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

**Performance on Test Data**

**Precision:** 0.8950351156475325

**Recall:** 0.8729281767955801

**F1 Score**: 0.8710371250805523

**Accuracy:** 0.8729281767955801

**Confusion Matrix:**

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

**Acacia\_Modesta** 28 16 0 1

**Albizia\_Lebbeck** 1 41 0 1

**Bauhinia\_Variegatav** 1 1 42 1

**Unknown**  0 1 0 47

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

**Performance on Test Data**

**Precision**: 0.8183619767213329

**Recall**: 0.8176795580110497

**F1 Score**: 0.8178685857068365

**Accuracy:** 0.8176795580110497

**CONFUSION MATRIX**

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

**Acacia\_Modesta** 35 8 0 2

**Albizia\_Lebbeck** 9 29 1 4

**Bauhinia\_Variegatav** 0 1 44 0

**Unknown**  1 6 1 40

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

**Performance on Test Data [Using Alex\_Net-ReLu]**

**Precision:** 0.8580615457731836

**Recall**: 0.8287292817679558

**F1 Score:** 0.8275172639813522

**Accuracy:** 0.8287292817679558

**Confusion Matrix:**

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

**Acacia\_Modesta** 40 2 3 0

**Albizia\_Lebbeck** 9 29 5 0

**Bauhinia\_Variegatav** 0 0 45 0

**Unknown**  15 0 7 36

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

**Performance on Test Data**

**Precision:** 0.9169086978359137

**Recall**: 0.9171270718232044

**F1 Score:** 0.9168526542697104

**Accuracy:** 0.9171270718232044

**Confusion Matrix:**

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

**Acacia\_Modesta** 40 4 0 1

**Albizia\_Lebbeck** 1 40 0 2

**Bauhinia\_Variegatav** 0 0 44 1

**Unknown**  4 0 2 42

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

**Performance on Test Data**

**Precision**: 0.9559525639518586

**Recall**: 0.9502762430939227

**F1 Score:** 0.950458778677508

**Accuracy:** 0.9502762430939227

**Confusion Matrix:**

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

**Acacia\_Modesta** 45 0 0 0

**Albizia\_Lebbeck** 5 38 0 0

**Bauhinia\_Variegatav** 0 0 45 0

**Unknown**  2 0 2 44

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

**Performance on Test Data**

**Precision:** 0.928423764139939

**Recall:**  0.9226519337016574

**F1 Score:** 0.9211470827035092

**Accuracy:** 0.9226519337016574

**Confusion Matrix:**

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

**Acacia\_Modesta** 45 0 0 0

**Albizia\_Lebbeck** 4 34 1 4

**Bauhinia\_Variegatav** 0 0 45 0

**Unknown**  3 0 2 43