Figure 1a: Antibiotic susceptibility test: Comparison of effects among bacteria against the allopathic antibiotic.

Similar superscript do not differ from each other at less than 5% level.

Each bar representing the zone of inhibition (mm) developed against the bacteria by the treated allopathic antibiotics.
Similar superscript do not differ from each other at less than 5% level.

*based on 't' test

Each bar representing the zone of inhibition (mm) developed against the bacteria by the treated allopathic antibiotics.
Figure 1a: Antibiotic susceptibility test: Comparison of effects among bacteria against the Herbal Extracts.

Similar superscript do not differ from each other at less than 5% level

Each bar representing the zone of inhibition (mm) developed against the bacteria by the treated Herbal Extracts.
Figure 2b: Antibiotic susceptibility test: Comparison among the effects developed by the Herbal Extracts against each bacteria.

Similar superscript do not differ from each other at less than 5% level.

**Aggregatibacter actinomycetemcomitans**

![Graph showing diameter mm for Aggregatibacter actinomycetemcomitans for various herbal treatments.](image)

**Streptococcus mutans**

![Graph showing diameter mm for Streptococcus mutans for various herbal treatments.](image)

**Parvimonas micros**

![Graph showing diameter mm for Parvimonas micros for various herbal treatments.](image)

**Fusobacterium nucleatum**

![Graph showing diameter mm for Fusobacterium nucleatum for various herbal treatments.](image)

Legend:
- Aloe Vera 100%
- Triphala 100%
- Neem 100%
- Tulsi 100%
- Meetha Neem 100%
- Garlic 100%
Figure 3a: Antibiotic susceptibility test: Comparison of effects among bacteria against the Herbal based toothpastes.

Similar superscript do not differ from each other at less than 5% level.

Each bar representing the zone of inhibition (mm) developed against the bacteria by the treated Herbal based toothpastes.
Figure 3b: Antibiotic susceptibility test: Comparison among the effects developed by the Herbal based toothpastes against each bacteria.

Similar superscript do not differ from each other at less than 5% level

Each bar representing the zone of inhibition (mm) developed against the bacteria by the treated herbal based toothpastes.
Figure 1-3: Antibiotic susceptibility test: Cumulative comparisons of effects among bacteria against the antimicrobial agents extracted from various sources.

### Allopathic Antibiotics

- **Similar superscript do not differ from each other at less than 5% level**

### Herbal Extracts as Antibiotics

- **Similar superscript do not differ from each other at less than 5% level**

### Common Herbal Toothpastes

- **Similar superscript do not differ from each other at less than 5% level**
Figure 3b: Antibiotic susceptibility test: Cumulative comparisons among the effects developed by various microbial agents against each bacteria.
Figure 1: Antimycotic susceptibility test: Comparison among the effects developed by various antimycotic drugs against each Candida sp.

*Candida albicans*

*Candida krusei*
Figure 2: Antimycotic susceptibility test: Comparison among the effects developed by various antimycotic drugs against each Candida sp.
Figure: 1- Comparative HbA1c values among four studied groups.

Similar superscript do not differ from each other at 5% level

<table>
<thead>
<tr>
<th>HbA1c (Glycated hemoglobin)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diabetic patients suffering from Periodontitis</td>
</tr>
<tr>
<td>Diabetic patients not suffering from Periodontitis</td>
</tr>
<tr>
<td>Non-Diabetic patients suffering from Periodontitis</td>
</tr>
<tr>
<td>Non-Diabetic patients not suffering from Periodontitis (control)</td>
</tr>
</tbody>
</table>
Figure: 2- Comparative IgG values among four studied groups.

Similar superscript do not differ from each other at 5% level.
Figure 3 - Comparative IgA values among four studied groups.

Similar superscript do not differ from each other at 5% level.
Figure: 4- Comparative IgM values among four studied groups.

Similar superscript do not differ from each other at 5% level

IgM (Glycated hemoglobin)

- Diabetic patients suffering from Periodontitis
- Diabetic patients not suffering from Periodontitis
- Non-Diabetic patients suffering from Periodontitis
- Non-Diabetic patients not suffering from Periodontitis (control)