

## LIST OF TABLES

Table No.	Table content
2.1	Composition of different media used as basal media (mg l <sup>-1</sup> )
2.2	Response of leaf explants of <i>A. vulgaris</i> L. on different media supplemented with different concentrations of 2,4-D.
2.3	Effect of growth regulators on the callogenic response induced from leaf segment of <i>A. vulgaris</i> L. after 30 days of inoculation.
2.4	Response of leaf explants of <i>A. vulgaris</i> L. on MS medium supplemented with different concentrations of 2,4-D after 30 days of incubation.
2.5	Response of leaf segments of <i>A. vulgaris</i> L. in different types of media, supplemented with different concentrations of 2,4-D after 30 days of incubation.
2.6	Response of leaf explants of <i>A. vulgaris</i> L. on MS medium supplemented with different concentrations of NAA after 35 days of incubation.
2.7	Morphogenetic response of leaf explants of <i>A. vulgaris</i> L. on MS medium with various concentrations and combinations of BAP and NAA
2.8	Morphogenetic response of leaf explants of <i>A. vulgaris</i> L. on MS medium with various concentrations and combinations of BAP and GA <sub>3</sub>
2.9	Morphogenetic response of leaf explants of <i>A. vulgaris</i> L. on MS medium with various concentrations and combinations of 2,4-D, BAP and ascorbic acid.
2.10	Morphogenetic response of leaf explants <i>A. vulgaris</i> L. on MS medium with various concentrations and combinations of 2,4-D and AA
2.11	Morphogenetic response of leaf explants of <i>A. vulgaris</i> L. on MS medium with various concentrations and combinations of TDZ and NAA.
2.12	Subculture and response of leaf callus of <i>Artemisia vulgaris</i> L.
2.13	Response of stem explant of <i>A. vulgaris</i> L. on different media supplemented with different concentrations of 2,4-D.
2.14	Effect of growth regulators on the callogenesis response induced from stem explants of <i>A. vulgaris</i> L. after 15 days of incubation
2.15	Response of stem explants of <i>A. vulgaris</i> L. on MS medium supplemented with different concentrations of 2,4-D after 15 days of incubation.
2.16	Response of stem explants of <i>A. vulgaris</i> L. on different types of media, supplemented with different concentrations of 2,4-D after 30days of incubation.

2.17	Response of stem explant of <i>A. vulgaris</i> L. with different concentrations and combinations of BAP and NAA.
2.18	Response of stem explant of <i>A. vulgaris</i> L. with different concentrations and combinations of BAP and GA <sub>3</sub> .
2.19	Response of stem explants of <i>A. vulgaris</i> L. with different concentrations and combinations of BAP, 2,4-D and AA.
2.20	Response of stem explant of <i>A. vulgaris</i> L. with different concentrations and combinations of TDZ and NAA.
2.21	Response of stem explant of <i>A. vulgaris</i> L. with different concentrations and combinations of 2,4-D and AA.
2.22	Subculture and response of stem culture of <i>A. vulgaris</i> L.
2.23	Influence of growth regulators on callogenic response induced from nodal explants of <i>A. vulgaris</i> L. after 30 days of incubation.
2.24	Morphogenetic response of nodal segments of <i>A. vulgaris</i> L. on MS medium with various concentrations and combinations of BAP.
2.25	Morphogenetic response of nodal segments of <i>A. vulgaris</i> L. on MS medium with various concentrations of KN.
2.26	Morphogenetic response of nodal explants of <i>A. vulgaris</i> L. on MS medium with various concentrations of TDZ.
2.27	Morphogenetic response of nodal explants of <i>A. vulgaris</i> L. on MS medium with various concentrations of GA <sub>3</sub> .
2.28	Morphogenetic response of nodal explants of <i>A. vulgaris</i> L. on MS medium with various concentrations and combinations of BAP and Kn.
2.29	Morphogenetic response of nodal explants of <i>A. vulgaris</i> L. on MS medium with various concentrations and combinations of GA <sub>3</sub> and IAA.
2.30	Morphogenetics response of nodal explants of <i>A. vulgaris</i> L. on MS medium with various concentrations and combinations of GA <sub>3</sub> , IAA and AA.
2.31	Subculture and response of nodal culture of <i>A. vulgaris</i> L.
2.32	Effect of growth regulators of half and full strength MS medium in <i>A. vulgaris</i> L. regenerated shoots for rooting
3.1	Effect of 1.0mg l <sup>-1</sup> GA <sub>3</sub> on suspension cultures of <i>A. vulgaris</i> L.
3.2	Effect of 0.5 mg l <sup>-1</sup> GA <sub>3</sub> + 1.0 mg l <sup>-1</sup> IAA+ 40 mg l <sup>-1</sup> AA on suspension cultures of <i>A. vulgaris</i> L.
3.3	Effect of different concentrations of alginate on germination of synthetic seed of <i>A. vulgaris</i> L.
3.4	Effect of storage period and temperature on shoot emergence from encapsulated embryos.
3.5	Effect of storage period on germination of encapsulated embryos of <i>A. vulgaris</i> L.

3.6	Effect of growth regulators on artificial seed germination and shoot length
3.7	Effect of combination of GA <sub>3</sub> with IAA on root induction from synthetic seed
4.1	The Effect of different concentration of 2,4-D on mitotic frequency from callus cells of <i>A. vulgaris</i>
4.2	The effect of different concentrations of 2,4-D on different stages of mitosis in callus cells of <i>A. vulgaris</i>
4.3	Chromosomal abnormalities (%) in callus cells of <i>A. vulgaris</i> induced by different concentrations of 2,4-D
4.4	The effect of different concentrations of BAP on mitotic frequency from callus cells from <i>A. vulgaris</i>
4.5	The effect of different concentrations of BAP on different stages of mitosis in callus of <i>A. vulgaris</i>
4.6	Chromosomal abnormalities (%) in callus cells of <i>A. vulgaris</i> induced by different concentrations of BAP.
4.7	The effect of different concentrations and combinations of BAP with GA <sub>3</sub> on mitotic frequency from callus cells of <i>A. vulgaris</i>
4.8	The effect of different concentrations and combinations of BAP with GA <sub>3</sub> on different stages of mitosis in callus cells of <i>A. vulgaris</i>
4.9	Chromosomal abnormalities (%) in callus cells of <i>A. vulgaris</i> induced by different concentrations and combinations of BAP and GA <sub>3</sub> .