**List of publications from the thesis**


**Out of the thesis**


2. Synthesis and characterization of new environmentally benign tantalum-doped Ce$_{0.8}$Zr$_{0.2}$O$_2$ yellow pigments: Applications in coloring of plastics, V.S. Vishnu, **Giable George**, V. Divya, M. L. P. Reddy, *Dyes and Pigments*, 82, **2009**, 53.

3. Effect of molybdenum and praseodymium dopants on the optical properties of Sm$_2$Ce$_5$O$_7$: Tuning of band gaps to realize various color hues, V.S. Vishnu, **Giable George**, M. L. P. Reddy, *Dyes and Pigments*, 85, **2010**, 117.