

LIST OF TABLES

Table 5.1	Statistical parameters for Different Brain Images-1.....	111
Table 5.2	Statistical parameters for Different Brain Images-2.....	111
Table 5.3	Statistical parameters for Different Brain Images-3.....	112
Table 5.4	Statistical parameters for Different Brain Images-4.....	112
Table 5.5	2×2 Confusion Matrix for Brain MRI Images Classification.....	113
Table 5.6	2×2 Confusion Matrix with Combined Wiener and Anisotropic Filter using Cuckoo Search Algorithm with Otsu as an Objective function.....	114
Table 5.7	2×2 Confusion Matrix with Combined Wiener and Anisotropic Filter using Cuckoo Search Algorithm with Kapur Entropy as an Objective function.....	114
Table 5.8	2×2 Confusion Matrix with Combined Wiener and Anisotropic Filter using Cuckoo Search Algorithm with Tsallis Entropy as an Objective function.....	115
Table 5.9	2×2 Confusion Matrix with Combined Wiener and Anisotropic Filter using Cuckoo Search Algorithm with Combined Otsu and Tsallis Entropy as an Objective function.....	115
Table 5.10	True Positive, False Positive, True Negative and False Negative using Different Methods for Classification of with Brain Tumor and without Brain Tumor.....	116
Table 5.11	Different Methods with their respective parameters for Brain Tumor Classification using 2×2 Confusion Matrix.....	117
Table 5.12	3×3 Confusion Matrix with Combined Wiener and Anisotropic Filter using Cuckoo Search Algorithm with Otsu as an Objective function.....	118
Table 5.13	3×3 Confusion Matrix with Combined Wiener and Anisotropic Filter using Cuckoo Search Algorithm with Kapur Entropy as an Objective function.....	118

Table 5.14	3×3 Confusion Matrix with Combined Wiener and Anisotropic Filter using Cuckoo Search Algorithm with Tsallis Entropy as an Objective function.....	119
Table 5.15	3×3 Confusion Matrix with Combined Wiener and Anisotropic Filter using Cuckoo Search Algorithm with Combined Otsu and Tsallis Entropy as an Objective function.....	119
Table 5.16	Different Methods with True Positive, False Positive, True Negative and False Negative for Benign Brain Tumor, Malignant Brain Tumor and without Brain Tumor.....	121
Table 5.17	Different Methods with their respective parameters for Brain Tumor Classification using 3×3 Confusion Matrix.....	122