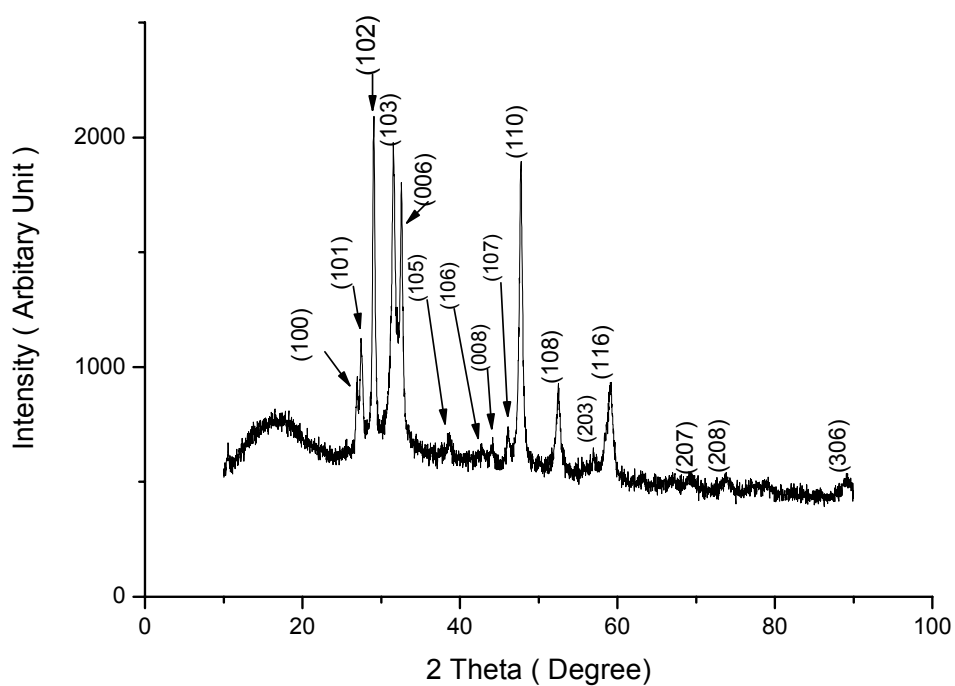


Supporting Information

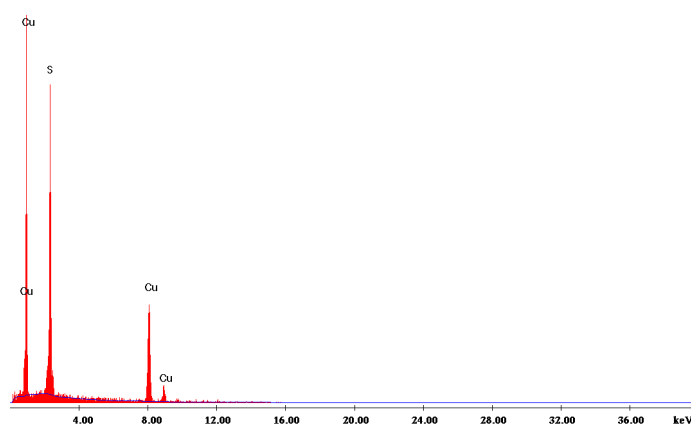
Facile hydrothermal synthesis and Observation of Bubbled Growth Mechanism in Nano-Ribbons Aggregated Microspherical Covellite Blue-Phosphor

Nirupam Banerjee and S. B. Krupanidhi*

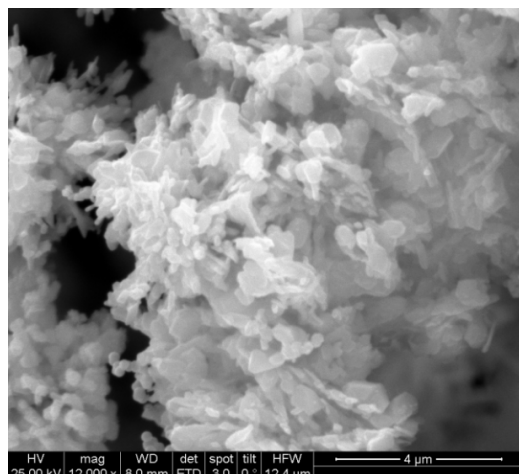
Materials Research Center, Indian Institute of Science, India – 560012



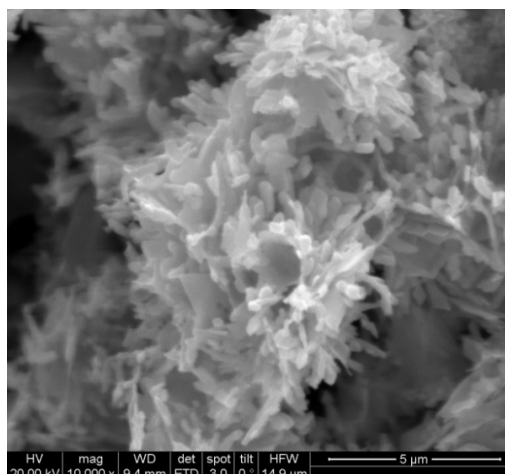
SI-1. X-Ray Diffraction Pattern of Prepared covellite powder.



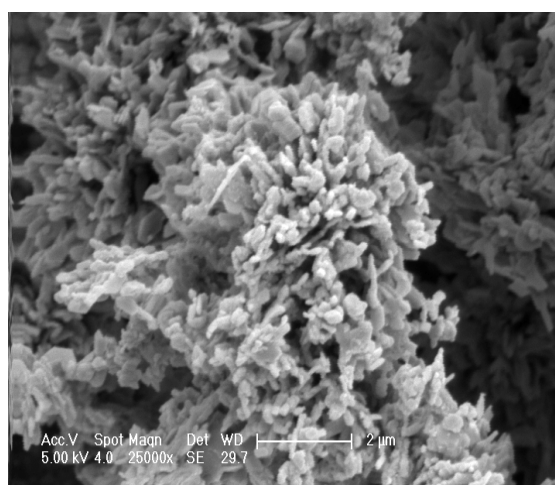
SI-2. EDX spectrum of covellite powders.



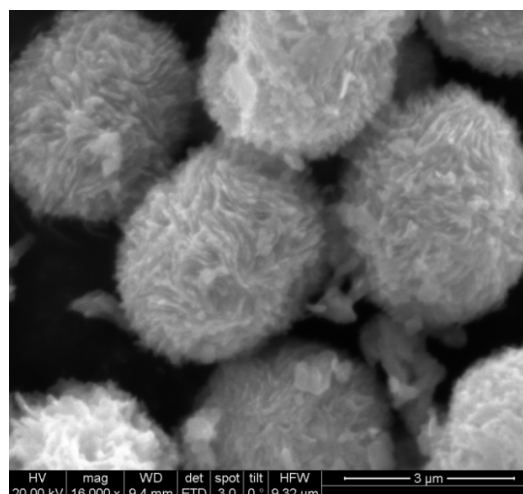
SI-3a



SI-3b



SI-3c



SI- 3d

SI-3. Scanning Electron Micrographs of Covellite (CuS) powder prepared hydrothermally at 170°C for 7 hours from a solution of Cu(II)-chloride and thiourea and in presence of identical conc. (0.04g/ml) different surfactants – 3a. no surfactant, 3b. A cationic surfactant - Cetyl Trimethyl Ammonium Bromide (CTAB); 3c. An anionic surfactant - Sodium Dodecyl Sulphate (SDS) and 3d. a neutral surfactant Poly Vinyl Pyrrolidone (PVP).