Figure 1. Workflow of the Proposed Methodology

Table 1. Results obtained by using the proposed methodology on the Maize dataset

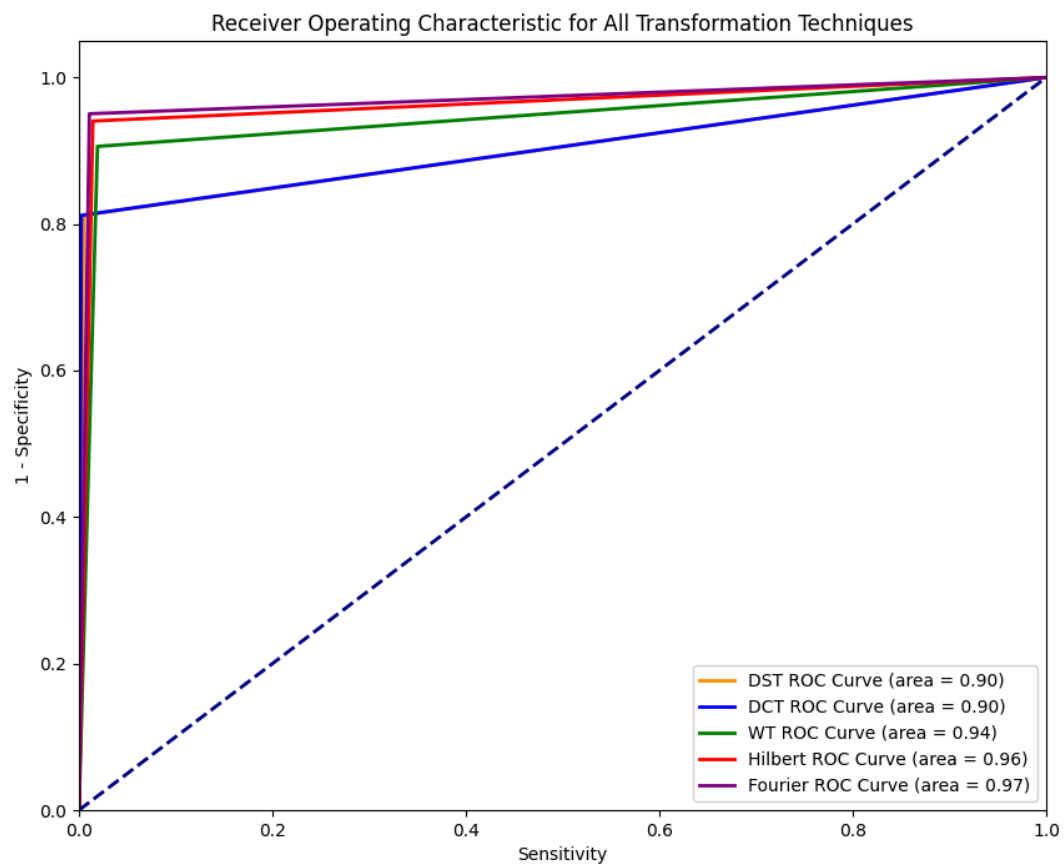| Technique	Accuracy	Precision	Recall	F1-Score	MCC	RMSE	Pearson Corr.
DST-RoF	0.959577	0.976190	0.811881	0.886486	0.867567	0.201056	0.867567
DCT-RoF	0.961501	0.987952	0.811881	0.891304	0.874359	0.196210	0.874359
WT-RoF	0.966314	0.919598	0.905941	0.912718	0.891887	0.183538	0.891887
Hilbert-RoF	0.976901	0.940594	0.940594	0.940594	0.926257	0.151984	0.926257
Fourier-RoF	0.981713	0.955224	0.950495	0.952854	0.941515	0.135229	0.941515

