Prof. João B. P. Soares  
Editor-in-Chief  
Canadian Journal of Chemical Engineering

27.05.2024

Dear Professor Soares,

Subject: Submission of the manuscript entitled "Supercritical fluid extraction of essential oil from chamomile flowers: modelling and parameter estimation"

I am writing to submit our manuscript entitled "Supercritical fluid extraction of essential oil from chamomile flowers: modelling and parameter estimation" for consideration for publication in the Canadian Journal of Chemical Engineering. This manuscript has not been published and is not being considered for publication elsewhere.

The study delves into the supercritical fluid extraction of chamomile flower essential oil, employing a comprehensive modelling approach backed by experimental data obtained under varying operating conditions. Chamomile is a medicinal herb widely cultivated in southern and eastern Europe, including countries such as Germany, Hungary, France, and Russia. It can be found outside Europe, for instance in Brazil. Chamomile has been used for its medicinal benefits, serving as an anti-inflammatory, antioxidant, mild astringent, and healing remedy. Aqueous extract of chamomile is widely used to calm nerves and mitigate anxiety, hysteria, nightmares, insomnia and other sleep-related conditions.

This manuscript will begin a series of articles utilizing the presented results. We believe this work aligns with the main scope of the Canadian Journal of Chemical Engineering.

We appreciate your consideration of our work for publication and await your valuable feedback. Please do not hesitate to contact us for any further information or clarification regarding our submission.

Thank you for considering our manuscript.

Sincerely,

Oliwer Sliczniuk Pekka Oinas



Doctoral researcher Professor

School of Chemical Engineering

Aalto University

Finland