

## **Abstract**

It is well documented that PDT has become a major approach for diagnosis and treatment of cancer. However, PDT was early discovered as a photodynamic antimicrobial chemotherapy and it has recently received considerable attention from researchers due to the fact that it has shown promise in the treatment of various tropical pathogens. In addition, PDT has been utilized successfully in recent years as a novel modality for noxious insects and parasite control, which is the subject of this chapter. The different classes of noxious insects, namely the activity of medical insects of vector borne-diseases such as Malaria, Filaria, and Dengue fever and agro-insects and pests which cause considerable damage to agro-economics, will be discussed in this chapter.