

Effect of various morphologies on the optical and electrical properties of γ - boehmite nanostructures

Shubham Roy¹, Anupam Maity^{1,2}, Paulami Mandal¹, Dipak Kr. Chanda^{3,4}, Kunal Pal⁵, Souravi
Bardhan¹, Sukhen Das^{1*}

¹Department of Physics, Jadavpur University, Kolkata-700032, India

²MLS Professor's Unit, Indian Association for the Cultivation of Science, Kolkata- 700032,
India

³Advanced Materials and Mechanical Characterization, CSIR-Central Glass and Ceramics
Research Institute, Kolkata- 700032, India

⁴School of Materials Science and Nano Technology, Jadavpur University, Kolkata-700032, India

⁵Department of Life Science and Biotechnology, Jadavpur University, Kolkata-700032, India

SUPPLEMENTARY DATA

*Corresponding Author: Sukhen Das

Address: Jadavpur University, Raja S.C.Mullick Road, Kolkata- 700032

Email id: sdasphysics@gmail.com

Contact No.: +91 9433091337

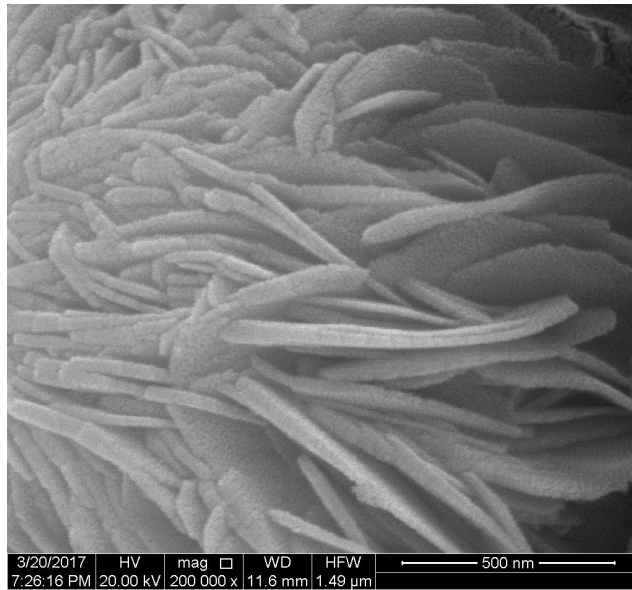


Fig. SD1 High resolution FESEM image of UBH sample.

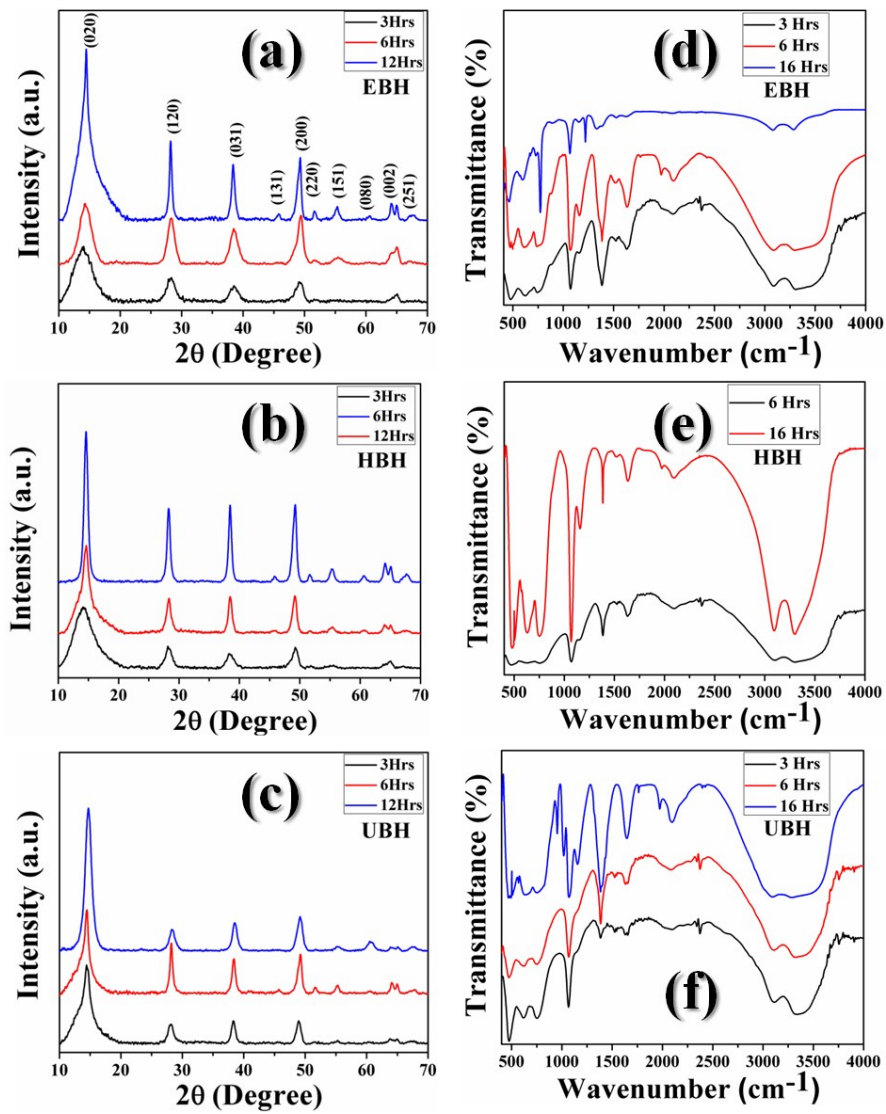


Fig. SD2 X-Ray Diffractograms (a-c) and FT-IR spectra (d-f) of EBH, HBH and UBH samples after 3, 6 and 16 hrs of hydrothermal reaction.