

# Donnie Munyao Kasyoki

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## EDUCATION

- Ph.D. in Pure mathematics, Maseno University, (to graduate).  
**Thesis title:** Regular prime graphs of selected classes of nonabelian finite groups
- Msc in mathematical sciences, Stellenbosch University (South Africa), 2013.  
Awarded in association with African Institute for Mathematical Sciences (AIMS - SA).  
**Project:** 4-Regular prime graphs of solvable groups.
- Bachelor of Education (Arts), Maseno University, 2011.
- Kenya Certificate of Secondary Education, Mbaikini High School, 2005.
- Kenya Certificate of Primary Education, Wamunyu ABC Primary School, 2001.

## RESEARCH EXPERIENCE

My research interests are in the areas of representation theory and character theory of finite groups. I recently completed my PhD in pure mathematics and awaiting graduation. The following topics are of interest at the moment:

1. Classification of solvable groups whose prime graphs are regular
2. Determining the prime graphs of nonsolvable groups that are  $K_n$  free for some positive integer  $n$ .

## TEACHING EXPERIENCE

**Institution:** Maseno University

**Department:** Department of Pure and Applied Mathematics

**Designation:** Tutorial Fellow

**Duties:** Lecturing various courses to undergraduate students, including Calculus, Group theory, Linear algebra, Introduction to analysis, Computers applied to mathematics, etc.

**Year:** 2013-to date

## HONORS AND AWARDS

- October 2013: Awarded Tutorial Fellowship at Maseno University
- August 2011: Awarded a scholarship by AIMS to undertake an Msc. in Mathematical Sciences, Cape Town, South Africa.
- December 2011: Awarded a First Class Honours Degree at Maseno University.

## **SKILLS AND TRAINING**

**Teaching:** I have seven years of experience teaching at a university level.

**Research skills:** I have experience in conducting research from my post-graduate work.

## **LEADERSHIP EXPERIENCE**

**2015-2019:** Secretary, SMSAS welfare.

## **CONFERENCES AND WORKSHOPS**

September 2018: Presented a paper at the algebra seminar series, Maseno University.

October 2012: Attended the annual conference of the South African Mathematical Society, Stellenbosch University.

## **PUBLICATIONS**

1. Kasyoki, D. M., and Oleche, P. O. (2016). On regular prime graphs of solvable groups. *International Journal of Algebra*. **10 (10)**:491-494.
2. Kasyoki, D. M., and Oleche, P. O. (2019). 4-Regular prime graphs of nonsolvable groups. *International Journal of Group Theory*. ISSN (print): 2251-7650, ISSN (online): 2251-7669.