



**Universitat de Lleida**  
Departament de Tecnologia,  
Enginyeria i Ciència d'Aliments

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To the Evaluation Committee,

I am writing to express my strong recommendation for awarding a distinction to the thesis titled "New Methodological Solutions for the Determination of Health-Promoting Compounds and Assessments of the Possibility of Using Kaffir Lime (*Citrus Hystrix*) Fruit Waste as Raw Materials for Industrial Purpose" by Martyna Lubinska-Szczygel, MSc. This recommendation is based on a thorough review of the thesis, which showcases exceptional scientific rigor, innovation, and significant contributions to the field.

Firstly, the thesis addresses a timely and relevant research topic, focusing on the innovative utilization of Kaffir lime fruit waste. The title accurately reflects the research scope, and the abstract provides a concise and comprehensive overview of the objectives, methodology, and key findings. The research is contextualized well, with a robust literature review that identifies existing gaps and aligns them with the study's goals.

The structure of the thesis is logically organized and content presented in a clear, coherent manner. The candidate demonstrates a strong command of the subject matter, and the inclusion of tables, graphs, and images enhances the clarity and comprehensibility of the research. The references cited are current and pertinent, underscoring the candidate's engagement with contemporary research alongside foundational works.

The methodological approach is at the cutting edge of scientific inquiry. The research methodology is meticulously designed and executed, employing advanced data collection and analysis techniques. Notably, the candidate's work on the instrumental analysis of health-promoting compounds and the innovative application of fruit waste in the food and cosmetic industries stand out as significant contributions to the field.

The thesis's results have been validated through publication in peer-reviewed journals, reflecting the high quality and impact of the research. It is noteworthy that the candidate has achieved 11 peer-reviewed publications, with six as the first author, underscoring her leadership and expertise in the research. This level of publication is extraordinary and indicative of the thesis's scientific merit.

In summary, Martyna Lubinska-Szczygel has presented a thesis that is both innovative and methodologically sound, making substantial contributions to scientific knowledge and practical applications. The quality of the research, the clarity of presentation, and



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the significant publication record collectively merit the awarding of a distinction.

I strongly recommend that this thesis be awarded a distinction, reflecting the outstanding work and the high standards achieved by the candidate.

Sincerely,

Robert Soliva-Fortuny  
Full Professor  
Departament de Food Technology, Engineering and Science  
University of Lleida