



# CURRICULUM VITAE

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**DICKSON RAPHAEL NYIKA**

**Citizenship:** **Tanzanian** ▪ **Date of birth:** **04<sup>th</sup> May, 1968** ▪ **Place:** **Lushoto-Tanga.**

**Sex:** **Male** ▪ **Marital status:** **Married**- **Language:** **English, Kiswahili and Smbaa**

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## PERSONAL PROFILE

I am a very hard working person with an excellent range of skills, and ability to use my own initiatives. I am able to work independently, as well as part of a team. I can work well to meet deadlines and have ability to priorities my workload. I am very good in planning and organizing my work. I like to learn new skills along the way. I have high level of motivation and a strong desire to excel; overall I enjoy working with people with all its unpredictable emotions, personalities and attitudes.

I am highly specialized in the field of Business Information Management at masters' level in areas of Advanced Database, Logistic Operations, Decision Support Systems, Usability Studies, Internet and Information Security, Study Skills and Research methodology, Project Management as well as Enterprise Systems.

I am also trained in crops and Livestock production, managements and treatments, irrigation, seed technology and Entrepreneurship. Also I have knowledge of information and communication managements particularly in Geographic Information System and Agricultural Communications. I have experiences on that skill through my daily activities at my working

From the course of agriculture studied I have gained an ability to integrate theoretical and practical knowledge in general area of agriculture together with the necessary skills to implement crop and animal production enterprises. I have also capable of work with window programs such as window perfect, Microsoft Word, Access, Excel, Power Point, Map info, ArcGIS, QGIS, Grass GIS, R. Studio, Mobile Survey, GeoSurvey, ArcView, ArcMap, Dream weaver and Visual Basic and internet. For that reason, I have ability to work and learn on my own initiative or as part of team, effective problem resolution abilities.

## ACADEMIC QUALIFICATIONS

**2014 – 2015** MSc. in Management Information Systems, Coventry University, UK

**Thesis:** The Role of Mobile Phones in Driving Efficiency to the Dissemination of Agricultural Technologies to Farmers in Tanzania

**2009 – 2012** B.Sc. Agriculture General, Sokoine University of Agriculture (SUA), Morogoro

**Thesis:** Evaluation of Agronomic and Growth Characteristics of Selected Upland Rice Cultivars

**2004 -2005 Diploma** in Geographic Information System (GIS) University Collage of Lands and Architectural Studies (UCLAS) Dar es Salaam, Tanzania

**2002 -2004 Diploma** in General Agriculture Ministry of Agricultural Training Institute (MATI), Uyole, Mbeya. Tanzania.

## WORKSHOP AND SHORT COURSES ATTENDED

| DATE        | INSTITUTION   | WORKSHOP AND COURSE ATTENDED  |
|-------------|---|---|
| 1998 – 1999 | Urban Vegetable Promotion Project (UVPP) and Ministry of Agriculture and Food Security  | Certificate of Urban Extension and Vegetable production Techniques.                       |
| 1999        | Small Industrial Development Organisation ( SIDO )                                      | Certificate in Moderation Techniques  |
| 1999        | Ministry of Agriculture Training Institute Tengeru, Arusha.                             | Certificate in Vegetable and Fruits Production.   |
| 1995 – 2001 | University Collage of Lands and Architectural Studies (UCLAS) Dar es Salaam - Tanzania. | Certificate of Urban Environmental Management and Planning (Using GIS and Remote Sensing) |

|      |   |  |
|------|---|--|
| 2006 | Muheza Vector Control Institute                   | Certificate of Attendance in Mosquito Ecology & Vector Control                                 |
| 2006 | Durham University in United Kingdom (UK)          | Short course in Mathematical Model in Entomological applications.                              |
| 2007 | In-service Training Trust Lusaka, Zambia          | Production of Agricultural Extension Materials   |
| 2007 | Ifakara Health Research and Development Centre    | Certificate GIS Operations   |
| 2008 | Sugar research Institute Tumbi, Kibaha - Tanzania | Library and Automation and information Retrieval Systems for Zonal Information Liaison Officer |
| 2013 | Cairo – Egypt                                     | Certificate in Agricultural Communication  |
| 2013 | Beijing – China                                   | Certificate in Agricultural Technology Extension for African Countries.                        |
| 2017 | Dar-es-Salaam - Tanzania                          | Leadership Program for Agricultural Research and Development                                   |
| 2017 | ARI-Selian, Arusha - Tanzania                     | Training on Geospatial Statistics with R Studio  |
| 2020 | Jesca Hall, Dodoma - Tanzania                     | Leadership and Management Skills   |

## JOB EXPERIENCE

**1991 – 2005** Ministry of Agriculture and Food Security – Temeke Municipality, Dar es Salaama  
Agricultural Field Officer assigned to carry field work in advising and solving farmer's problems at the Ward level.

