

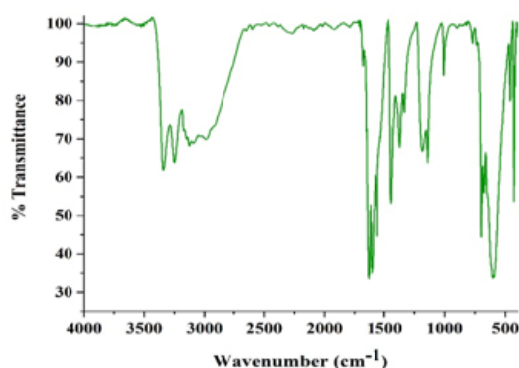
Synthesis of novel nanosized pharmacologically active macrocyclic complexes as efficient biomaterial

Vikas Sangwan*

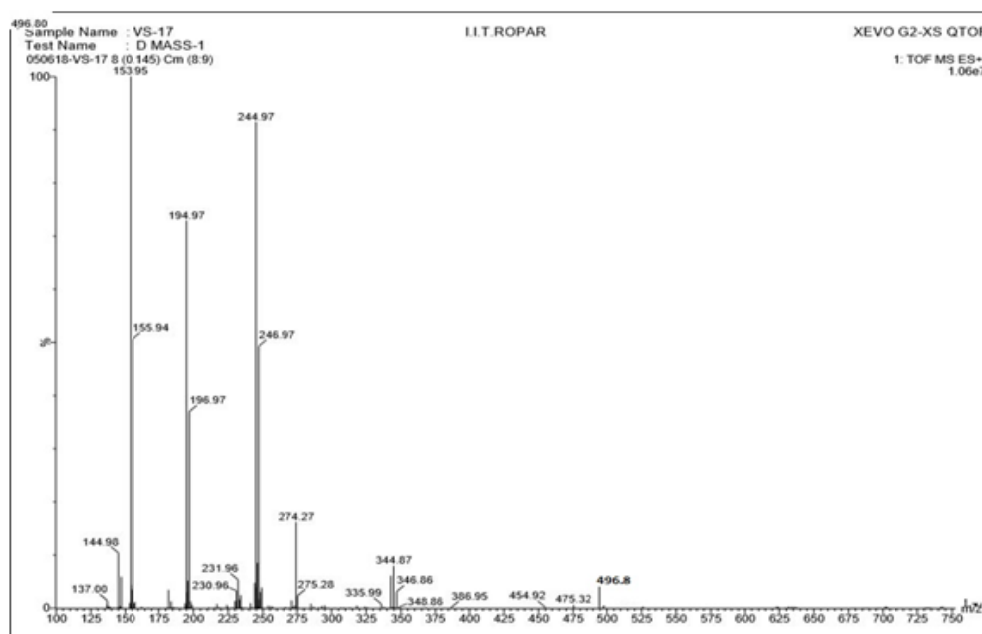
Department of Chemistry, RPS Degree College-Balana, Mahendergarh-123 029, Haryana, India

