



Eng. Gichuki Muchiri
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PERSONAL INFORMATION.

DATE OF BIRTH: APRIL 1940
NATIONALITY: KENYAN
PROFESSION: AGRICULTURAL ENGINEER.

KEY QUALIFICATIONS

Since 1966 when he graduated from Technion, Israel Institute of Technology, Engineer Gichuki Muchiri has gained wide experience in teaching, research, institution development, project management and administration and on the job training of graduate engineers as well as in planning, design and construction of Agricultural Engineering Projects. He was the founding Chairman of Agricultural Engineering Department of the University of Nairobi, Chairman Kenya Pipeline company with profit before tax of over Shs,206 million, Chief Engineer, Agricultural Development Corporation, Chief Engineer Ministry of Agriculture. He has acted as principal Consultant for Agricultural mechanisation, post harvest processing, preservation and storage. Later he was the project Consultant / co-ordinator for the UNDP / AGROTEC/ Ministry of Agriculture on Agricultural Mechanisation Strategy Formulation for Kenya.

EDUCATION AND PROFESSIONAL QUALIFICATION

1962	-	1966	BSc Agric. Eng. Israel Institute of Technology
1967	-	1969	MSc Agric. Eng. Iowa State University
		1970	Associate Member ASAH.
		1975	Member Kenya Society of Agricultural Engineers.
		1979	Member Institution of Engineers of Kenya.
		1979	Registered Engineer (R. Eng.) Kenya.

EMPLOYMENT RECORD

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| (i) | 1994 to Date | Senior Lecturer
Agricultural Engineering Department, University of Nairobi. |
| (ii) | 1988 - 1993 | Deputy Director / Chief Engineer Ministry of Agriculture. |
| (iii) | 1974 - 1987 | Lecturer / Senior Lecturer and Chairman Agricultural Engineering Department University of Nairobi. |
| (iv) | 1970 - 1974 | Development Officer (Engineering, Agricultural Development Corporation.). |
| (v) | 1969 | Lecturer University of Nairobi. |
| (iv) | 1966 | Assistant Lecturer University of Nairobi. |

EXPERIENCE RECORD

Teaching and Research

Since graduating with BSc in Agricultural Engineering at the Technion Israel Institute of Technology, Haifa in 1966, Engineer Muchiri was appointed Assistant Lecturer in Mechanical Engineering Department of the University of Nairobi. After completing MSc in Agricultural Engineering (crop processing) at Iowa State University in 1969 on UNESCO Scholarship, he was appointed Lecturer in Agricultural Engineering in the University of Nairobi. Since then, though not continuously he has gained 25 years of experience in teaching and research namely;

- Crop processing, preservation and storage.
- Agricultural Mechanization
- Rural Structures.

He has also carried out research on Farm Equipment Development for small-holder semi-arid Agriculture. Some of the papers and reports were:

1. Gichuki Muchiri. 1969. Resistance to airflow through shelled corn. Unpublished MSc Theses. Iowa State University.
2. Gichuki Muchiri. 1981. Farm Machinery Manufacture and use in Kenya. United Nations

Industrial Development Organization , Kenya Position paper.

3. Gichuki Muchiri et al, 1985. Animal Drawn Equipment Development in Kenya. In Agricultural Machinery Manufacturing Excess capacity in Kenya by IFTIKHAR ARMED and Bill Kinsey, International Labour Office, Geneva.
4. Ministry of Agriculture. 1994. National Agricultural Mechanization Strategy Formulation for Kenya. Project Coordinator and author of the summary document.
5. Gichuki Muchiri. 1985. Chapter three of the book: Farm equipment Development for Small Holders in Semiarid Areas of Southeastern and Central Africa. Edited by Iftikhar Ahmed and Bill Kinsey. Gower Publishers.
6. Gichuki Muchiri et al. 1994. Methodological Guidelines for Agricultural mechanisation strategy formulation , AGROTEC and FAO.
7. Gichuki Muchiri. 2004 Conservation Tillage and Food production in Semiarid Tropics of Africa: Kenyan case study. Paper presented in the annual meeting, of American Society of Agronomy, SEATTLE U.S.A.
8. Gichuki Muchiri. 2004. Conservation tillage Equipment productivity quantified. A case study in semiarid smallholder Agriculture in Eastern Kenya. Unpublished PhD Thesis submitted for examination. University of Nairobi.

Engineering practical Experience

As Development Officer (Engineering) for the Agricultural Development Corporation (ADC), a Large Parastatal Farming Organization, he was in charge of: election, Operation and maintenance of all ADC farm machinery and post harvest processing facilities in over ten large scale farms in Rift Valley and Nyanza Provinces. Design and Construction of farm water supplies, grain processing, storage facilities and livestock housing.

As Chief Engineer Ministry of Agriculture, Livestock Development and Marketing, (six years full time) he was responsible for the supervision, direction and guidance of the 500 technical personnel of various technical categories in the Engineering Division of the Ministry of which 100 were professional engineers. The works in progress comprised:

- Rural technology development for small farms,
- Coffee factory construction and process engineering.
- Water harvesting and soil conservation engineering.
- Irrigation and drainage engineering (six years full time).
- Training of graduate engineers, technicians and craftsmen.

As the Project Liaison Engineer for the South West Kano Irrigation Scheme, he was involved in the contract Management and liaised closely with consulting engineers involved in the project who were Euroconsult and later Wanjohi Consulting Engineers who supervised the construction carried out by M/s Broadway Construction Company contractors on a project sum of Kshs. 30,000,000.

Working part time, he also undertook the following consultancy assignments:

- Principal Consultant, Mwenge International Associates. Client Ministry of Agriculture / World
- Bank. Agricultural Mechanisation Study for Narok, Kenya (6 months full time).
- Senior Consultant, FAO / Ministry of Agriculture. Soil and Water Conservation Research Priorities for Semi-arid Kenya (3 weeks full time).
- Project Consultant / Co-ordinator. UNDP / AGROTEC / Ministry of Agriculture, National Agricultural Mechanisation Formulation for Kenya (3 years part time).
- Principal Resource Person; National Workshop on Agricultural Mechanisation Strategy Formulation for Uganda (10 days).

	SPEAKING	READING	WRITING
LANGUAGES			
ENGLISH	EXCELLENT	GOOD	EXCELLENT
KISWAHILI			FAIR.

Public Service

- 1978-1982 Member Board of Governors Egerton College.
- 1980- 1990 Member Agricultural Sciences Specialist Committee National Council for Science and Technology Kenya.
- 1979 - 1981 Member FAO Panel of Experts on Agricultural Mechanisation
- 1980 - 1986 Chairman Kenya Pipeline Company
- 1983 - 1995 Member Institution of Engineers of Kenya Council.

HOBBY:

BIBLE STUDY AND FARMING.