### Duties:

- To conduct meeting and field visiting to the farmer's/livestock keepers.
- To provide technical solutions to the farmer's/livestock keepers related problems.
- To organize meeting and short training to the farmers and Livestock keepers.
- Acting as a bridge between farmers and research centers by bringing farmers problems to the researchers and vice visa.

### Achievements:

Managed to coordinate agricultural activities within and beyond the Ward level

**2005 – 2007** Health geographer, GIS Coordinator at the Urban Malaria Control Programme (UMCP), City Council Dar es Salaam in collaboration with Ifakara Health Institute (IHI) in Tanzania.

**Duties:** Assisting in the coordination of mapping mosquito breeding sites found within the project area (DSM wards) in Dar es salaam City before intervention with Larvicide's.

### Achievements:

- Design and accepted the procedure used to conduct mapping the Mosquito breeding site in Dar es Salaam, Tanzania
- I attended and presented the procedure of mapping the Mosquito breeding sites in the International Congress of Parasitologist meeting (ICOPA) held at Glasgow - UK
- Participated in monitoring of intervention and non-intervention area within the Project area.

- Helping the Project to discover the area which is not included during surveying (un-surveyed area) within the targeted wards.
- Preparation of different maps to be used by the project.
- Maintaining spatial databases for different uses by the project staff members.

**2007 – 2018:** Tanzania Agricultural Research Institute (TARI).

**Tattle:** Agricultural Research Officer (ARO). Work as head of Knowledge Management and Communication.

**Duties:**

- To advice Director of Technology Transfer and Partnership on issues related to Knowledge Management and Communication;
- Manage the implementation of a coherent social media strategy to match target audiences and TARI needs;
- To document and disseminate agricultural research technologies to users;
- To re-package and upscale technologies for wide application;
- To establish and maintain database on the generated scientific knowledge and adopted technologies;
- To develop and execute communication strategies to the general public including print, audio, visual, press conference and other electronic media;
- Develop project/event-specific communications plans;
- Conducting training related to database management for the benefit of agricultural research system in Tanzania.
- In collaboration with Ministry of Agriculture ICT Unit, ensuring management and effective use of ICT facilities in the TARI's Reading Room in support of researchers and other users.
- Technical Team Member for preparation of e-Atlas in Tanzania-African Regional Strategic Analysis and Knowledge Support System (ReSAKSS) <http://eatlas.resakss.org/>

**Achievements:**

- Participate in the preparation of TARI's Strategic Plan; Staff and Financial Regulation; Staff Level; and Scheme of Service.
- Participated in the preparation of the Farming System Zonation
- Participating in the preparation of land suitability map by District
- Participation in the preparation of soil map in related to Farming System
- Conducted training on the uses of ICT TOOLS to the staff working in the project of EAAPP.
- Participating in the preparation of database of different projects with the department i.e. EAAPP project.
- Participating in spatial data analysis using different GIS software such as R. Studio, GeoSurvey and Grass GIS

**2019 to Date:** National Food Reserve Agency (NFRA)

**Tattle:** Acting Operation Manager.

**Department:** Directorate of Food and Reserve

**Duties:**

- Work closely with Director of Food Reserve and management team to set and/or implement policies, procedures and systems and to follow through with implementation.

- Researching new technologies and alternative methods of efficiency
- Establish and maintain database of the agency for improving NFRA's operations
- Make important policy, planning and strategic decisions
- Develop, implement and review operational policies and procedures that suit improving food stocks and services marketing and revenues.
- Identify and address problems and opportunities related to food reserve and security of the agency
- Support worker communication with the management team.
- To oversee procurement of food stock, replenishment or physical purchases;
- To facilitate release of stock based on agreed schedule and quantities;
- To oversee implementation of food stock relocation plan and budget;
- Monitor and produce daily stock positions;
- Monitor and coordinate availability of food stocks procurement and working tools; and
- To perform any other related duties as may be assigned to by the Director of Food Reserve.

