

**ANTIOXIDANT POTENTIAL OF *Cucurbita pepo* L. (PUMPKIN)
SEED EXTRACT IN THE TREATMENT OF STRESS INDUCED
MALE INFERTILITY: AN IN VIVO STUDY**

**Thesis Submitted in Partial Fulfilment of the Requirements for the Degree of
Doctor of Philosophy in Food Science and Nutrition**

By

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Recommendations for Future Studies

1. **Safety Profile:** Assess the long-term safety and efficacy of *Cucurbita pepo* L. seed extract on general health and reproductive health.
2. **Comparison with Other Treatments:** Compare the efficacy of *Cucurbita pepo* L. seeds with other known natural and pharmaceutical treatments for male infertility.
3. **Synergistic Effects:** Explore the potential synergistic effects of *Cucurbita pepo* L. seeds with other supplements or medications.
4. **Genetic Studies:** Analyze gene expression related to fertility and antioxidant defense.