**Data description**

Folder VETdata

VEThoney02.mat – Matlab file

Each matrix contains 5 voltammograms for each addition of synthetic honey.

abm – anodic, before mineralization UV

cbm - cathodic, before mineralization UV

aam – anodic, after mineralization UV

cam - cathodic, after mineralization UV

y – synthetic honey additions

Folder DLdata

f\_c01 - photos for all concentrations of artificial honey made on a white background

f\_c04 - photos for all concentrations of artificial honey made on a cyan background

The last two digits in the \* .zip file name indicate the concentration of the added synthetic honey.