#### **PERSONAL ABILITIES:**

- a. To work under minimum supervision.
- b. To work in multicultural environment.
- c. Ability to learn and educate others.
- d. Capable of assuming diverse roles and working in tight schedules.
- e. Flexible, willingness to learn and work in a team.
- f. Ability to lead and supervise others.

#### **INTERNATIONAL MEETING AND PUBLICATIONS**

##### **INTERNATIONAL MEETING**

Attending and Presenting Paper at the meeting of International Congress of Parasitological held at Glasgow – Scotland in August 2006.

##### **PUBLICATIONS AND OTHER SCIENTIFIC DOCUMENTS**

i) International Journal of Health Geographic Article 2007, 6:37 (04 sept.2007)

The Biomed Central Editorial Production

Participatory mapping of target areas to enable operational larval source management to suppress malaria vector mosquitoes in Dar es Salaam, Tanzania.

<http://www.ij-healthgeographics.com/content/6/1/37>

**ii) Malaria Journal 2008, 7:20**

A tool box for operational mosquito larval control: Preliminary results and early lessons from the Urban Malaria Control Program in Dar es Salaam, Tanzania.

<http://www.malariajournal.com/content/7/1/20>

**iii) Geospatial Health 2009, 3(2), p. 189-210**

Urban agriculture and Anopheles habitats in Dar es Salaam, Tanzania.

**iv) International Journal of Health Geographic Article 2007, 6(1):37.**

v) Participatory mapping of target areas to enable operational larval source management to suppress malaria vector mosquitoes in Dar es Salaam, Tanzania.

**vi) Participate in the developed of Success Story on:** Adopting Improved Rice Production practiced by EAAPP Changes Farmers' Live: The Case of Nyatwali Rice Irrigation Scheme, Bunda District, Mara Region. **Funded by:** *Eastern Africa Agricultural productivity program (EAAPP).*

**vii) Participate in the Developed of Success Story on:** Distribution of Improved and clean cassava Cuttings brings about a Big Changes in People's Livelihoods and Income: The Case of Two Villages in Muleba and Missenyi Districts, Kagera Region, Tanzania. **Funded by:** *Eastern Africa Agricultural productivity program (EAAPP).*

**viii) Participate in the Development and Production of ABSTRACTS Book for: Regional Rice Conference. Funded by:** *Eastern Africa Agricultural productivity program (EAAPP).*

## MEMBERSHIP AND NETWORKS

- Chairman of Tanzania Union of government and Health Employees (TUGHE) – Ministry of Agriculture
- Regional Coordinator of Tanzania Union of government and Health Employees (TUGHE) – Temeke, Dar es Salaam
- Member of the Community Alumni Group – Farm Data Management
- Member of the Community Platform for Africa – European Partnership in Agricultural Research for Development Phase II (PAEPARD II)
- Member of the Community GODAN Capacity Development Working Group
- Member of the Community CCARDESA-The Centre for Coordination of Agricultural Research and development for Southern Africa

## PERSONAL INTERESTS

**Areas of interest:** Farming System, Agricultural Information and Communication, Dissemination of Agricultural Technologies, Malaria control and surveillance, Urban Agricultural Land Use, Environmental Health, Developing simple GIS and mapping tools for operational use in disease control programmes.

**Main interest:** is the participatory use of geographical tools such as basic geographical information system (GIS) platforms for Agricultural Research Development and Disease Control Interventions. Current research activities comprise Urban Horticulture Production on Open Spaces in Dar es Salaam –Tanzania: Spatial Changes from 1999 – 2013.

Also I like to share ideas with different people and be familiar with current issues through reading news from different media sources e.g. magazines, internet news and socialization.

## CAREER OBJECTIVES

To work and learn in the environments that will enable me to acquire experience and enrich my career with outstanding skills and full utilization of the knowledge I acquired for the betterment of my career and community.

## REFERENCES

**1. Dr. Rochelle Sassman**

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## DECLARATION

I, **NYIKA DICKSON RAPHAEL** certify to the best of my knowledge that the above information given correctly describe my qualifications and experience.

