



Study Area and Objectives

Study area



Fig. 1. Study area (Shimoga district)

1 - Seegehallykere, 2 - Honnehallakere, 3 - Doddakere, 4 - Aiahnakere, 5 - Ammanakere, 6 - Kilambikere, 7 - Kodurukere, 8 - Kubaturudoddakere, 9 - Sharavathi, 10 - Sankarikoppakere, 11 - Anjanapuradam, 12 - Beguru Herekere, 13 - Lakkinakoppa kere

Shimoga district is in southern part of Karnataka state in India. It is located at 13° 27' and 14° 39' latitude to 74° 38' and 76° 40' east longitude and represent 8,465 sq km with a forest cover 3,270 sq km. the temperature varies 19-27°C and the average rainfall is 280 cm.

The heavy rainfall in study area resulted in many water tanks, water streams and few water reservoirs with the development of foam in the back water. Some of the aquatic fungi adhere in the foam part of their life cycle in the form of reproductive propagules.

Information is available on diversity of aquatic fungi their application and affect on human welfare, but not much information is available on the aquatic fungi in Karnataka. To fill up this lacuna present study is undertaken with the following objectives:

1. Survey and documentation of aquatic fungi from foam in Shimoga district
2. Isolation and culturing of aquatic fungi.
3. Seasonal variation of aquatic fungi.
4. Degradation of organic matter *in-situ* and *ex-situ* condition