**Chapter 1**

**Evaluation of *C. glabrata* growth, treated with antifungal drug under different environmental conditions.**

**Introduction**

Adhesion and biofilm formation are the key virulence traits present in Candida species to cope-up with nutritional and environmental stress. Biofilm formation inhibits penetration of substances and protects fungal cells from host immune system. Additionally, biofilms have significant resistance against antifungal drugs leading to high mortality.

**Results**

1. **Oxidative stress treated *C. glabrata* cells elevated resistance to fluconazole**
2. ***C. glabrata* cells exhibits different growth profile under different growth medium**