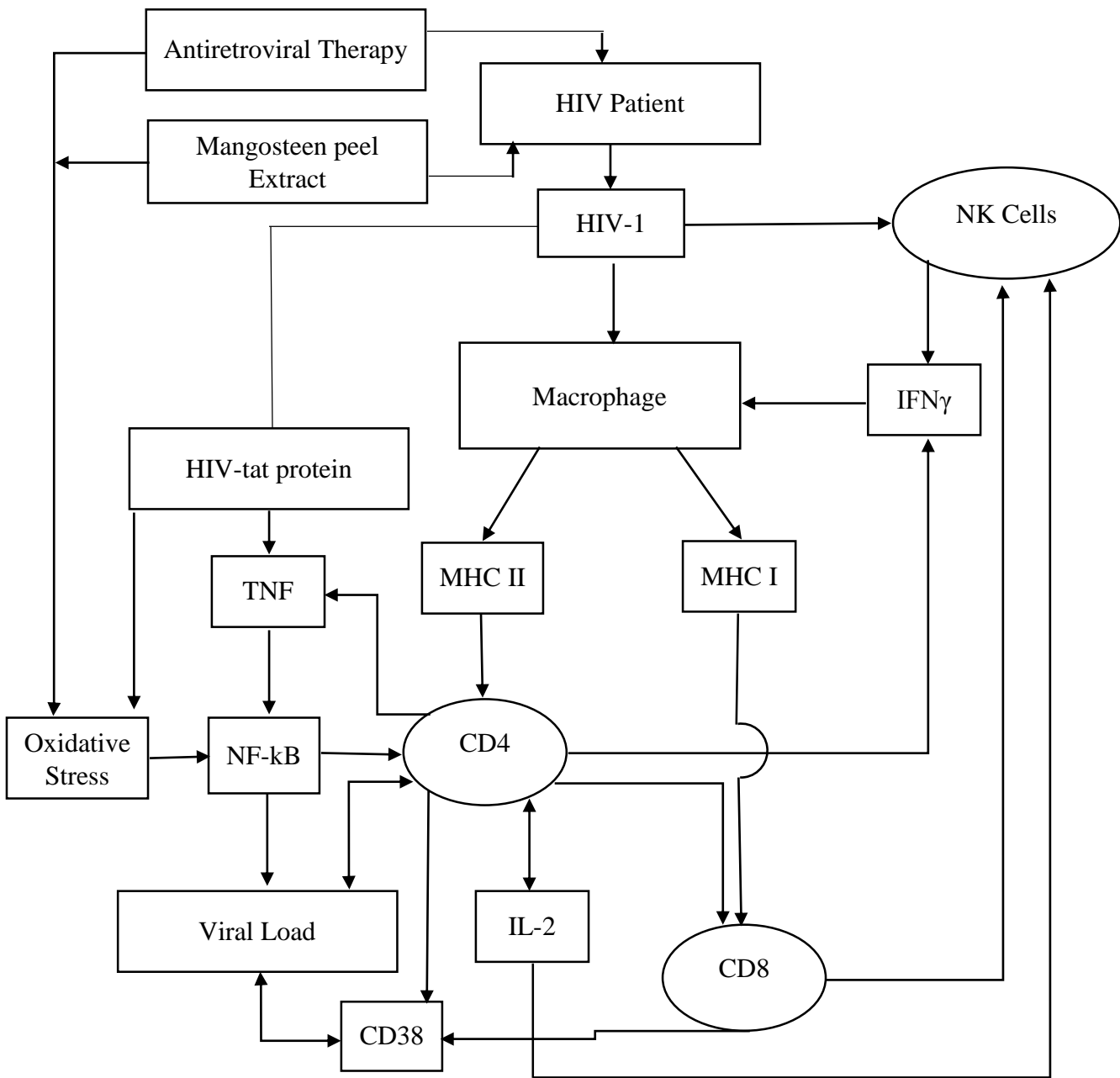
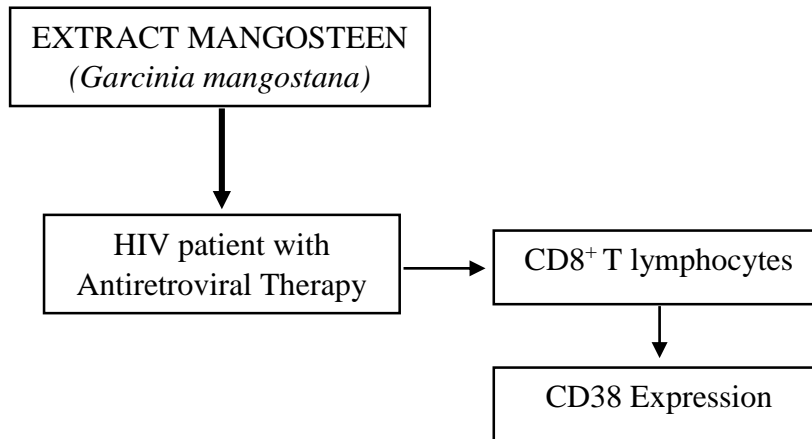


**CHAPTER III**  
**THEORITICAL AND CONCEPTUAL FRAMEWORK**  
**HYPOTHESIS**

**3.1 Theoretical framework**



### 3.2 Conceptual framework



### 3.3 Hypothesis

#### 1. Major hypothesis

Mangosteen (*Garcinia mangostana*) peel extract has effect on CD8<sup>+</sup> T lymphocytes and CD38 expression in HIV patients with antiretroviral therapy

#### 2. Minor hypothesis

2.1 Mangosteen (*Garcinia mangostana*) peel extract has effect to decrease the number of CD8<sup>+</sup> T lymphocytes in HIV patients with antiretroviral therapy

2.2 Mangosteen (*Garcinia mangostana*) peel extract has effect to decrease the level of CD38 expression in HIV patients with antiretroviral therapy