

## **Abstract**

Let  $R$  be a commutative ring with unity.  $M$  an  $R$ -Module.  $M$  is called **coprime module**

(Dual notion of prime module) if  $\text{ann } M = \text{ann } M/N$  for every proper submodule  $N$  of  $M$ . In

This research we study coprime modules we give many basic properties of this concept. Also we give many characterization of it under certain of module. Finally we investigate the behavior of coprime modules under localization.