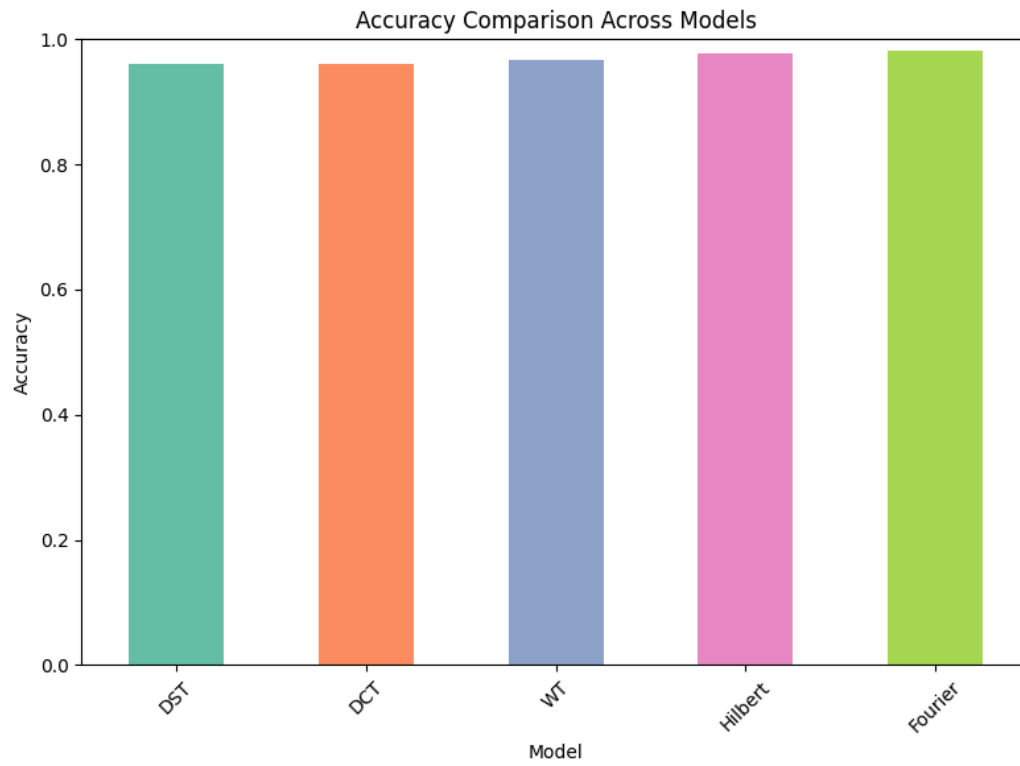**Figure 2.** ROC-AUC Curves performed by the proposed method on the Maize SIPs dataset

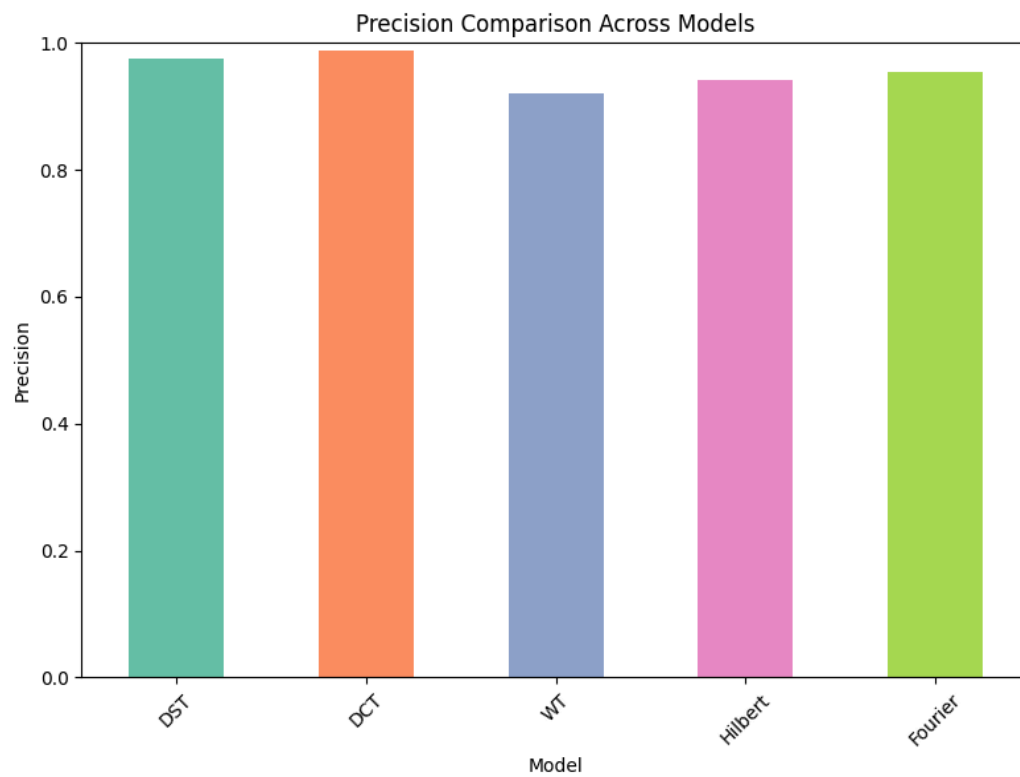**Figure 3.** Accuracy Comparison of the proposed method on the Maize SIPs dataset

