

RESUME

BIODATA.

NAME: Jack Amimo Okumu

DATE OF BIRTH: April, 1957

PLACE OF BIRTH: Nyando District, Kisumu County, Kenya

MARRITAL STATUS: Married

RELIGION: Christian

EMPLOYMENT STATUS: Lecturer (permanent)

CURRENT EMPLOYER: Maseno University

MAILING ADDRESS: Maseno University
Department of Physics & Materials Science,
P.O Box 333,
Maseno.
Kenya.

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TELEPHONE: 0722 613 143 or 0772 269 762

EDUCATION:

UNIVERSITY EDUCATION:

Kenyatta University (1988 – 1994).

Award: Master of Science (MSc) in Physics (1994)

Area of study: Applied Electronics.

Subject: Microcomputer-based speech synthesizer

University of Nairobi (Kenyatta University college, 1980 – 1984)

Award: Bachelor of Education (Science), 2nd Class Honours

(upper division); major in Physics and minor in Mathematics.

Maseno University, 2000.

Registered for PhD (Physics); Area of study: *Applied Electronics*.

HIGH SCHOOL EDUCATION.

Mombasa Polytechnic (1978 - 1979).

Award: East Africa Advanced Certificate of Education (E.A. A .C. E)

Subjects: Physics, Pure Mathematics and Applied Mathematics.

Grade: Three (3) principles.

Machakos Technical School (1976 – 1977, forms 3 and 4).

Award: East Africa Certificate of Education (E.A.C.E), 1977.

Grade: 1st Division (with bias in Electrical Engineering).

Homa Bay High School (1974 – 1975), forms 1 and 2.

PRIMARY SCHOOL EDUCATION.

Ombaka Primary School (1965 – 1973).

Award: Certificate of Primary Education (CPE)

Grade: 31 points out of a maximum of 36 points.

SCHOLARSHIP.

Received a full DAAD scholarship for two (2) years to undertake MSc study at Kenyatta University (1988 - 1990).

CONFERENCES/WORKSHOPS ATTENDED AND PARTICIPATED.

All Kenya Physical Society conferences held at University of Nairobi (Chiromo campus) in the years 1991 – 1996.

Various workshops organized by the Ministry of Education between 1985 and 1987 on the implementation of 8-4-4 System of Education.

WORK EXPERIENCE.

April 1998 to date: Lecturer in the Department of Physics & Materials Science, Maseno University.

Acted as Head of Department (H.O.D) many times.

Timetable and Examination Coordinator from 1998 to 2014.

Contributed significantly in the area of electronics in the book, **Fundamentals of University Physics**, authored by Prof. H. Othieno of Department of Physics & Materials Science, Maseno University.

2010 and 2011: Part-timed at Masinde Muliro University of Science and Technology (MMUST) in the Department of Physics

2012 - 2016: Part-timer at Jaramogi Oginga Odinga University of Science and Technology (JOOUST) in the Department of Physics.

2014: Teamed with Prof. Akeyo of Dept of Physics and Materials Science, Maseno University, in revising undergraduate programmes of the Dept. of Physics at Jaramogi Oginga Odinga University of Science and Technology (JOOUST) .

1994 –1998: Tutorial Fellow (TF), Dept of Physics, Kenyatta University

1991–1994: Graduate Assistant (GA), Dept of Physics, Kenyatta University.

1984 – 1988: High school teacher (Physics and Mathematics) at Ran’gala Girls high school (Siaya County).

Head of Department (Physics) from 1985-1988.

Deputy Principal in the years 1986 and 1987.

RESEARCH INTEREST.

Area of research interest is **Applied Electronics**, specifically **Microcomputer-based Irrigation System: Design and construction of a low-cost stand-alone system that uses irrigation water economically and environment friendly.**

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