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**DETERMINATION OF THE EFFECT OF CO-ADMINISTRATION OF  
ANDROGRAPHIS PANICULATA LEAVES AND ZINGIBER OFFICINALE  
RHIZOIDS ON SERUM LIVER ENZYMES IN NORMAL ALBINO WISTAR RATS**

**Nkereuwem Nyah**

*Department of Chemical Sciences, Akwa Ibom State polytechnic Ikot Osurua, Ikot Ekpene, Akwa Ibom  
State, Nigeria State*

E-mail: nkereuwemnyah@gmail.com

**Abstract**

*The effect of the administration of ethanol extract of Andrographis Paniculata leaves and Zingiber officinale rhizoids on serum liver enzymes (ASP, ALP and ALT) in normal male albino Wistar rats, weighing 113-233G was evaluated. Twenty-five (25) animals were randomly assigned to five groups of five rats each. Groups 1, 2, 3, and 4 were treated with 100mg/kg, 200mg/kg, 300mg/kg and 400mg/kg respectively of Andrographis paniculata leaves and Zingiber officinale Rhizoids. Group 5 (control) was not treated. Both treated and control animals were fed with commercial rat mash and water throughout three (3) weeks of experimentation. At the end of 21 days, a significant decrease ( $P>0.05$ ) in serum AST level was recorded in treated groups 1, 2, 3 and 4 compared with control. A significant decrease ( $P>0.05$ ) in serum ALP level was recorded in group 4 when compared with control. However, serum ALP levels recorded a significant increase in group 4 compared with group 3 ( $P>0.05$ ). The Results of this research work signified that the administration of ethanol extracts of Andrographis paniculata leaves and rhizoids possessed no marked effects on the liver enzymes since variations in levels of the enzymes were within their normal serum ranges.*

**Keywords:** Albino wistar rats, Andrographis paniculata, Liver enzymes, Zingiber officinale