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American Journal of Food Technology Title: Storage Properties of Oils of Two Nigerian Oil Seeds *Jatropha curcas* (Physic Nut) and *Helianthus annuus* (Sunflower)Author: [F.O. Abulude](#), [M.O. Ogunkoya](#) and [R.F. Ogunleye](#)

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Abstract: Oils of *Jatropha curcas* and *Helianthus annuus* stored at ambient conditions for four months in four different containers (polythene, glass, metal and plastic bottles) were sampled at one month interval for physico-chemical properties. Increases were noted in all the containers as follows: Free fatty acid (0.72-1.02 and 0.6-1.14%), peroxide value (0.2-1.86 and 0.23-0.44 mEq kg<sup>-1</sup>), iodine value (1.40-11.50 and 6.20-14.20), acid value (13.00-50.00 and 36.00-59.00 mg KOH g<sup>-1</sup>) for *Jatropha curcas* and *Helianthus annuus*, respectively. No container effect on the color, dirt/sediment, specific gravity and reflective index of the oils was apparent. All parameters were closed in the limits for oils edited by Codex Alimentary Commission.

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