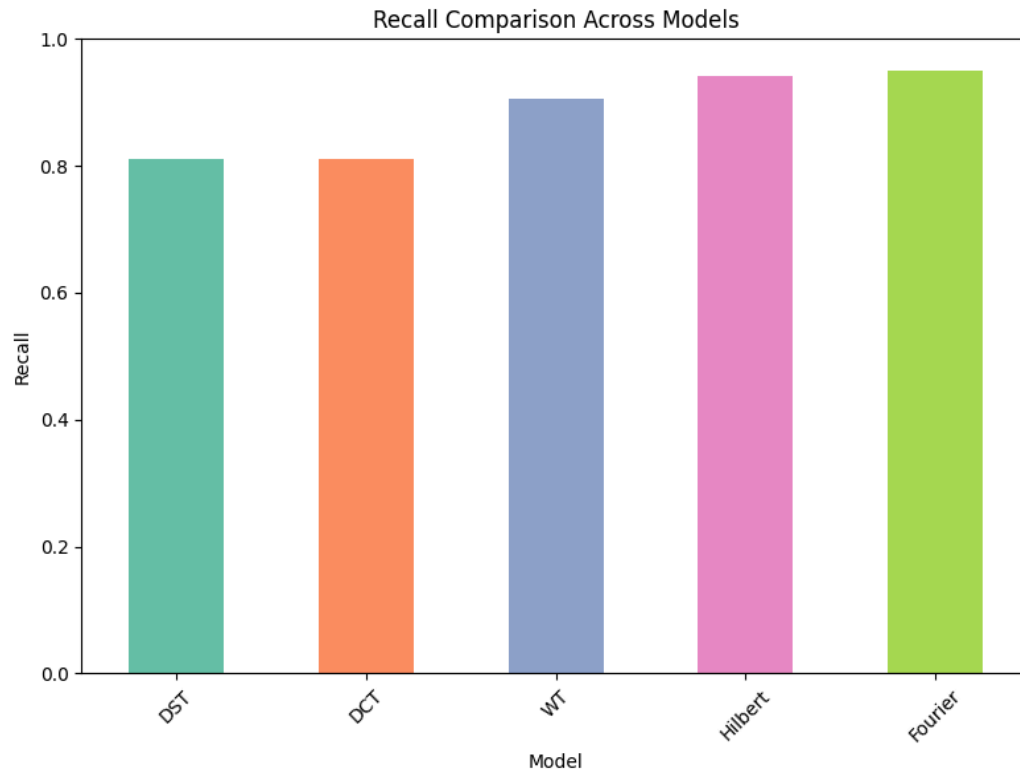**Figure 4.** Precision Comparison of the proposed method on the Maize SIPs dataset

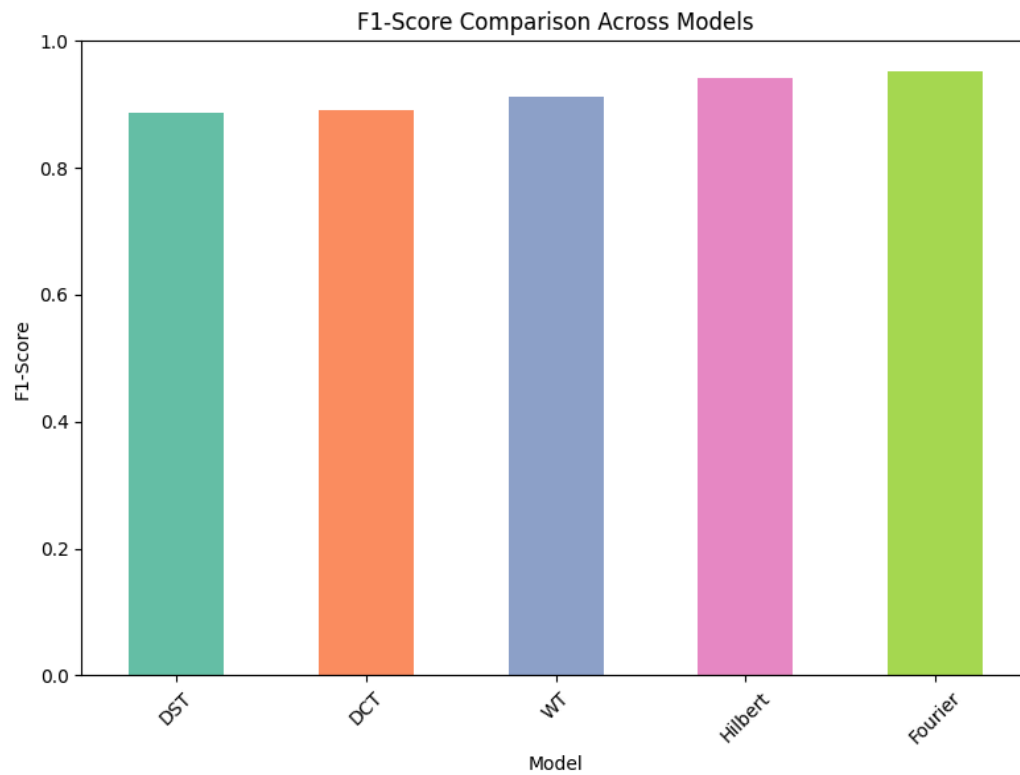**Figure 5.** Recall Comparison of the proposed method on the Maize SIPs dataset

