

# Graphical abstract



*Tetragonisca fiebrigi*



Propolis from *T. fiebrigi*



Ethanol extract of propolis

## Antimicrobial activity

- Gram-positive bacteria
- Gram-negative bacteria
- Fungi

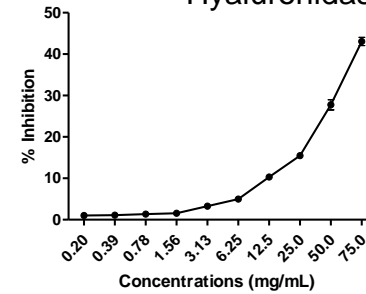
## Antioxidant activity

- Scavenging free radicals
- ↓ hemolysis
- ↓ Lipid peroxidation in human erythrocytes



## Anti-inflammatory activity

Hyaluronidase enzyme



## Cytotoxic activity – K562 cells

