Paramesh Chandra

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Education

2017 – **Ph.D. Physics, Visva-Bhatati**.
2015 – 2017 **M.Sc. Physics, Visva-Bhatati** CGPA: 6.9/10.
2012 – 2015 **B.Sc. in Physics, University of Calcutta** 59.6/100.
2010 – 2012 **Class XII, WBCHE** 83/100.
– 2010 **Class X, WBBSE** 83/100.

Skills

Languages — Strong reading, writing and speaking competencies for English, Bengali, Hindi.
Technical Skills — UV-Vis spectroscopy, XRD, SEM, Electrical and Dielectric Characterization.
Coding — C, C++, Python, R, LaTeX, Matlab. Scilab.
Software — SCAPS-1D, Quantum-Expresso, SRIM, TRIM, Origin, Word processors.
Web Dev — Jekyll, github-pages, HTML.
Misc. — Academic research, teaching, training, consultation, LaTeX typesetting and publishing.
IoT — Arduino, Raspberry Pi.

Research Publications

Journal Articles

1. Chandra, P., Saha, S., & Mandal, S. K. (2022). A dielectric study of Br-doped lead-free methylammonium bismuth chloride (CH3NH3)3Bi2BrxCl9x. *Applied Physics A*, *128*(6), 541. doi:10.1007/s00339-022-05677-9
2. Saha, S., & Chandra, P. (2022). Spin state bistability in (Mn, Zn) doped Fe(phen)2(NCS)2 molecular thin film nanocrystals on quartz. *Physica B: Condensed Matter*, 414128. doi:10.1016/j.physb.2022.414128
3. Chandra, P., & Mandal, S. K. (2021). Morphology controlled (CH3NH3)3Bi2Cl9 thin film for lead free perovskite solar cell. *Physica B: Condensed Matter*, *625*(April 2021), 413536. Publisher: Elsevier B.V. doi:10.1016/j.physb.2021.413536

Conference Proceedings

1. Chandra, P., Saha, S., & Mandal, S. (2022, July 6). Frequency and temperature-dependent dielectric characteristics of lead-free br doped perovskites (CH3nh3)3bi2cl9 and (CH3nh3)3bi2brxcl9-x. Journal Abbreviation: Materials Today: Proceedings Publication Title: Materials Today: Proceedings. doi:10.1016/j.matpr.2022.06.413