

List of Journal Publications

1. **B. J. Baruah**, K. C. Sarma “Remarkable Change of Structural, Optical, Photoluminescence and Electrical Properties of Chemically Prepared Nanocrystalline Films of PbS with Concentration of Triethanolamine (TEA)” *Journal of Materials Science: Materials in Electronics* **28** (2017) 5913
2. **B.J.Baruah**, M.N.Bora, L.Saikia, D.Saikia, P.Phukan, K.C.Sarma “Effects of Deposition Temperature on Structural, Optical and Electrical Properties of TEA Complexed Nanocrystalline Films of PbS Prepared from Lead Acetate with Reduced Concentration” *Journal of Materials Science: Materials in Electronics* **27** (2016) 3911
3. **B.J. Baruah**, K. C. Sarma “Effect of Concentrations of Lead Acetate on Structural, Optical and Electrical Properties of Chemically Deposited Nanostructured Films of PbS” *Journal of Basic and Applied Engineering Research* **3** (2016) 1179
4. **B. J. Baruah**, L. Saikia, M. N. Bora, K. C. Sarma “X-Ray Line Profile Analysis of Chemically Deposited Nanostructured PbS Films” *IOSR Journal of Applied Physics* **5** (2013) 7

Papers Presented in Conference

1. **B. J. Baruah**, K. C. Sarma “Effect of Concentrations of Lead Acetate on Structural, Optical and Electrical Properties of Chemically Deposited Nanostructured Films of PbS” *TECHNOVA-2016*, Dept. of Electronics & Communication Technology, Computer Science, IT, Instrumentation & USIC, Gauhati University, Guwahati (2016)
2. **B. J. Baruah**, K. C. Sarma “Optical Properties of Chemically Deposited PbS Nanostructured Film” *ICANN-2013*, Centre for Nanotechnology, IIT Guwahati (2013).
3. **B. J. Baruah**, K. C. Sarma “Structural Characterization of PbS Films by W H Plot” *National Seminar on Mathematical Sciences and its Interdisciplinary Approach*, Department of Mathematics, D. R. College & Assam Academy of Mathematics (2012)