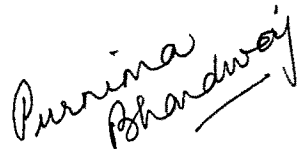
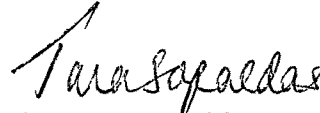


CERTIFICATE

This is to certify that the research work embodied in the results of this thesis has been carried out independently by Ms. Purnima Bhardwaj in pursuit of a doctoral degree in Foods and Nutrition and that this is the original work of Ms. Purnima Bhardwaj.



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