



Showcasing research on the anti-aging function and metabolic regulation of *Cyclocodon lancifolius* fruit from Professors Cunli Zhang and Qiang Zhang's laboratory, College of Chemistry & Pharmacy, Northwest A&F University, Yangling, China.

*Cyclocodon lancifolius* fruit prolongs the lifespan of *Caenorhabditis elegans* via antioxidation and regulation of purine metabolism

We investigated the potential health benefits of *Cyclocodon lancifolius* berry extract (CF) in *Caenorhabditis elegans*. Bioassays on stress resistance, lifespan, reproduction, mobility and oxidative stress demonstrated the anti-aging features of *C. lancifolius* berry. CF can decrease the levels of lipofuscin and ROS related to the critical genes *mtl-1*, *Hsp-16.2*, *age-1*, *daf-2*, and *akt-1*. Metabolic profiling revealed that lifespan extension was also correlated to purine metabolism.

### As featured in:



See Cunli Zhang, Qiang Zhang *et al.*, *Food Funct.*, 2024, **15**, 3353.