/or provides justification for the current research study.  |
| B  | Research questions clearly articulated and sufficient background information included.  |
| C  | Lacks a focused research question and importance is not completely justified.  |

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| **Literature Review**  |

|  |  |
| --- | --- |
| A | Identifies relevant research and literature and accurately summarizes and integrates the information.  |
| B | Cites major works and places them in context.  |
| C | Fails to cite or assimilate previous works.  |

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| **Methodology**  |

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| --- | --- |
| A  | Demonstrates clear understanding and proper use of methodology, identifies relevant strengths and weaknesses of methods used.  |
| B | Demonstrates proficient knowledge of methodology and gives justification for selection of methods.  |
| C | The methodology is not well appropriate for study and understanding is not clearly demonstrated.  |

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| **Analysis/** **Presentation of Results**  |

|  |  |
| --- | --- |
| A  | Results interpreted in light of proposed research question and existing literature. Includes alternative explanations and instructional tables and graphs.  |
| B  | Results clearly summarized, discussion of results focused and tied to research question.  |
| C | Presentation lacks focus, tables are unorganized, and results produce no insight into proposed question.  |

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| **Discussion/ Implications**  |

|  |  |
| --- | --- |
| A | Clearly summarizes the key information gained from the study and describes advancement of knowledge or new insights on an issue.  |
| B | Discussion of results focused and connected to research questions. Implications for future research discussed.  |
| C | The new knowledge gained from the study and implications of the study are not clearly discussed.  |

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| **Quality of Writing**  |

|  |  |
| --- | --- |
| A | Ideas expressed with very good clarity, logic, and conciseness.  |
| B | Coherent presentation with limited typos and grammatical errors. Logical progression of thought within overall thesis and within each section.  |
| C | Significant parts difficult to understand, numerous errors. Repetition, poor organization of ideas, and poor writing hinders reader understanding.  |

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