

## SHORT COMMUNICATION

### **IN VITRO ANTI - UROLITHIATIC ACTIVITY OF *KIGELIA AFRICANA* (L.)**

#### **ABSTRACT**

This research was designed to examine the litholytic properties of the fruit of *Kigelia africana*. The presence of a high concentration of phyto-molecules in the plant extract prevents the aggregation and development of crystals, comparable to the function of natural substances found in urine that inhibit crystal formation. The pharmacological assessment of *K. africana* was conducted using turbidity technique and dissolution percentage. Calcium oxalate was artificially synthesized and enclosed inside the SPM in both procedures. The results were statistically evaluated and show a considerable anti-urolithiasis activity ( $P < 0.001$ ) when compared to both the control group and the standard group (*Berberis vulgaris*).