## Multiplicative Ideal Theory: Past and Recent

Evrim Akalan

## Contact: eakalan@hacettepe.edu.tr, Hacettepe University

**Abstract:** The aim of this talk is to survey noncommutative rings from the view point of multiplicative ideal theory and propose a generalization of hereditary Noetherian prime rings. The main classes of rings considered are maximal orders, Krull orders (rings), unique factorization rings, generalized Dedekind prime rings and hereditary Noetherian prime rings. We report on the description of reflexive ideals in Ore extensions and Rees rings. Further we give necessary and sufficient conditions for well-known classes of rings to be maximal orders.