

## Complete List of Publications: Dr. Satyapriya Bhandari

- 1) Roy, S.; Pramanik, S.; Mondal, P.; Manna, M.; **Bhandari, S.\*** Hue and Chromaticity based Exploring of Surface Complexation Induced Tunable Emission from a Non-luminescent Quantum Dot. *Chem. Asian J.* **2019**, DOI: 10.1002/asia.201901107. (*\*as corresponding author*) (I.F. –3.698)
- 2) **Bhandari, S.;** Roy, S.; Pramanik, S.; Chattopadhyay, A. Chemical Reactions Involving the Surface of Metal Chalcogenide Quantum Dots. *Langmuir* **2019**, doi.org/10.1021/acs.langmuir.9b01285. (I.F. – 3.683)
- 3) Pramanik, S.; Roy, S.; Mondal, A.; **Bhandari, S.\*** Two Target Responsive Reversible Ratiometric pH Nanoprobe: A White Light Emitting Quantum Dot Complex. *Chem. Commun.* **2019**, 55, 4331-4334. (*\*as corresponding author*) (I.F. – 6.164)
- 4) **Bhandari, S.;**\* Pramanik, S.; Biswas, N.; Roy, S.; Pan, U. Enhanced Luminescence of Quantum Dot Complex Following Interaction with Protein for Applications in Cellular Imaging, Sensing and White Light Generation. *ACS Appl. Nano Mater.* **2019**, 2, 2358-2366. (*\*as corresponding author*) (I.F. – yet to come)
- 5) **Bhandari, S.;**\* Mondal, D.; Nataraj, S. K.; Balakrishna, G.; Biomolecules Derived Quantum Dots for Sustainable Optoelectronics. *Nanoscale Adv.*, **2019**, 1, 913-936. (*\*as corresponding author*) (I.F. – yet to come; Top Most Popular Article so far for 2019)
- 6) Roy, S.; **Bhandari, S.;** Manna, M.; De, S.; Chattopadhyay, A. The Nature of the Binding Chemistry of Quinolate Complexes on the Surface of ZnS Quantum Dots. *Phys. Chem. Chem. Phys.* **2019**, 21, 589-596. (I.F. – 3.906)
- 7) Basu, S.; **Bhandari, S.;** Pan, U. N.; Paul, A.; Chattopadhyay, A. Crystalline Nanoscale Assembly of Gold Clusters for Reversible Storage and Sensing of CO<sub>2</sub> via Modulation of Photoluminescence Intermittency. *J. Mater. Chem. C* **2018**, 6, 8205--8211. (I.F. – 6.641)
- 8) Pramanik, S.; **Bhandari, S.;** Pan, U. N.; Roy, S.; Chattopadhyay, A. A White Light Emitting Quantum Dot Complex for Single Particle Level Interaction with Dopamine Leading to Changes in Color and Blinking Profile. *Small* **2018**, 14, 1800323. (I.F. - 10.856)
- 9) Roy, S.; Pramanik, S.; **Bhandari, S.;** Chattopadhyay, A. Surface Complexed ZnO Quantum Dot for White Light Emission with Controllable Chromaticity and Color Temperature. *Langmuir* **2017**, 33, 14627–14633. (I.F. - 3.833)
- 10) Pramanik, S.; **Bhandari, S.;** Chattopadhyay, A. Zinc Quinolate Complexes Decorated CuInS<sub>2</sub>/ZnS Core/Shell Quantum Dot for White Light Emission. *J. Mater. Chem. C* **2017**, 5, 7291-7296. (I.F. - 5.256)
- 11) **Bhandari, S.;** Pramanik, S.; Khandelia, R.; Chattopadhyay, A. Gold Nanocluster and Quantum Dot Complex in Protein for Bio-friendly White Light Emitting Material. *ACS Appl. Mater. Interfaces* **2016**, 8, 1600–1605. (I.F. - 7.504)
- 12) **Bhandari, S.;** Khandelia, R.; Pan, U. N.; Chattopadhyay, A. Surface Complexation Based Biocompatible Magentofluorescent Nanoprobe for Targeted Cellular Imaging. *ACS Appl. Mater. Interfaces* **2015**, 7, 17552–

17557. (I.F. - 7.145)

- 13) Roy, S.; **Bhandari, S.**; Chattopadhyay, A. Quantum Dot Surface mediated Unprecedented Reaction of Zn<sup>2+</sup> and Copper Quinolate Complex. *J. Phys. Chem. C* **2015**, *119*, 21191–21197. (I.F. - 4.509)
- 14) Khandelia, R.; **Bhandari, S.**; Pan, U. N.; Ghosh, S. S.; Chattopadhyay, A. Gold Nanocluster Embedded Albumin Nanoparticles for Two-Photon Imaging of Cancer Cells Accompanying Drug Delivery. *Small* **2015**, *11*, 4075–4081. (*This article has been highlighted as Frontispiece of Small*). (I.F. - 8.315)
- 15) Pramanik, S.; **Bhandari, S.**; Roy, S.; Chattopadhyay, A. Synchronous Tricolor Emission-Based White Light from Quantum Dot Complex. *J. Phys. Chem. Lett.* **2015**, *6*, 1270–1274. (*This article has been featured in C&E News and ACS Live Slides presentation*). (I.F. - 8.539)
- 16) **Bhandari, S.**; Roy, S.; Pramanik, S.; Chattopadhyay, A. Double Channel Emission from a Redox Active Single Component Quantum Dot Complex. *Langmuir* **2015**, *31*, 551–561. (I.F. - 4.457)
- 17) **Bhandari, S.**; Roy, S.; Pramanik, S.; Chattopadhyay, A. Surface Complexation Reaction for Phase Transfer of Hydrophobic Quantum Dot from Nonpolar to Polar Medium. *Langmuir* **2014**, *30*, 10760–10765. (I.F. - 4.457)
- 18) **Bhandari, S.**; Roy, S.; Chattopadhyay, A. Enhanced Photoluminescence and Thermal Stability of Zinc Quinolate Following Complexation on the Surface of Quantum Dot. *RSC Adv.* **2014**, *4*, 24217–24221. (I.F. - 3.84)
- 19) **Bhandari, S.**; Begum, R.; Chattopadhyay, A. Surface Ion Engineering for Tuning Dual Emission of Zn<sub>x</sub>Cd<sub>1-x</sub>S Nanocrystals. *RSC Adv.* **2013**, *3*, 2885–2888. (I.F. - 3.708)
- 20) Dey, K. K.; **Bhandari, S.**; Bandyopadhyay, D.; Basu, S.; Chattopadhyay, A. The pH Taxis of an Intelligent Catalytic Microbot. *Small* **2013**, *9*, 1916–1920. (I.F. - 7.514)
- 21) Begum, R.; **Bhandari, S.**; Chattopadhyay, A. Surface Ion Engineering of Mn<sup>2+</sup>-Doped ZnS Quantum Dots Using Ion-Exchange Resins. *Langmuir* **2012**, *28*, 9722–9728. (I.F. - 4.187)