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**Research Interest:** Metallopharmaceuticals employing transition metals of the 3d- series are yet to be explored enough as far as cancer treatment is concerned. With the development of photodynamic therapy, as a new non-invasive treatment modality, the utility of 3d transition metals have just started to unveil. We utilize the bio-essentiality of 3d metals like Vanadium in the synthesis of photoactive Oxo-Vanadium complexes. *In vitro* models of human cancer are also evaluated with these potent drug-like molecules to check for any anti cancer activity they present. More recent interests are centered on “live-cell imaging” of cancer cells with photocytotoxic metal complexes bearing a fluorescent tag. This provides a “Birds eye view” of my current research interest.