Appendix

1. Page 3: lines 8 to 10: We rewrite the sentance "Using the Bessel....given below:" as "Using the Bessel wavelet transform, many results are obtained in the present thesis. The results and properties of Hankel transform and Bessel wavelet transform which are related to the present research work are given below:".

2. Page 3: line -3 We add a note that " The value of $d\sigma$ depends on $\mu > 0$.

3. Page 4: line 12: See the references [11] and [12].

4. Page 5: line 1: We rewrite the line as ".... then Hankel convolution of f and g is defined as....."

5. Page 5: line -5: We write "isometry" instead of isometric.

6. Page 6: First line in Section 1.2: $, 1 \leq p < \infty$, for this range of p see the refernce [21, p.243].

7. Page 8: first line: We rewrite the sentance as "If $f(x)$ and $G(y)$ are in $L^1(0, \infty)$, if $F(y) = h_\mu[f(x)]$, and if $g(x) = h_\mu^{-1}[G(y)]$, then for $\mu \geq -1/2$, we have

$$\int_0^\infty f(x)g(x)dx = \int_0^\infty F(y)G(y)dy.$$

8. Page 9: first line: We rewrite the line as "if it satisfies the following admissibility condition".

9. Page 12: Theorem 2.2.1: $I = (0, \infty)$. It is mentioned in page ix **Symbols.**

10. Page 35: line -9: We write " we will exploit the results of..." instead of exploiting.

11. Page 37: Line before Theorem 3.3.5: "$H_\mu(I)$ is dense in $B_{p,k}^\mu(I)$" for this we add the reference

H. Hörmander, L., Linear partial differential operators. Grundlehren der mathematischen Wissenschaften 116, Springer, Berlin, 1963.

12. Page 45: line -9: We write "Therefore, we can estimate (4.3.2) as follows " instead of Thus, we have estimate (4.3.2) by the following way.