

**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

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80_Recommendations

The findings of the current work have unfolded some prospects for future studies. A few of them are:

- The neuroprotective activity of synthesized zinc oxide-capped catechin can be further validated by conducting in the study in animals.
- Validation by gene expression can be studied *in vivo* for the development of novel drugs from *Camellia sinensis* with enhanced medicinal value through technological interventions.
- The proteomic and genomic profile of the synthesized zinc oxide-capped catechin can be further characterized.