

Publications

1. **Him Shweta**, Moirangthem Kiran Singh, Kavita Yadav, Sachin Dev Verma, Nibedita Pal and Sobhan Sen, "Effect of TT Mismatch on DNA Dynamics Probed by Minor Groove Binders: Comparison of Dynamic Stokes Shifts of Hoechst and DAPI" *J. Phys. Chem. B* **2017**, 121, 10735-10748. (**Cover Article**)
2. Moirangthem Kiran Singh, Mohammad Firoz Khan, **Him Shweta** and Sobhan Sen, "Probe-Location Dependent Resonance Energy Transfer at Lipid/Water Interfaces: Comparison between Gel- and Fluid-Phase of Lipid Bilayer" *Phys. Chem. Chem. Phys.* **2017**, 19, 25870-25885. (**Inside Front Cover Article**)
3. Moirangthem Kiran Singh, **Him Shweta** and Sobhan Sen, "Dispersed Dynamics of Solvation in G-Quadruplex DNA: Comparison of Dynamic Stokes Shifts of Probes in Parallel and Antiparallel Structures" *Methods Appl. Fluoresc.* **2016**, 4, 034009. (**Invited article for Special Issue: Optics Within Life Sciences- OWLS 2016**)
4. Moirangthem Kiran Singh,[†] **Him Shweta**,[†] Mohammad Firoz Khan and Sobhan Sen, "New Insight of Probe-Location Dependent Polarity and Hydration at Lipid/Water Interfaces: Comparison between Gel- and Fluid-Phase of Lipid Bilayers" *Phys. Chem. Chem. Phys.* **2016**, 18, 24185-24197.
([†] **Equal contribution**) (**Inside Front Cover Article**)
5. Nibedita Pal,[†] **Him Shweta**,[†] Moirangthem Kiran Singh, Sachin Dev Verma and Sobhan Sen. "Power-Law Solvation Dynamics in G-Quadruplex DNA: Role of Hydration Dynamics on Ligand Solvation inside DNA" *J. Phys. Chem. Lett.* **2015**, 6, 1754-1760. ([†] **Equal contribution**)
6. Sachin Dev Verma, Nibedita Pal, Moirangthem Kiran Singh, **Him Shweta**, Mohammad Firoz Khan and Sobhan Sen. "Understanding Ligand Interaction with Different Structures of G-Quadruplex DNA: Evidence of Kinetically Controlled Ligand Binding and Binding-Mode Assisted Quadruplex Structure Alteration" *Anal. Chem.* **2012**, 84, 7218-7226.