1. **Enhanced\_Leguminosae\_3C\_classification\_Inception\_V3**

**Performance on Test Data**

**Precision**: 0.9774920906303199

**Recall**: 0.9769372693726938

**F1** **Score**: 0.9769526625247434

**Accuracy**: 0.9769372693726938

**Confusion Matrix:**

**Acacia\_Modesta Albizia\_Lebbeck Bauhinia\_Variegatav** **\ Unknown**

**Acacia\_Modesta** 265 3 0 0

**Albizia\_Lebbeck** 8 250 0 0

**Bauhinia\_Variegatav** 0 0 270 0

**Unknown**  6 6 2 274

1. **Enhanched\_Leguminosae\_3C\_classification\_AlexNet\_ReLU**

**Performance on Test Data**

**Precision**: 0.8789228082827987

**Recall**: 0.8330258302583026

**F1** **Score**:0.8327325322616357

**Accuracy**: 0.8330258302583026

**Confusion Matrix:**

**Acacia\_Modesta Albizia\_Lebbeck Bauhinia\_Variegatav** **\ Unknown**

**Acacia\_Modesta** 192 70 6 0

**Albizia\_Lebbeck** 6 252 0 0

**Bauhinia\_Variegatav** 0 0 270 0

**Unknown**  0 70 29 189

1. **Enhanced\_Leguminosae\_3C\_classification\_ResNet\_ReLU.**

**Performance on Test Data**

**Precision**:0.8224398518959871

**Recall**: 0.7785977859778598

**F1** **Score**: 0.7604332631940991

**Accuracy**: 0.7785977859778598

**Confusion Matrix:**

**Acacia\_Modesta Albizia\_Lebbeck Bauhinia\_Variegatav** **\ Unknown**

**Acacia\_Modesta** 239 29 0 0

**Albizia\_Lebbeck** 25 233 0 0

**Bauhinia\_Variegatav** 0 14 256 0

**Unknown**  83 51 28 116

1. **Enhanced\_Leguminosae\_3C\_classification\_VGG16\_ReLU**

**Performance on Test Data**

**Precision**:0.7789205717449316

**Recall**: 0.7730627306273062

**F1** **Score**: 0.7748994522522566

**Accuracy**: 0.7730627306273062

**Confusion Matrix:**

**Acacia\_Modesta Albizia\_Lebbeck Bauhinia\_Variegatav** **\ Unknown**

**Acacia\_Modesta** 192 43 0 33

**Albizia\_Lebbeck** 60 181 0 17

**Bauhinia\_Variegatav** 0 8 260 2

**Unknown**  29 50 4 205