Chapter 8

CONCLUSION
8. CONCLUSION

The present study demonstrates the central role of naringin on the beta cells of pancreas, which is mediated through up-regulation of two beta cell specific transcription factors namely PDX-1 and FoxM1. In diabetic animals, naringin increases the expression of PDX-1 in beta cells resulting in increased insulin biosynthesis and secretion. Naringin also increases the expression of FoxM1 in diabetic animals, which results in proliferation of pre-existing beta cells.