

Dr. Rahul V. Khade (PhD Chemistry)

Assistant Professor (Cont.)

Institute of Bioinformatics & Biotechnology (IBB)

Savitribai Phule Pune University, Pune – 411007, India

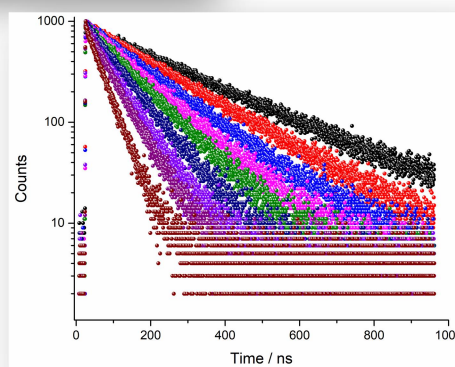
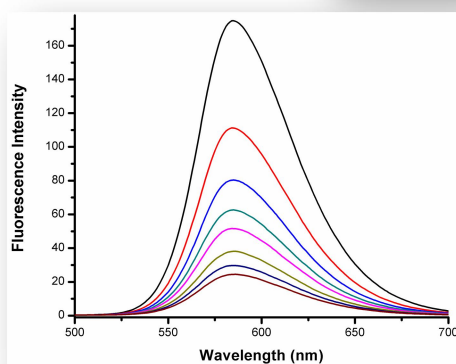
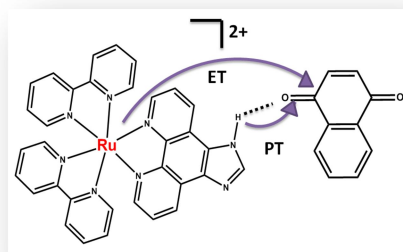
Email – rahulkhaderr@gmail.com

Research Interest



Fluorescence study of metal complex and their interactions.

Fluorescence studies of Ruthenium polypyridyl complexes and Proton-coupled Electron Transfer in Ruthenium (II) complexes.



Research Publications

1. Excited State Interaction of Ruthenium (II) Imidazole Phenanthroline Complex $[\text{Ru}(\text{bpy})_2\text{ipH}]^{2+}$ with 1,4-Benzoquinone: Simple Electron Transfer or Proton-Coupled Electron Transfer?
Rahul V. Khade, Sharmistha Dutta Choudhury, Haridas Pal, Avinash S. Kumbhar*
ChemPhysChem, 2018, 19, 2380-2388. (DOI: 10.1002/cphc.201800313)
2. NTO Sensing by Fluorescence Quenching of a Pyoverdine Siderophore—A Mechanistic Approach
Prashant A. Kulkarni, Vinod Nandre, Navanath Kumbhar, **Rahul V. Khade**, Tukaram Urmode, Kisan M. Kodam, Mahendra A. More*
ACS Omega 2020, 5, 17, 9668-9673. (DOI: 10.1021/acsomega.9b03844)
3. How Does the Urea Dynamics Differ from Water Dynamics inside the Reverse Micelle?
Abhigyan Sengupta, **Rahul V. Khade**, Partha Hazra*.
J. Phys. Chem. A, 2011, 115, 10398-10407. (DOI: 10.1021/jp206069z)
4. pH dependent dynamic behaviors of Flavin Adenine Dinucleotide (FAD) and Flavin Mononucleotide (FMN) in femtosecond to nanosecond time-scale.
Abhigyan Sengupta, **Rahul V. Khade**, Partha Hazra*.
J. Photochem. Photobiol. A: Chemistry, 2011, 221, 105-112. (DOI: 10.1016/j.jphotochem.2011.04.033)