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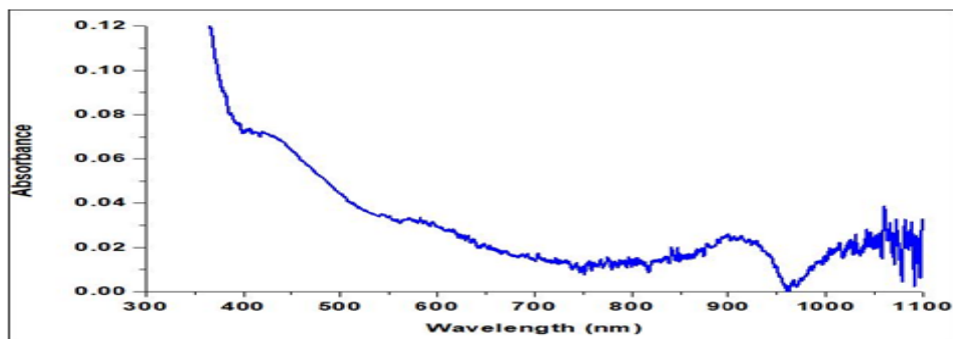
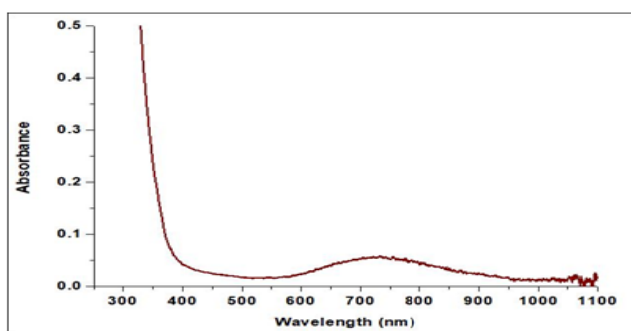
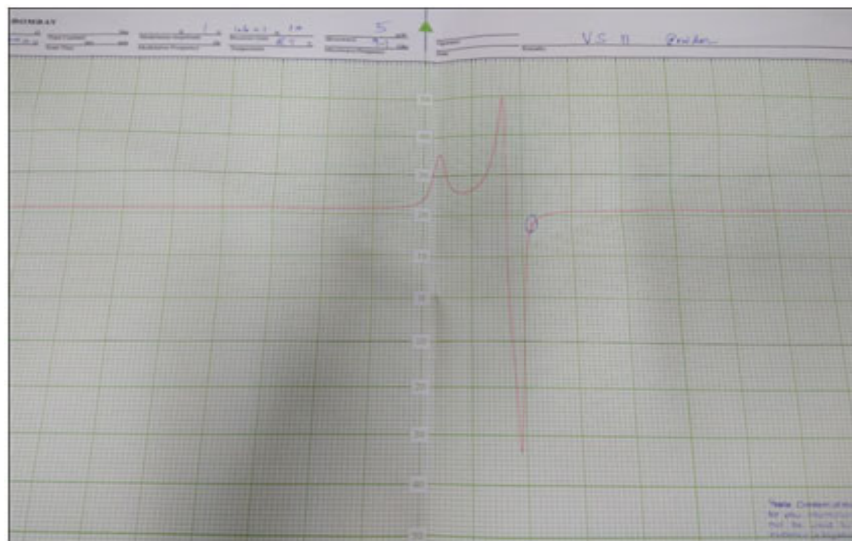
Supplementary Data

