

**Therapeutic Effects of Silver Nanoparticles Synthesized Ethanolic
Extract of *Boerhavia diffusa* L. on Experimentally Induced
Diabetes and Obesity in Rats**

Thesis Submitted in Partial Fulfilment of the Degree of
DOCTOR OF PHILOSOPHY IN BIOTECHNOLOGY

By
REENA JOY. A
(18PHBTF001)

Supervisor
Dr. S. GAYATHRI DEVI

Professor
Department of Biochemistry, Biotechnology and Bioinformatics

**Avinashilingam Institute for Home Science and Higher Education
for Women, Coimbatore – 641043**

December 2025

80_ Recommendation

1. To explore the metabolic gene regulation by EBdAgNPs of genes other than PPAR- α , PPAR- γ and RBP4.
2. To develop EBdAgNPs as standardized herbal drug formulations that may help to create novel treatments for metabolic disorders.