

Supplementary material

Valorization of Ferulic Acid from Agro-Industrial by-Products for Application in Agriculture

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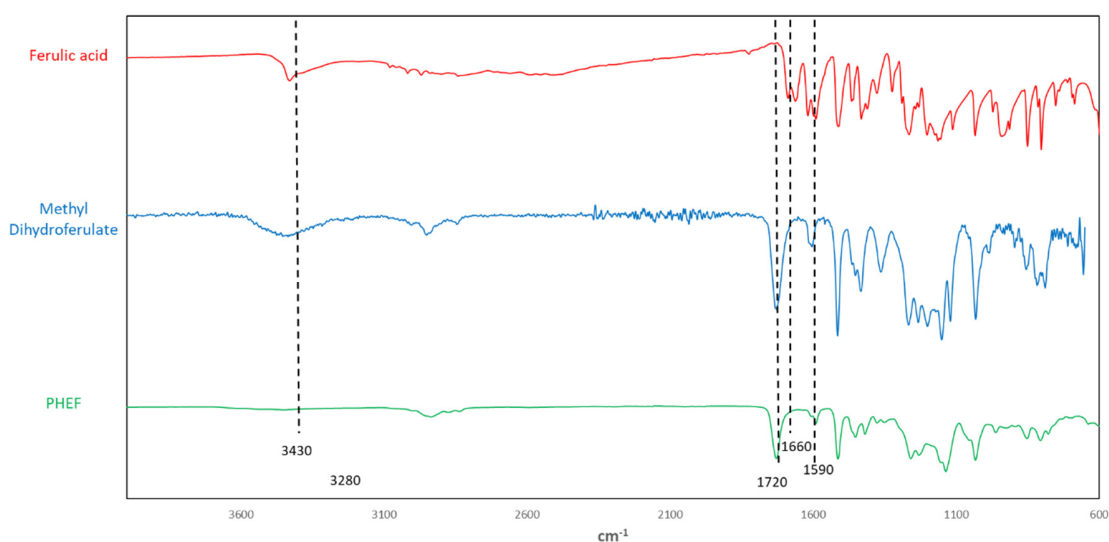


Figure S1. FT-IR of ferulic acid (FA), Methyl dihydroferulate, and Poly-dihydro (ethylene ferulate) (PHEF).

