

**Neuroprotective effect of synthesized zinc oxide  
nanoparticle - capped catechin**

Thesis submitted in partial fulfilment of the requirements for the  
**Degree of Doctor of Philosophy (Ph.D.) in Biochemistry**

By

**Nandhini. B**  
**(17PHBCF002)**

Supervisor

**Dr. Anitha Subash**  
**Dean, School of Biosciences and Professor**

**Department of Biochemistry, Biotechnology and Bioinformatics**

Avinashilingam Institute for Home Science and Higher Education  
for Women, Coimbatore – 641 043

**June 2024**