



**FINITE  $p$ -GROUPS WITH MAXIMUM NUMBER OF  
CLASS-PRESERVING AUTOMORPHISMS**

MANOJ KUMAR YADAV

Motivated by a result of Burnside (proved a century ago), I studied finite  $p$ -groups having maximum number of (conjugacy) class-preserving automorphisms. I'll discuss about this work, where I show that in most of the cases, finite  $p$ -groups having maximum number of class-preserving automorphisms actually have minimum number of such automorphisms which are non-obvious. Obvious class-preserving automorphisms are inner automorphisms.

HARISH-CHANDRA RESEARCH INSTITUTE, ALLAHABAD, INDIA  
*E-mail address:* myadav@hri.res.in