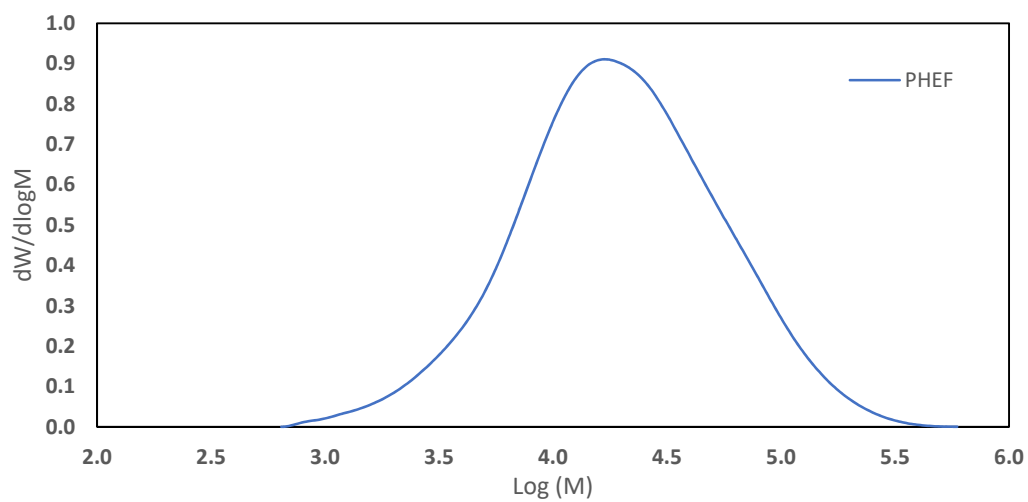


Figure S2. SEC analysis of PHEF

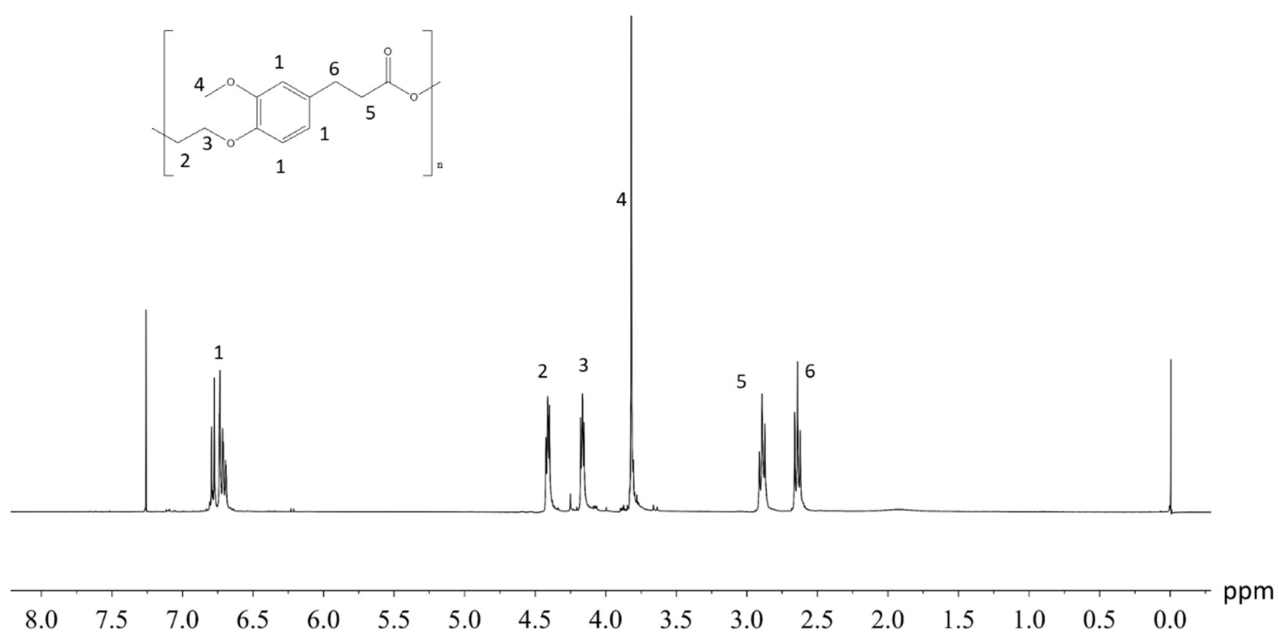


Figure S3. ^1H -NMR of Poly-dihydro (ethylene ferulate) (PHEF).

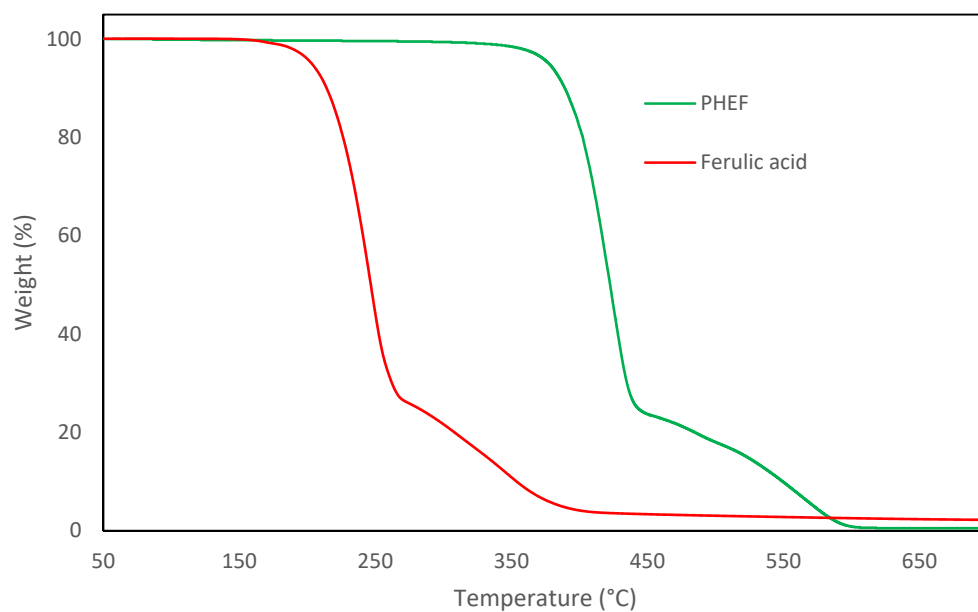


Figure S4. TGA of ferulic acid (FA), and Poly-dihydro (ethylene ferulate) (PHEF) under air atmosphere.

