

## Chapter 6

### Suggestions for Future Work

This thesis consists of the basic information to understand the dielectric properties and microstructure of  $(1-x)\text{BNT}-x\text{BaT}$  and  $(1-x)[0.90\text{BNT}-0.10\text{PT}]-x\text{BaT}$  systems. However, some properties of the modified compositions should be studied further;

1. To study the suitable sintering temperature to attain the max  $K'$  and highest density and to investigate the effect of density on the dielectric properties.

2. To study the structure at morphotropic phase boundary (MPB) and a small range of MPB.

3. To study other dielectric properties, such as degradation, electrical breakdown strength.