Publications

1. DNA interaction studies of new nano metal based anti cancer agent: validation by spectroscopic methods.


Sartaj Tabassum, **Girish Chandra Sharma**, Farukh Arjmand and Ameer Azam. Research Highlight; *Nature India*. doi:10.1038/nindia.2010.59; Published online 10 may 2010.


Sartaj Tabassum, **Girish Chandra Sharma**, Farukh Arjmand *Nanotechnology* (Communicated).


5. New modulated design and synthesis of chiral Cu $\text{II}$ / Sn $\text{IV}$ bimetallic potential anticancer drug entity: in-vitro DNA binding and pBR322 DNA cleavage activity.

6. Comparative *in vitro* DNA binding profile and antitumor activity of chiral Cu(II) and diorganotin(IV) complexes: Mechanistic approach based on enantioselectivity and their influence on artificial nuclease activity.


7. *De novo* design of chiral organotin cancer drug candidates: validation of enantiopreferential binding to molecular target DNA and 5’-GMP by UV-visible, Fluorescence, $^1$H and $^{31}$P NMR.


8. New heterobimetallic Complexes of N, O donor and their interaction with DNA.