

### **Output from this research work**

- 1). Among the isolated compounds from *E. prostrata*, wedelolactone (6) and orobol (5) are responsible for anti-HIV-1 IN activity. This finding also supports the use of *E. prostrata* in AIDS treatment which agrees with its traditional use for treatment of blood-related diseases.
- 2). The present study may support the use in Thai traditional medicine of *K. parviflora* for treatment of inflammatory-related diseases through the inhibition of NO and PGE<sub>2</sub> releases, but partly due to that of TNF- $\alpha$ .

### **Publications from this research work**

- 1). Tewtrakul, S., Subhadhirasakul, S., Cheenpracha, S., Karalai, C. HIV-1 protease and HIV-1 integrase inhibitory substances from *Eclipta prostrata*. *Phytotherapy Research*, 2007, 21:1092-1095. (impact factor 2007 = 1.430)
- 2). Tewtrakul, S., Subhadhirasakul, S. Effects of compounds from *Kaempferia parviflora* on nitric oxide, prostaglandin E<sub>2</sub> and tumor necrosis factor-alpha productions in RAW264.7 macrophage cells. *Journal of Ethnopharmacology*. 2008, 120: 81-84 (impact factor 2007 = 2.047)