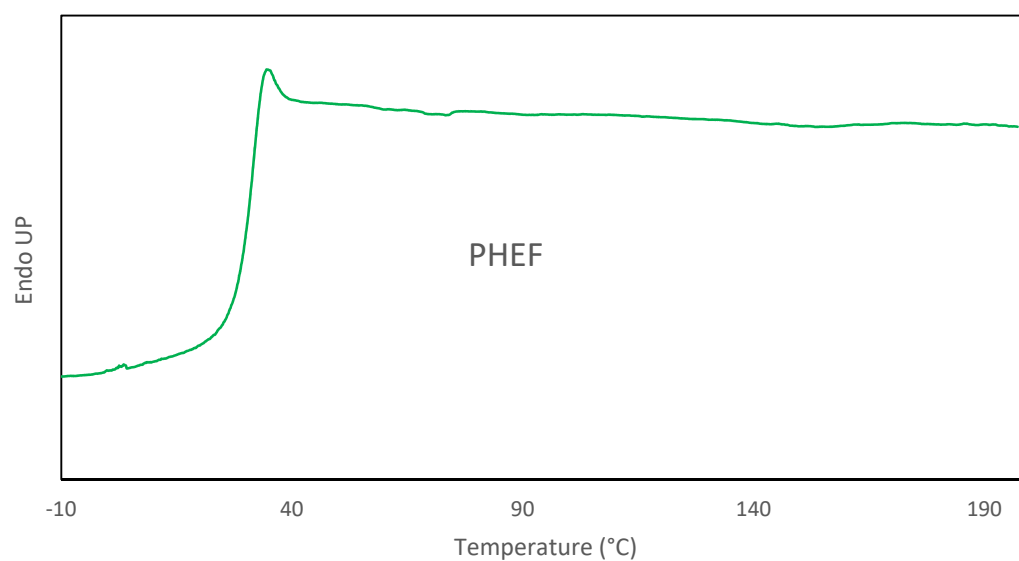


Figure S5. DSC analysis for Poly-dihydro (ethylene ferulate) (PHEF).

