Fig. 1. Dendrogram of clustering pattern of twenty four genotypes of wild melon
Fig 2. Comparasion of variation measured at genotypic and phenotypic levels for different parameters in wild melon *Cucumis melo* subsp. *agrestis*)

1. Vine length (cm)
2. Leaf area (cm$^2$)
3. Number of primary branches
4. Days to first male flower
5. Days to first female flowering
6. Node to first male flowering
7. Node to first female flowering
8. Number of fruits per vine
9. Average fruit weight (g)
10. Fruit length (cm)
11. Fruit breadth (cm)
12. Cavity size (cm$^2$)
13. Number of seed per fruit
14. Fruit flesh thickness (cm)
15. TSS ($^\circ$brix)
16. Vitamin C (mg/100g)
17. Seed to pulp ratio
18. Fruit yield (kg/vine)
Fig 3. Variation in heritability, genetic advance and genetic advance over mean for different parameters in wild melon

1. Vine length (cm)  
2. Leaf area (cm²)  
3. Number of primary branches  
4. Days to first male flower  
5. Days to first female flowering  
6. Node to first male flowering  
7. Node to first female flowering  
8. Number of fruits per vine  
9. Average fruit weight (g)  
10. Fruit length (cm)  
11. Fruit breadth (cm)  
12. Cavity size (cm²)  
13. Number of seed per fruit  
14. Fruit flesh thickness (cm)  
15. TSS (° brix)  
16. Vitamin C (mg/100g)  
17. Seed to pulp ratio  
18. Fruit yield (kg/vine)
Fig 4. Genotypic and phenotypic correlation of different characters with fruit yield in wild melon

1. Vine length (cm)
2. Leaf area (cm\(^2\))
3. Number of primary branches
4. Days to first male flower
5. Days to first female flowering
6. Node to first male flowering
7. Node to first female flowering
8. Number of fruits per vine
9. Average fruit weight (g)
10. Fruit length (cm)
11. Fruit breadth (cm)
12. Cavity size (cm\(^2\))
13. Number of seed per fruit
14. Fruit flesh thickness (cm)
15. TSS (\(\text{brix}\))
16. Vitamin C (mg/100g)
17. Seed to pulp ratio
Fig. 5 Genotypical path diagram for fruit yield in wild melon
Fig. 6. Phenotypical path diagram for yield in wild melon
Fig 7. Per cent contribution of different characters to the total genetic divergence in wild melon

1. Vitamin C (mg/100 g)  
2. Fruit flesh thickness (cm)  
3. Number of fruits per vine  
4. Fruit length (cm)  
5. Cavity size (cm$^2$)  
6. Leaf area (cm$^2$)  
7. Node to first female flowering