

Multi-omics reveals total flavones from *Abelmoschus manihot* (L.) Medik. [Malvaceae] ameliorate MAFLD via PI3K/AKT/mTOR-mediated autophagy

Peizheng Shi

This session presents the hepatoprotective effects of total flavones from *Abelmoschus manihot* (L.) Medik. [Malvaceae] (TFA) against Metabolic-associated fatty liver disease (MAFLD). Using multi-omics, animal and cell models, we demonstrate that TFA inhibits PI3K/AKT/mTOR signaling to activate autophagy, reducing hepatic lipid accumulation, inflammation, oxidative stress and fibrosis, supporting TFA as a potential candidate for MAFLD treatment.