APPLICATION FOR IMU ASSOCIATE MEMBERSHIP-KENYA

1. **ADHERING ORGANIZATION**

   **Mathematics Association of Kenya (MAK)**

   School of Mathematics
   College of Biological and Physical Sciences
   University of Nairobi
   P.O. Box 30197
   00100 Nairobi
   EMAIL: maths@uonbi.ac.ke/mathskenya@gmail.com

2. **COMMITTEE OF MATHEMATICS**

   **Mathematics Association of Kenya  (MAK)**

   Prof. John Okoth Owino, chairman
   School of Mathematics
   University of Nairobi
   P.O. Box 30197
   00100 Nairobi
   EMAIL: owino@uonbi.ac.ke
3. **MATHEMATICS SOCIETIES AND ORGANIZATIONS**

<table>
<thead>
<tr>
<th>SOCIETIES/ ORGANIZATIONS</th>
<th>MEMBERS APPROX.</th>
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</thead>
<tbody>
<tr>
<td>Mathematics Association of Nairobi University (MANU)</td>
<td>600</td>
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<tr>
<td>Mathematics Association of Kenya</td>
<td>1100</td>
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<tr>
<td>Kenya National Academy of Sciences</td>
<td>150</td>
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<tr>
<td>Nairobi University Statistics Association(NUSA)</td>
<td>55</td>
</tr>
<tr>
<td>International Biometry Society Group – Kenya</td>
<td>300</td>
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<tr>
<td>Nairobi Actuarial Students Association(NA’SA)</td>
<td>130</td>
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4. **Activities in Mathematics**


   II. Annual High School Mathematics contest of Nairobi University (YEAR EVENT)

   III. A number of conferences in mathematics and applications at least Biannually.

5. **List Of Universities With Significant Research In Mathematics**

   i. University of Nairobi,

   ii. Kenyatta University,

   iii. Jomo Kenyatta University of Agriculture and Technology,

   iv. Egerton University,

   v. Moi University,

   vi. Maseno University,
vii. Masinde Muliro University,
viii. Catholic University of East Africa, University of East Africa – Baraton,
ix. African Nazarene University,

x. Daystar University,

xi. United States International University(Nairobi-Kenya)
xii. Kenya Methodist University,
xiii. Kereri Women’s University,
xiv. Kabarak University and
xv. Strathmore University

There are approximately 22 Research Professors teaching mathematics in different colleges and universities in Kenya,

Kenya has a total of 16 recognized universities of which are public and the rest private. Although in most universities mathematics is taught as a service course for most of the programs offered only the public universities have a well structured mathematics programs that include postgraduate studies which attract significant research.

Due to overwhelming teaching load many PhD holders in various field do not attain the status of professorship, however many are still involved in research in various areas of mathematics. I cite over 70 who are making meaningful contributions in the area of research. It should be noted that research is not yet to the level that it should be, but many institutions of Higher learning are putting down strategies which will uplift this core area for mathematical study.
As an example university of Nairobi is determined to be a premier in the field of research.

Among the notable mathematicians the country considers well known world wide include

i. Prof Owino John Okoth-Director School of Mathematics, University of Nairobi
ii. Prof Ganesh P. Pokhariyal –Head Applied and Industrial Mathematics, University of Nairobi
iii. Prof Wandera Ogana- Professor, School of Mathematics, University of Nairobi
iv. Prof John Wycliffe Odhiambo - Vice Chancellor, Strathmore University, Kenya
v. Prof George Saitoti- Minister for Internal Security and Member of Parliament in Kenya, Was also former Vice President of the Republic of Kenya.

6. Mathematical Journals Published in Kenya

i. East African Journal of Statistics
ii. Kenyan journal of Science and Technology, has a section for Mathematics research articles in its series
iii. Discovery and Innovations, has a section for mathematical articles.

7. The number of Publications that have been produced by mathematicians living in the country in the past 10 years is well more than 300, below is a short list of some of the publications.

Publications


22. Modeling Environmental, Epidemiological and Social Influences of Urbanization - 2000 23rd Conference on Regional and urban statistics and Research, 12th - 15th June, Lisbon, PORTUGAL; Proceeding of conference (CD)


25. Mathematics and Science for Industrial Development - 2000 Computer Age, pp. 6-8


44. A dynamical model for stage-specific HIV incidences with application to sub-Saharan Africa – 2003 *Journal of Applied Mathematics and Computation Vol. 146, page*


49. Monograph On linear transformation of curves in Hilbert Spaces and covariance theory of stationary stochastic functions - 2001-2002 In the process of publication


54. Joint modelling of repeated measurements and event time: Application to performance traits and survival of lambs bred in sub-humid tropics” Genetic Selection Evolution, 37: 175-197. - 2005

