

## THESIS ON PHENOTYPICAL CHARACTERS OF *Prunus africana*

TCHOUAKIONIE Maurice at 49 years old has just defended a thesis of Doctorate/PhD, bearing on the subject: **“Effect of some abiotic factors on the phenotypical characters of *Prunus africana* (Hook.f.) Kalkman in tropical forests of Cameroon”** at the University of Yaoundé-Cameroon. The aforementioned thesis assures to the laureate, his capacity reinforcement on the management of natural resources by using scientific and technological modern tools.



Dr TCHOUAKIONIE Maurice (middle) with members of jury  
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This latest research defended publicly, following the Rector of the University of Yaounde I's authorization, falls under the specialty of Plant Biotechnology and contributes to the phenotypical characterization of *P. africana*, medicinal endemic specie of the tropical forests of Cameroon.

The field work was carried out within the mount Cameroon, mount Manengouba and in the highland forests of Bamenda. Biometry was used to quantify the phenotypical characters of the stems in situ and the leaves whereas the chromatography in CCM, HPLC and GC-MS made it possible to do the qualitative and quantitative analyses of  $\beta$ -sitosterol of the aforementioned specie in laboratories. This research made several communication subjects in the national and international seminars as well as the publication of two scientific articles in international journals with review panel. The jury of defense was made up of magisterial grade lecturers from State Universities of Yaounde I, Douala and N'Gaoundere.

The tools obtained from this thesis are essential for the management of ground and the exploited products of *P. africana* as well as the production of the seeds for the forest and agro-forest plantations. Its implementation shall booster the contribution of the Forest and Environment as well as Research and Development Sectors in Cameroon.