Antiviral synergism and GC/MS analysis of seed oils of West African Plants

Garcinia kola Heckel (Clusiaceae)

and Aframomum melegueta K. Schum (Zingiberaceae)

Odimegwu, Joy Ifunanya and Asabisi, Olatunde
Department of Pharmacognosy, Faculty of Pharmacy. College of Medicine Campus. PMB 12003 Idi-araba.
Surulere. Lagos. Nigeria
Contact: 234 8170140519
jodimegwu@unilag.edu.ng or jodimegwu@hotmail.com

Medicinal plants are increasingly being projected as suitable alternative sources of antiviral agents. There is need for rapid identification of potential bioactive components of plant parts. Also standardization and/or pharmacokinetic–pharmacodynamic profiling of the bioactive components is key in this area especially for this class of natural compounds. Garcinia kola (Gk) and Aframomum melegueta (Am) seeds are locally sourced in many countries in Africa and wholly used locally to treat and manage viral infections and food poisoning. The oils were selected for this study in order to explore the bioactive components in the oils which are yet to be assayed as antiviral components. The study is ongoing as we work to ascertain bioactive components in the oils and possible synergistic antiviral actions in the components of the two plants.

Keywords: Aframomum melegueta, food poisoning, Garcinia kola and Herbal medicines