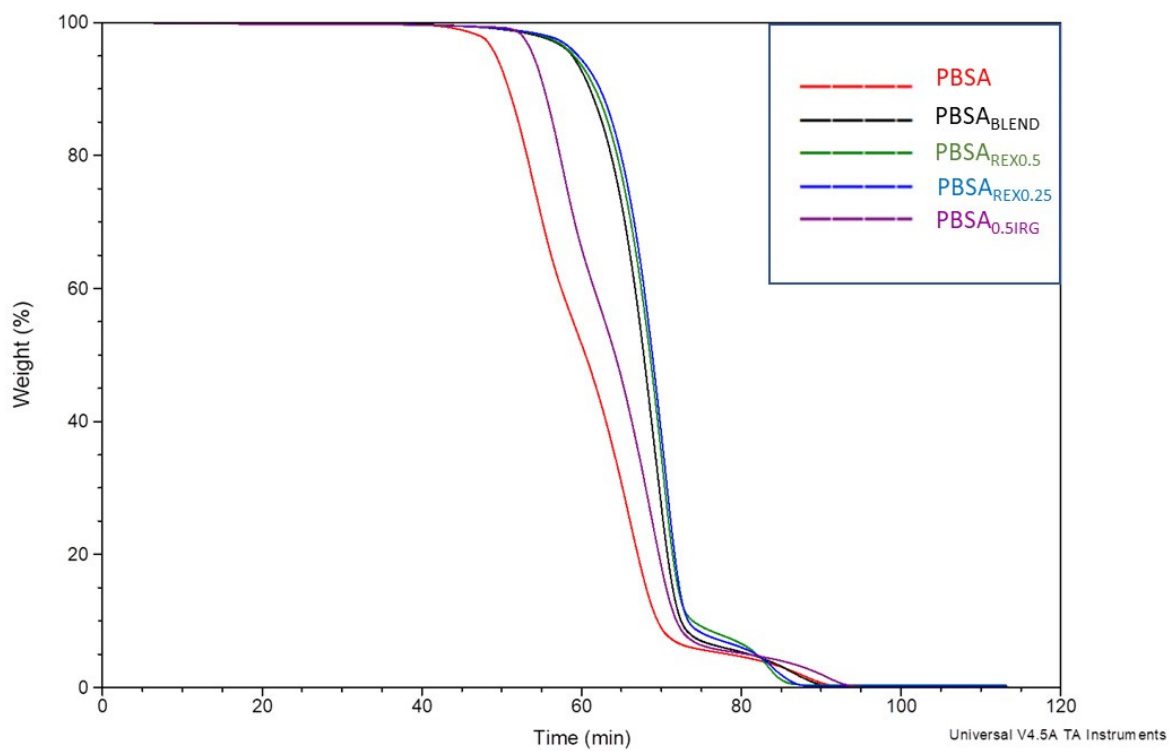


Figure S6. TGA curves of PBSA formulations: weight loss vs time.

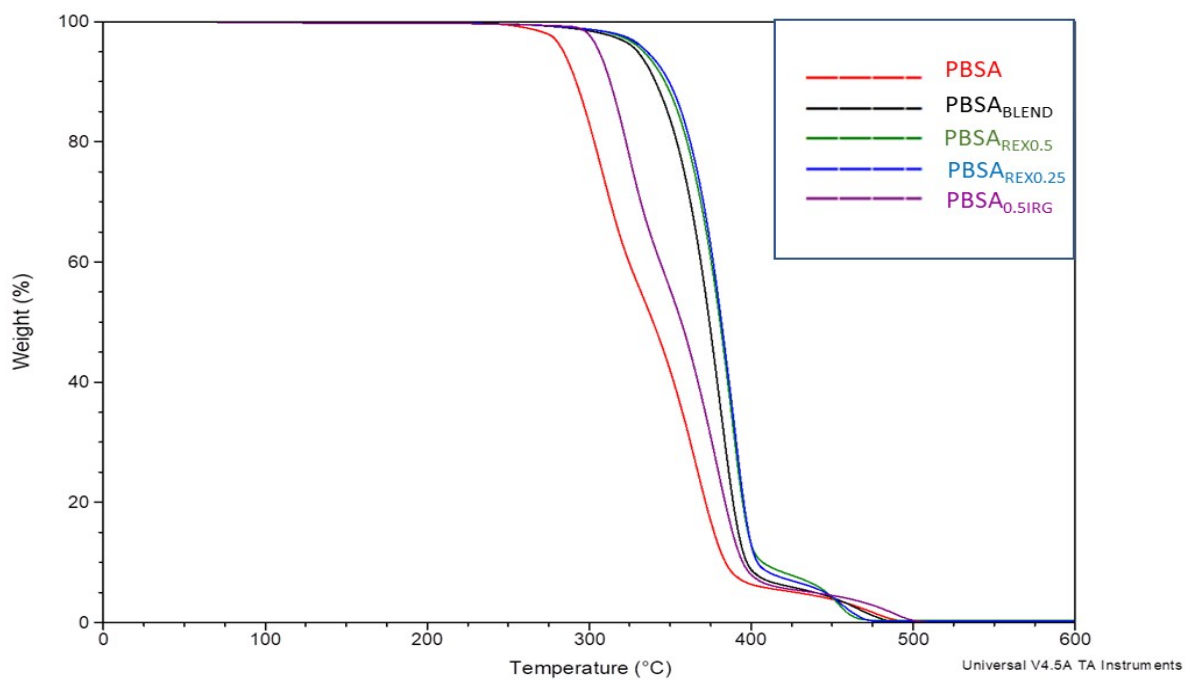


Figure S7. TGA curves of PBSA formulations: weight loss vs temperature.