

A report on Juliana Vanessa Cardoso Azevedo, the author of thesis

"Manufacturing of Blends based on Biopolyesters and Polylactides: Process-induced Structure and Properties"

I am writing in support of Juliana Vanessa Cardoso Azevedo, a doctoral candidate at the Faculty of Technology, TBU in Zlín, pursuing studies in the Tools and Processes program.

The dissertation topic "Manufacturing of Blends based on Biopolyesters and Polylactides: Process-induced Structure and Properties" reflects her dedication to exploring the complexities of this specialized area. In essence, studying the manufacturing of blends based on biopolyesters and polylactides provides insights into creating environmentally sustainable materials with versatile properties, thus contributing to addressing contemporary challenges in waste management, resource conservation, and sustainable development.

Juliana Azevedo has methodically compiled her research into a monograph based a thematic collection of papers in reputable journals. Notably, three articles have been published in a Q1 journal according to WoS, signifying the quality and relevance of her research outputs. Additionally, she has two submissions under review in high-quality (Q1) journals, further showcasing her commitment to disseminating her scholarly insights.

Juliana Azevedo has shown competence in her coursework, covering crucial subjects such as physics of polymers, material for packaging, and instrumental methods in analytics and testing of polymers. This knowledge has contributed to the depth of understanding in her field of study.

What's particularly commendable is her ability to manage doctoral research alongside full-time employment as an engineer at BioFED in Cologne, Germany. This practical experience undoubtedly adds depth to her academic endeavors. Her internship at Hochschule Bonn-Rhein-Sieg under the guidance of Prof. Christian Dresbach also provided her with valuable hands-on experience in the ThermoAnalysis Lab.

Overall, Juliana Vanessa Cardoso Azevedo has shown commendable dedication and competency in conducting research while balancing professional commitments. I believe she has successfully contributed to the envisioned research objectives outlined in her doctoral thesis and is well-prepared to defend the dissertation.

I am confident that Juliana Vanessa Cardoso Azevedo possesses the necessary skills and knowledge to excel in the doctoral defense and will continue to make meaningful contributions to the academic community.

In Zlín November 30, 2023

Berenika Hausnerova

supervisor