



São Paulo School of Advanced Science on Scenarios and Modelling on Biodiversity and Ecosystem Services to Support Human Well-Being

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I was born on 18 January 1985 at Boni in the Haut Bassins region of Burkina Faso. I attended the primary school of Boni from 1992-1997 and the Lycée Provincial of Tuy/Houndé (secondary school) from 1998-2006. I started high education studies in October 2006 at the University of Ouagadougou where I earned my Bachelor's degree in Applied Biological Sciences in 2009 and Master in Botany and Phytoecology in 2012. Now, I am completing my doctoral studies on the topic « Distribution, fruit production and socio-economic potential of *Tamarindus indica* L. and *Vitellaria paradoxa* C.F. Gaertn. in Burkina Faso»

Summary of my main research interests :

My research are focused on food species with *Tamarindus indica* and *Vitellaria paradoxa* as key species due to the high socio-economic value of their fruits. The general objective is to develop scientific tools for supporting decision making in the use and management of food resources. The main research interests are :

- (i) fruit production of food species with objectives to understand how environmental conditions (climatic variables, land use) affect fruit production patterns of food species and develop allometric models for estimating their fruit yield ;
- (ii) Species Distribution Modeling with objective to assess the impact of climate change on food species by developing models to predict the dynamics of their abundance (tree density) ;
- (iii) Economic potential of food species. This section aims to analyse the contribution of food species in the livelihoods suppling and poverty alleviating in rural areas by assessing the home consumption demand for fruits at household scale and the economic value of fruit yield produced by individual trees.