

## Project Summary

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| Title                            | Conserve and screen premium value indigenous plant biodiversity and products on smallholder farming systems of Lake Victoria Basin in East Africa  |
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| Purpose                          | The overall objective is to enhance women smallholder farmers' capacity, in target Lake Victoria Basin sites of Kenya and Uganda, to conserve and promote premium indigenous plant biodiversity for value added processes.   |
| Project Summary                  | This project objective aims at enhancing women smallholders farmers' capacity in the Lake Victoria Basin to conserve indigenous plants (IP) and provide a basis for policy formulation on promoting IPs with a potential market value. Two aspects of graduate research training are mapping IPs in relation to land-use types and physio-chemical and nutraceutical characterization of screened IPs. Students will collect the bulk of the data. Information will be packaged and disseminated at various fora. Methods include a survey; rural participatory appraisals; focused group discussions; laboratory methods to be used are Near Infrared Reflectance spectroscopy and Energy Dispersive X-ray Fluorescence Spectroscopy, as rapid techniques for screening the IPs; high performance liquid chromatography and Spectroscopy reserved for the screened IPs. |
| Country and Specific Location(s) | Lake Victoria basin, Jinja in Uganda and Kisumu in Kenya   |
| Participating Institutions       | local government area personnel and relevant NGO   |
| Start Date                       | September, 2010  |
| End date                         | September, 2012  |
| Amount of Funding                | USD 59,978   |



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