

LIST OF PUBLICATIONS

Papers published in refereed journals and those presented in seminars and conferences are listed below.

Publications in Refereed Journals.

1. Simi N. J., R. Vinayakan and V. V. Ison, Photoinduced electron transfer in novel CdSe-Cu₂Se type II core-shell quantum dots. RSC Advances, 9, 2019, 15092-15098.
2. Simi N. J., Libin Kuriakose, R. Vinayakan and V. V. Ison, CuInS₂-In₂Se₃ quantum dots-a novel material via a green synthesis approach. RSC Advances, 865, 2018, 37146-37150.
3. Simi N. J. and V. V. Ison, Structural and Optical Characterization of CuInS₂-In₂Se₃ Green Nanostructures by Hot Injection Method. Materials Today: Proceedings 8P1, 2019, 203-206.

Papers Presented in International / National Conferences.

- 1 Simi N. J. and V. V. Ison, Structural and Optical Characterization of CuInS₂-In₂Se₃ Green Nanostructures by Hot Injection Method. International conference on materials for energy and environment (ICMEE), February 23-24, 2018, Loyola College, Chennai.
- 2 Simi N. J. and V. V. Ison, Structural and optical characterization of amine stabilized CdSe Quantum Dots. International conference on advances in materials science (ICAMS), October 24-25, 2018, SreeSankara College, Kalady.
- 3 Simi N. J. and V. V. Ison, CdSe-Cu₂Se core shell heteronanostructures for photovoltaic applications. International conference on optoelectronic

- and nanomaterials for advanced technology (iCONMAT), January 3-5, 2019, CUSAT, Cochin.
- 4 Simi N. J. and V. V. Ison, Novel CuInS₂-In₂Se₃core/shell QDs synthesized in High Temperature route. National seminar on recent advances in materials science (RAMS), September 7-8, 2018, NSS Hindu College, Changanacherry.
- 5 Simi N. J. and V. V. Ison, CdSe-Cu₂Se type-II core shell quantum dots for photovoltaic applications. National seminar on materials, methods, sensors for electromagnetic applications (emMET II), January 24-25, 2019, Christ College, Irinjalakuda.
- 6 Simi N. J. and V. V. Ison, Photoluminescence quenching studies on ZnTe-ZnSe core-shell quantum dots. National seminar on recent advances in photochemistry (NSPC), February 21-22, 2019, St. Michel's College, Cherthala.
- 7 Simi N. J. and V. V. Ison, Quantum Dot Sensitized Solar Cells with Highly Efficient Type-II CdSe-Cu₂Se Core Shell Quantum Dots. Nano India 2019 - Biennial National Conference April 26-27th, 2019 @ Mahatma Gandhi University.