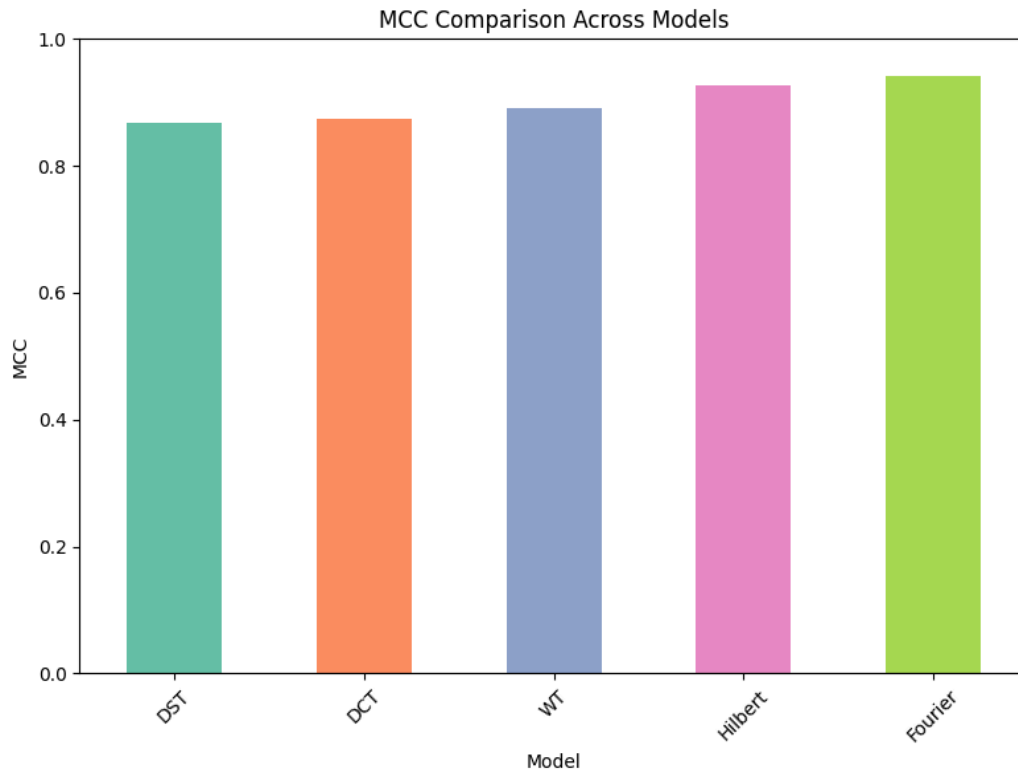**Figure 6.** F1-Score Comparison of the proposed method on the Maize SIPs dataset

