

LIST OF TABLES

Table No.	Title of the table	Page No.
1.1	An approximate estimate of fungal diversity in India	5
2.1	Anti-oxidative potential of various macro fungi	39
2.2	Anticancer potential of extracts or compounds from different macro-fungi	43
2.3	Antidiabetic potential of different macro-fungi	47
2.4	Antimicrobial potential of different macro-fungi	49
2.5	Antiviral activities of various macro-fungi	51
3.1	Details of primers used for molecular identification of fungi	73
3.2	List of fungi identified in the present study	80
4.1	Metabolite profiling of crude extract of <i>P. albus</i> with their therapeutic potential	162
4.2	Metabolite profiling of crude extract of <i>G. triplex</i> with their therapeutic potential	163
4.3	Metabolite profiling of crude extract of <i>D. indusiata</i> with their therapeutic potential	164
4.4	Metabolite profiling of crude extract of <i>I. galariculata</i> with their therapeutic potential	169
4.5	Metabolite profiling of crude extract of <i>C. sterecoreus</i> with their therapeutic potential	173
4.6	Properties of SARS-CoV-2 M ^{pro} potential inhibitors	179
4.7	Molecular docking analysis of potential compounds against SARS-CoV-2 M ^{pro}	180
4.8	ADMET prediction of the bergenin, quercitrin and dihydroartemisinin	188