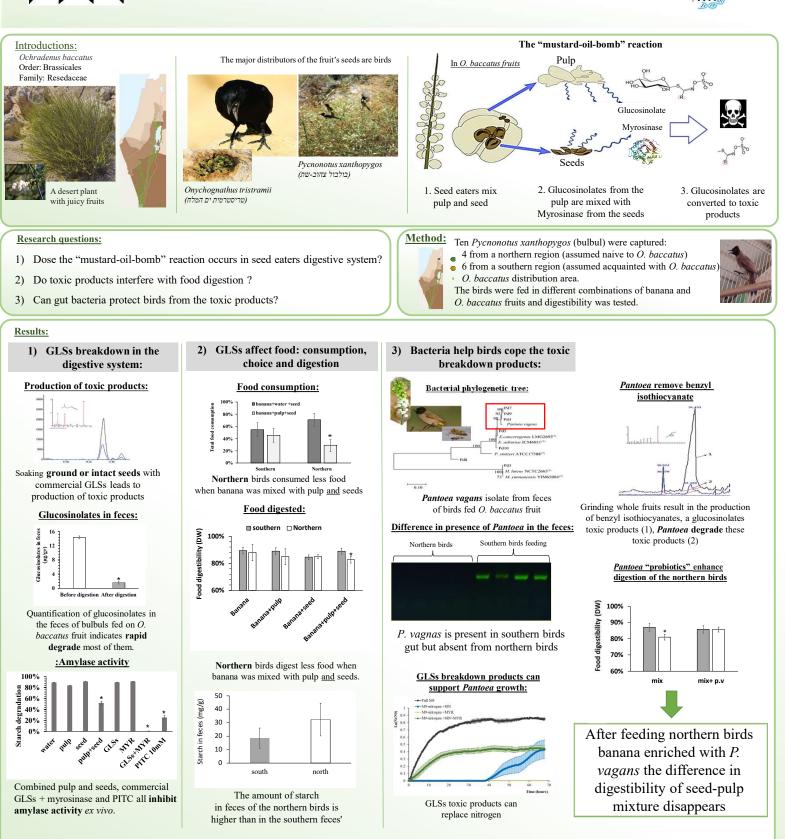
Gut bacteria disarm the Ochradenus baccatus fruits "mustard-oil-bomb"

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Conclusions:

- 1. Bird naive to the O. baccatus fruit digests less of the pulp and seeds mixture compared to O. baccatus acquainted birds.
- 2. The difference in digestion can be explained by glucosinolate breakdown products inhibition of the amylase activity.
- 3. The bacterium *Pantoea vagans* resides in the gut of birds accustomed to *O. baccatus*. This bacterium can degrade and utilize the glucosinolates toxic products'.
- 4. Introduction of *P. vagnas* to the gut micro biota of *O. baccatus* naive birds remedies their inability to digest *O. baccatus*.