Review of: "Developing a Novel Solvent System to Separate Polar and Nonpolar Leaf Pigments of Copperleaf (Acalypha wilkesiana) Using Thin Layer Chromatography"

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Potential competing interests: No potential competing interests to declare.

I find the article interesting, because this is a common problem when working with plants.

The article can be published, but it brought some suggestions:

1- In table 1 page 6. 80% isopropyl alcohol-20% water – in the same line it is reported that “The red spot did not move at all” and then “Even though all the spots moved (including the red one)” a red spot moved or not?

2- Page 10. “The absorbance values of xanthophylls and β-carotene were low, but characteristic peaks for both were obtained from the UV-Vis spectroscopy spreading from 350-500 nm”. How was it identified in figure 3 (panel D) who was xanthophyll and who was β-carotene?

3- Page 14. “The only exception to this was when β-carotene moved separately with n-hexane as the mobile phase”. For what reason? It would be nice to explain.

4- Page 14. “The differences in properties of cellulose and silica, as well as the texture of the mobile phase, might have played a key role here”. What are these properties? It would be nice to explain.