APPENDIX IV: Replies / Clarifications to the points raised by the foreign referee Prof. Akos Mathe, Hungary (August-2007)

1. We are thankful to the examiner for appreciating research objectives and in vitro establishment of culture of a group of plants known to possess anti-diabetic properties. Phytochemical and biochemical properties are equally important.

2. We thank the examiner for appreciating the logical structure of the thesis and layout of the manuscript.

3. We thank him of his encouraging comments on Chapter I Introduction, Chapter II Review of Literature, Chapter III Plant materials. Chapter IV under plant tissue culture is no more independent part of the thesis but rather a part of the thesis. Materials and Methods have been reorganized as suggested by the examiners.

4. In vitro culture description has been reorganized as per referee's suggestions.

5. Similarly Chapter V on metabolites and enzymes is no more independent but a part of the thesis. We appreciate good comments of the examiner on biochemical analyses.

6. Similarly Phytochemical studies Chapter VI, acknowledges appreciation of the examiner. As mentioned earlier we could not undertake studies on Diabetic regulation directly but selected a group for known for anti-diabetic properties and will provide scope for future studies.

7. Chapter VII summary has been reorganized and improved as suggested by the examiner.

8. Broad title of the thesis cannot be changed at this stage as it is approved and registered at many places after approval by the Board of Studies. We would have loved to put the title as "Tissue culture and Phytochemical studies on medicinal plants having anti-diabetic properties". Synopsis submitted 6 months before submission of thesis reflects contents.

9. Summary and conclusions have been re-written with more special conclusions. Finally the thesis has been reorganized as follows. Keeping Introduction (Chapter I), Review of Literature (Chapter II), Materials and Methods (Chapter III), Results (Chapter IV), Discussion (Chapter V), Summary and Conclusions (Chapter VI) followed by References and Appendices.

The thesis has been reorganized and re-edited and all the points of clarification raised by the foreign referee have been largely improved within our limitations.

Finally we thank the examiner for being very objective and positive in his comments on our research work.

Candidate / Research Supervisor