



HACETTEPE ÜNİVERSİTESİ MATEMATİK BÖLÜMÜ GENEL SEMİNERİ

(HACETTEPE UNIVERSITY MATHEMATICS GENERAL SEMINAR)

Tarih (Date): 09.01.2019, Çarşamba (Wednesday)

Saat (Time): 15.30

Yer (Place): Yaşar Ataman Seminer Salonu

Konuşmacı (Speaker): Morteza Ahmadi, Tarbiat Modares University (İran)

Başlık (Title): Rings with nil singular ideals

Özet (Abstract):

It is well known that when a ring R satisfies ACC on right annihilators of elements, then the right singular ideal of R is nil, in this case, we say R is right nil-singular. We show that there exist right nil-singular rings which do not satisfy ACC on right annihilators of elements. The behavior of the nil-singular condition is investigated with respect to various constructions, in particular skew polynomial rings of both endomorphism type and derivation type, and triangular matrix rings. Some families of nil-singular rings are presented and connections to related classes of rings are investigated. The class of right nil-singular rings is closed under direct sums and contains the classes of generalized Baer rings and generalized p.p. rings (and their $*$ -analogues).