Highligths of the manuscript: "*Local Sensitivity Analysis of a Supercritical Extraction Model*" by Sliczniuk and Oinas.

* The study investigates the supercritical carbon dioxide extraction of chamomile oil, employing a parameter-distributed mathematical model to describe mass transfer phenomena between solid and fluid phases
* Derivative-based local sensitivity analysis was utilized to evaluate the influence of small changes in the operating conditions on the system dynamics
* The analysis reveals that the system is most responsive at lower pressures, attributed to rapid changes in solvent properties near the critical point