

LIST OF TABLES

Chapter I : Number of Tables ----- 0

Chapter II : Number of Tables ----- 5

Table 1 – 5

Page 71 – 79

Table No	Title of the Table	Page No
Table 1	IC ₅₀ values of various isoxazolidine and isooxazoline derivatives	71
Table 2	Determination of Minimum Inhibitory Concentration (MIC)	73
Table 3	Determination of MIC	74
Table 4	MIC of synthetic compounds against bacteria	78
Table 5	Determination of zone of inhibition at MIC	79

Chapter III : Number of Tables -----9 & 3 Tables (S1,S2,S3) for special class reactions

Table 6 – 14

Page 113 – 150

Table No	Title of the Table	Page No
Table 6	Synthesis of new isoxazolidine derivatives from <i>N</i> -methyl-furfuryl- nitron (1a)	113
Table 7	Physicochemical data of synthesized compound	117
Table 8	Synthesis of new cross-coupling products using Sonogashira cross-coupling reaction	122
Table 9	Coupling constant values of C ₅ H and C ₄ H protons in ¹ H NMR spectrum(cycloadduct derived from nitron 1a)	138
Table 10	Coupling constant values of C ₅ H and C ₄ H protons in ¹ H NMR spectrum(cycloadduct derived from nitron 1b)	139
Table 11	Coupling constant values of C ₅ H & C ₄ H protons in ¹ H NMR spectrum (<i>cross coupling products derived from furfural nitron 1a and others</i>)	140
Table 12	IC ₅₀ values of various isoxazolidine and isoxazoline Derivatives	147
Table 13	Determination of minimum inhibitory concentration Minimum inhibitory concentration of synthetic	149
Table 14	MIC values of synthetic compounds against different bacteria	150

Chapter IV : Number of Tables-----0