

## Project Update: February 2018

I have conducted four rounds of fieldwork for the forest ecology and ethno-medicinal plant assessments. In this field the following activities were done:

1. For the study of the natural forests, 70 plots were laid down along altitudinal gradients from both Yegana and Siregedel natural forests to generate the check list of the floristic composition, data for regeneration, data anthropogenic disturbance, geographical position and other necessary data were collected.
2. Ethno-medicinal data related to human and animal traditional medicinal plants and associated indigenous knowledge were collected.
3. Full information on medicinal plant parts used, modes of remedy preparation, routes of remedy administration and dosages were documented.
4. Markets of the district were assessed to study marketability of traditional medicinal plants with in the community.
5. More than 250 plant species were collected from the forest assessment, traditional medicinal plants assessment and market survey. Those all plant species were collected with voucher number their local name if the local people knows for identification at the National Herbarium Addis Ababa University.

### Activities ongoing

1. Scientific name identification of the collected forest specimen and traditional medicinal plants at the National Herbarium, Addis Ababa, Ethiopia.
2. Ecological and ethno-medicinal raw data entry for analysis.

### Coming activities

1. Field data collection for the fifth round from the natural forests, local healers and markets on the next September for collecting remaining data and good specimen for herbarium reservation.
2. Collection of selected traditional medicinal plants those of with high consensus value for in-vitro anti-microbial test.
3. Extraction of the selected traditional medicinal plants and in-vitro anti-microbial test of the extracts.
4. Writing up of the final dissertation and publications of scientific papers.

### Opportunities

- Financial support from Rufford small grant, Addis Ababa University and Debre Berhan University.
- Good commitments of my department plant biology and biodiversity management.
- Good commitments of district administrates, experts and local community during my field work
- Challenges
- Budget constraints for the left field work expense, in-vitro antimicrobial laboratory expense like Chemicals, equipment and laboratory experts expense cost.





