CHAPTER II
OBJECTIVES

The objectives of this research were:

1. To produce *E. coli* transformants carrying recombinant vectors (cloning and expression) with inserts of gene sequences encoding PB1, PB2 and PA proteins of influenza A virus
2. To produce recombinant PB1, PB2 and PA proteins in prokaryotic expression system and to purify them
3. To select phage clones displaying human ScFv specific to PB1, PB2 and PA proteins from an antibody phage display library readily constructed in our laboratory by using recombinant PB1, PB2 and PA-based bio-panning process (Production of phage clones displaying human ScFv to PB1, PB2 and PA proteins)
4. To test the binding specificity of the so-produced human ScFv against the homologous proteins