

LIST OF TABLES

Table no	Table titles	page no
3.1	Vibrational assignment of CNPSA molecule and CNPSA molecule on the Ag NPs	110
4.1	Vibrational assignment of CFSA molecule and CFSA molecule on the Ag NPs	132
5.1	Vibrational assignment of BMANQ molecule and BMANQ molecule on Ag NPs.	150
6.1	Vibrational assignments of 1,4-DBrN molecule and 1,4-DBrN molecule on the Ag NPs	164
7.1	Vibrational assignment of DMNMAD molecule and DMNMAD molecule on Ag NPs	184
8.1	Vibrational assignment of DMBMAD molecule and DMBMAD Ag NPs.	200
9.1	Comparative study of the organic molecules adsorbed on the Ag NPs.	204