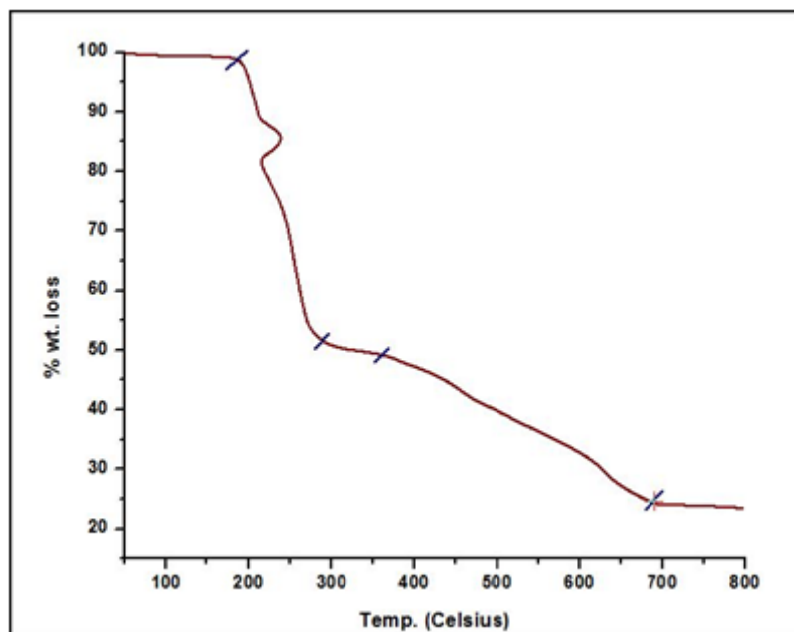
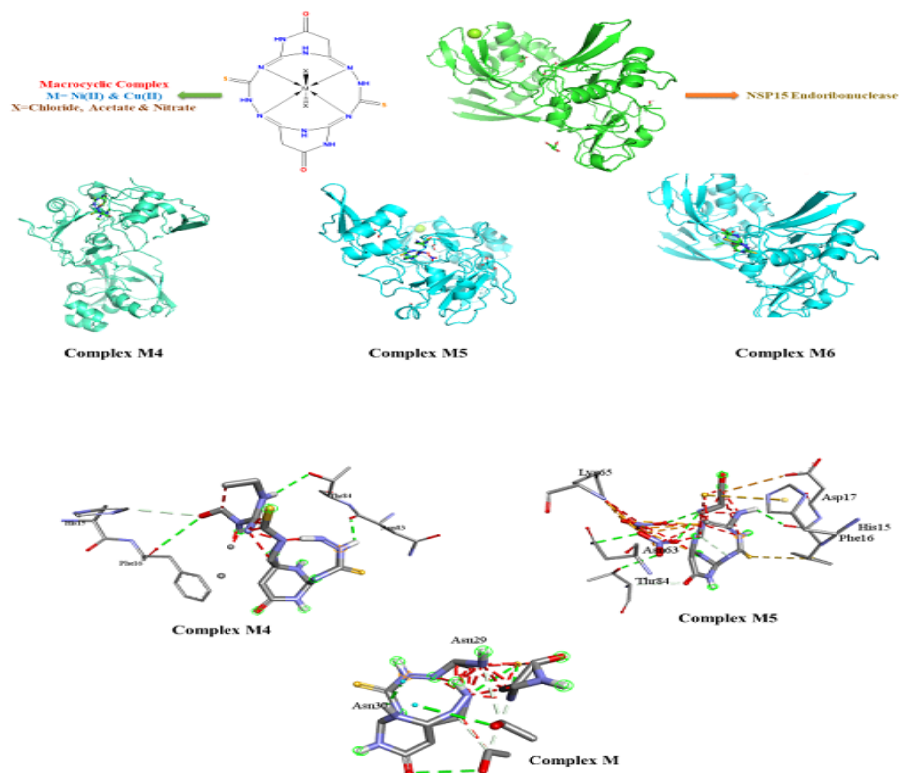


Suppl. Fig. S1 — IR spectrum of the complex $[\text{Cu}(\text{C}_{10}\text{H}_{14}\text{N}_{10}\text{S}_4)\text{Cl}_2]$



Suppl. Fig. S2 — Mass spectrum of the complex $[\text{Cu}(\text{C}_{10}\text{H}_{14}\text{N}_{10}\text{S}_4)(\text{OAc})_2]$

Suppl. Fig. S3 — Electronic spectrum of complex $[\text{Ni}(\text{C}_{10}\text{H}_{14}\text{N}_{10}\text{S}_4)(\text{OAc})_2]$ Suppl. Fig. S4 — Electronic spectrum of complex $[\text{Cu}(\text{C}_{10}\text{H}_{14}\text{N}_{10}\text{S}_4)(\text{OAc})_2]$ Suppl. Fig. S5 — TGA graph of the complex $[\text{Cu}(\text{C}_{10}\text{H}_{14}\text{N}_{10}\text{S}_4)\text{Cl}_2]$

Suppl. Fig. S6 — EPR spectrum of complex $[\text{Cu}(\text{C}_{10}\text{H}_{14}\text{N}_{10}\text{S}_4)(\text{NO}_3)_2]$ 

Suppl. Fig. S7 — Docked structure of Complexes (M4-M6) with enzyme and site of interaction

Suppl. Table S1 — MIC (ug/ml) of the synthesised complexes

Compounds	<i>B. subtilis</i>	<i>S. aureus</i>	<i>E. coli</i>	<i>P. aeruginosa</i>	<i>C. albicans</i>	<i>S cerevisiae</i>
M1	100	25	100	-	50	25
M2	12.5	6.25	6.25	50	50	12.5
M3	100	-	-	100	12.5	-
M4	50	12.5	12.5	12.5	6.25	100
M5	12.5	6.25	6.25	50	100	50
M6	50	100	-	-	12.5	50
Ciproflo.	6.25	6.25	6.25	12.5	-	-
Amphoter.					12.5	12.5
