## Recommendations

## Future outlook of our investigation

Even though the fabricated BMI-epoxy nanocomposites with different nanofillers such as BT, RS and BTOH nanoparticles stand as a potential candidate for high insulating and dielectric applications, according to our investigation, further works could be performed for a better understanding of various properties and applications of these nanocomposites.

The following works could be performed in order to design and explore the applicability of BMI-epoxy nanocomposites.

Fabrication of BMI-epoxy composites using other nanofillers like strontium titanate (dielectric constant 800), barium strontium calcium titanate (dielectric constant 16,600) and calcium copper titanate (dielectric constant 10,000) for further enhancement in dielectric properties.

Modification of Rochelle salt crystals and BTOH to use them as nanofillers for synthesising BMI-epoxy nanocomposites with better insulating and dielectric properties.

- SAXS measurements for interphase characterisation studies.
- Impedance and ferroelectric studies of the fabricated nanocomposites.
- Fabrication of BMI-epoxy-MWCNT composites using other nanofillers like strontium titanate, barium strontium calcium titanate and calcium copper titanate for further enhancement in dielectric properties, conductivity studies and EMI-SE.