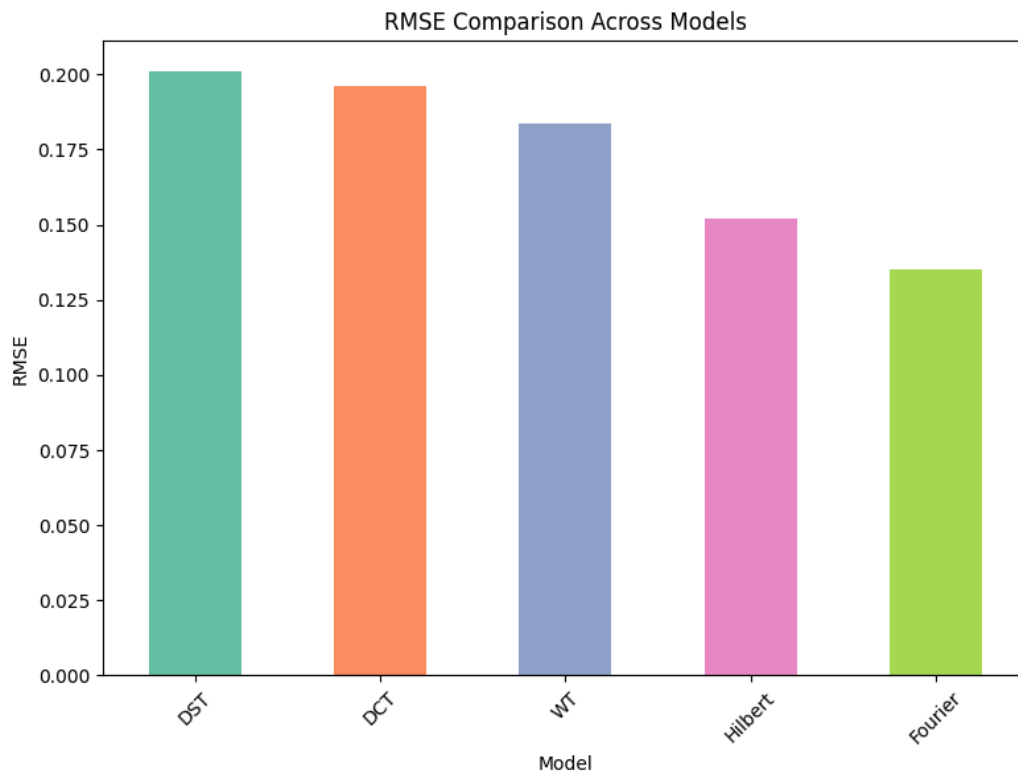**Figure 7.** Matthews Correlation Coefficient Comparison of the proposed method on the Maize SIPs dataset

Figure 8. Root Mean Square Comparison of the proposed method on the Maize SIPs dataset
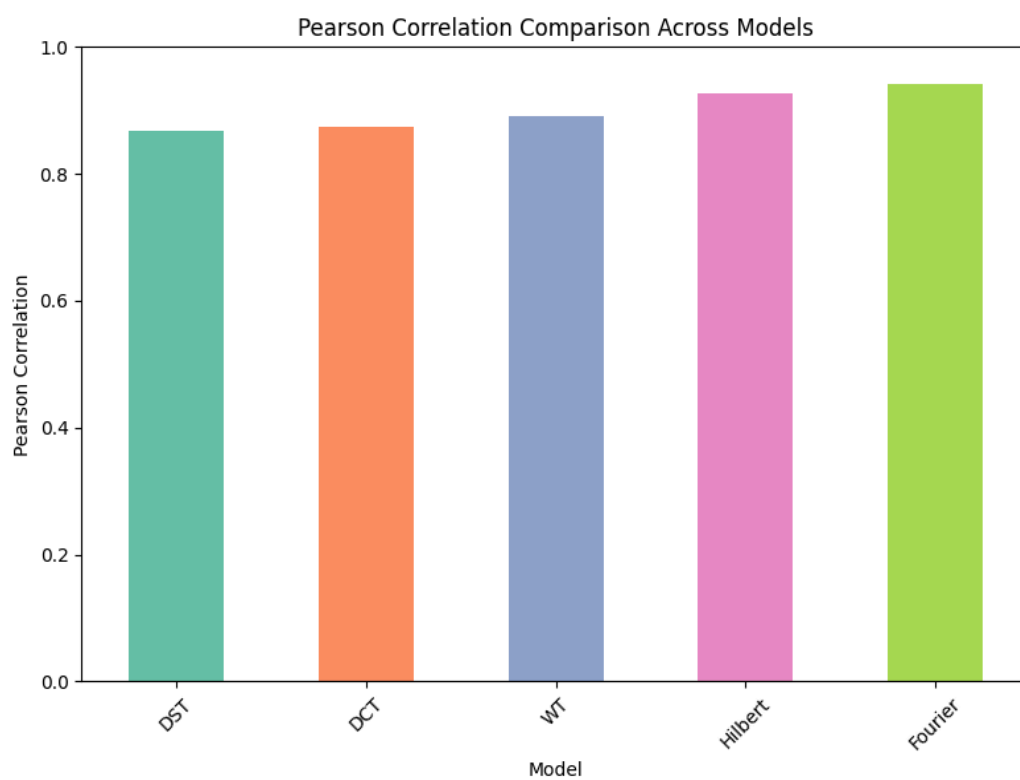
Figure 9. Pearson Correlation Coefficient Comparison of the proposed method on the Maize SIPs dataset