

## LIST OF TABLES

TABLE NO.	TITLE	PAGE NO.
Table 3.1	Broders System of Grading Oral Squamous Carcinoma	28
Table 3.2	Drugs advocated for the management of oral cancer.	29
Table 3.3	Radiotherapy for the management of oral cancer	30
Table 3.4	Phytochemical Content of <i>Trigonella foenum-graecum</i> L. (seed)	37
Table 3.5	Physical Properties of Important Phytochemical Constituent of <i>Trigonella foenum-graecum</i> L.	38
Table 3.6	Medicinal property of Trigonelline	39
Table 3.7	Anticancer property of Trigonelline	40
Table 3.8	Antimicrobial property of phytochemicals of <i>Trigonella foenum-graecum</i> L.	42
Table 3.9	Antioxidant property of phytochemicals of <i>Trigonella foenum-graecum</i> L.	45
Table 3.10	Components of essential oil of <i>Cinnamomum verum</i> J. Presl	49
Table 3.11	Physical Properties of Some Important Phytochemical Constituents of <i>Cinnamomum verum</i> J. Presl	50
Table 3.12	Medicinal property of phytochemicals of <i>Cinnamomum verum</i> J. Presl	51
Table 3.13	Anticancer property of phytochemicals of <i>Cinnamomum verum</i> J. Presl	53
Table 3.14	Anticancer property of saponins, polyphenols and tannins of <i>Cinnamomum verum</i> J. Presl	58
Table 3.15	Antimycotic property of phytochemicals of <i>Cinnamomum verum</i> J. Presl	60
Table 3.16	Antioxidant property of phytochemicals of <i>Cinnamomum verum</i> J. Presl	62
Table 3.17	Phytochemical content of <i>Carica papaya</i> L. (leaves)	68

<b>TABLE NO.</b>	<b>TITLE</b>	<b>PAGE NO.</b>
Table 3.18	Anticancer property of phytochemicals of <i>Carica papaya</i> L. (leaves)	70
Table 3.19	Antimicrobial property of phytochemicals of <i>Carica papaya</i> L. (leaves)	72
Table 3.20	Antioxidant property of phytochemicals of <i>Carica papaya</i> L. (leaves)	74
Table 3.21	Phytochemical content of <i>Carica papaya</i> L. (seeds)	76
Table 3.22	Physical properties of benzyl isothiocyanate	77
Table 3.23	Anticancer property of phytochemical of <i>Carica papaya</i> L. (seeds)	78
Table 3.24	Antimicrobial property of phytochemical of <i>Carica papaya</i> L. (seeds)	82
Table 3.25	Antioxidant property of phytochemicals of <i>Carica papaya</i> L. (seeds)	83
Table 5.1	Physical characteristics of <i>Trigonella foenum-graecum</i> L. (seeds), <i>Cinnamomum verum</i> J. Presl (bark), <i>Carica papaya</i> L. (leaves of male and female plant) and <i>Carica papaya</i> L. (seeds) during various stages of processing	155
Table 5.2	Phytochemical content of <i>Trigonella foenum-graecum</i> L. (seeds), <i>Cinnamomum verum</i> J. Presl (bark) and <i>Carica papaya</i> L. (leaves of male and female plant leaves and seeds)	160
Table 5.3	Minimum Inhibitory Concentration (MIC)	171
Table 5.4	<i>In-vitro</i> antimicrobial activity of standard Kanamycin against <i>Streptococcus mutans</i>	174
Table 5.5	Levels of Trigonelline Hydrochloride in Ethanol, Ethanol: Water and Aqueous Extracts of <i>Trigonella foenum-graecum</i> L. (seed)	176
Table 5.6	Phytochemicals present in ethanol. Ethanol: water and aqueous extracts of <i>Cinnamomum verum</i> J. Presl (bark)	177
Table 5.7	Levels of benzyl isothiocyanate in ethanol, ethanol water and aqueous extracts of <i>Carica papaya</i> L. (seed)	178

<b>TABLE NO.</b>	<b>TITLE</b>	<b>PAGE NO.</b>
Table 5.8	Quantification of alkaloid fraction in <i>Carica papaya</i> L. (leaves of male and female plant)	180
Table 5.9	IC <sub>50</sub> Concentration of the prepared extracts	185
Table 5.10	IC <sub>50</sub> Concentration of the active compounds	187
Table 5.11	Anticancer effects of the plant extracts in SCC25 ATCC CRL 1628 cell line	231
Table 5.12	Anticancer effects of standard cisplatin and active compounds in SCC25 ATCC CRL 1628 cell line	231
Table 5.13	Level of saponin in Ethanol: Water extract of <i>Cinnamomum verum</i> J. Presl (bark)	233
Table 5.14	Level of polyphenol in Ethanol: Water extract of <i>Cinnamomum verum</i> J. Presl (bark)	234
Table 5.15	Level of tannin in Ethanol: Water extract of <i>Cinnamomum verum</i> J. Presl (bark)	234
Table 7.1	Summary of the antioxidant, antimicrobial, antimycotic and anticancer effects of <i>Trigonella foenum-graecum</i> L., <i>Cinnamomum verum</i> J. Presl and <i>Carica papaya</i> L.	258
Table 7.2	Summary of the anticancer effects of standard cisplatin and other phytochemicals present in the herbs	259