

Purpose	Inclusion on the CCARDESA data base as an Agriculture Expert and Consultant
Name:	SUMANI Alfred J.
Date of Birth:	22/02/1958
Country of Citizenship/Residence	Zambia/Zambia

1. PERSONAL CONTACT:

Dr. Alfred J. Sumani
National Science and Technology Council
Curriculum Development Centre Building
Haile Selassie Road
Longacres
P.O. Box 51309
LUSAKA, Zambia
Cell: +260 966 758871/977 431517
E-mail: chikumbi33@yahoo.com

2. EDUCATION:

<i>Institution</i>	<i>Date</i>	<i>Degree(s), Diploma(s) or Certificate(s) obtained</i>
University of Zambia, Lusaka.	1998	Ph. D (Biology, Entomology)
University of Wales, College Cardiff, Cardiff, UK	1990	M. Phil (Entomology)
University College, Cardiff, UK	1988	Higher Diploma (Applied Insect Taxonomy)
Natural Resources Development College, Lusaka.	1980	Diploma (Agriculture)
Kalonga Secondary School, Kabwe.	1976	Cambridge School Certificate
David Ramushi/Jasmine Primary School, Kabwe.	1971	Primary Certificate

3. LANGUAGE SKILLS: (competence on a scale of 1 to 5 (1 – Excellent; 5 – basic))

<i>Language</i>	<i>Reading</i>	<i>Speaking</i>	<i>Writing</i>
Nsenga	Mother tongue		
Bemba	3	1	2
English	1	1	1

4. **PRESENT POSITION:** Executive Secretary and Chief Executive Officer, National Science and Technology Council of Zambia

5. **YEARS IN PRESENT POSITION:** From February 2014 to June 2020

6. **EMPLOYMENT RECORD:**

<i>Period</i>	<i>Location</i>	<i>Company/ Institution/ Reference</i>	<i>Position</i>	<i>Summary of activities performed relevant to the Assignment</i>
12 th February 2014 to 13 th June 2020	Lusaka, Zambia	National Science and Technology Council (NSTC) The Chairperson, NSTC, nsct@nsct.org .zm	Executive Secretary and Chief Executive Officer	As Chief Executive Officer of the National Science and Technology Council, my responsibilities include: (a) Responsible for daily management and administration of the affairs of the National Science and Technology Council. (b) Plan for the development and facilitation of the advancement of science, technology and innovation. (c) Ensure the effective enforcement of science and technology Regulations in order to enhance compliance by the research and development institutions. (d) Regularly monitor, review and assess the impact of science and technology to ensure relevance of research and development to the national development strategy. (e) Direct the promotion of science and technology in order to enhance its development and application. (f) Mobilize resources in order to attain the objective of the National Science and Technology Council. (g) Establish and maintain relationships with Corresponding scientific organizations in other countries.

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				(h) Co-ordinate the monitoring and review of the science and technology policies to facilitate timely and appropriate advice and decision-making by the Government.
July 2012 to 11 th February 2014	Lusaka	National Science and Technology Council	Acting Executive Secretary and Chief Executive Officer	As above.
Nov 2008 to 2015	Lusaka, Zambia	National Biosafety Authority (NBA) The Chairperson, NBA	Registrar and Chief Executive Officer	<p>As the first Chief Executive Officer for the National Biosafety Authority, my responsibilities included:</p> <p>(a) Put in place instruments to operationalize the National Biosafety Authority.</p> <p>(b) Prepare short-term budget for the launch of the NBA.</p> <p>(c) Responsible for the daily management and administration of affairs of the NBA in order to attain its objectives.</p> <p>(d) Identify individuals from institutions as set out in the Biosafety Act for recommendation to the Minister responsible for science to appoint them as members of the National Biosafety Authority.</p> <p>(e) Identify experts, (one in Biotechnology, one in phytosanitary inspectorate and one legal), for recommendation for secondment to the NBA Secretariat.</p> <p>(f) Set and implement standards for assessment, evaluation and management of any potential risk involving the use of any genetically modified organism or products of</p>

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				<p>GMO in order to implement provision of the Act.</p> <p>(g) Develop and implement mechanisms for public participation, awareness and consultation in the field of Biosafety in order to ensure public involvement in decision making.</p> <p>(h) Establish and maintain relationships with national, regional and international organizations involved in Biotechnology and Biosafety in order to enhance information exchange and sharing.</p> <p>(i) Provide advice to Government on Biotechnology and Biosafety Policies and Act for decision making.</p>
Feb 2008 to Feb 2013	Lusaka, Zambia	<p>National Science and Technology Council (NSTC)</p> <p>The Executive Secretary, NSTC</p> <p>nstc@nstc.org.zm</p>	<p>Manager – Programme Development and Implementation (Technical Department of the NSTC)</p>	<p>As Manager responsible for the Technical Department of the National Science and Technology Council, my responsibilities included:</p> <p>(a) Promote effectively Gender equity in science and technology (S&T) development in order to create broader S & T awareness and utilisation in Zambia.</p> <p>(b) Collect and disseminate effectively S & T information to facilitate policy development.</p> <p>(c) Review policies related to the development and promotion of Science and Technology.</p> <p>(d) Co-ordinate effectively R & D to ensure efficient use of resources.</p> <p>(e) Facilitate resource mobilization for</p>

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				<p>research and development in the country.</p> <p>(f) Establish networks of National Science & Technology consultative fora.</p>
1997 – Feb 2008	Mt. Makulu Research Station, Chilanga. Zambia	Ministry of Agriculture and Cooperatives (Zambia Agriculture Research Institute – ZARI)	Principal Agricultural Research Officer – Entomology	<p>Responsible for all entomological activities (Management and technical) under the Plant Protection and Quarantine Division of the Zambia Agriculture Research Institute (ZARI), responsibilities include:</p> <p>(a) Conducting relevant research in insect pests in order to generate appropriate and cost effective pest control strategies;</p> <p>(b) Provide appropriate technical advice and guidance to researchers in order to ensure quality and appropriate research in pest control;</p> <p>(c) Co-ordinate timely provision of quality plant entomology and quarantine services in order to facilitate substantial reduction of crop losses.</p> <p>(d) Supervise and monitor the use of human, financial and material resources in order to ensure effective and efficient implementation of entomological research activities.</p>
2002 - 2006	Mt. Makulu Research Station, Chilanga. Zambia	International Centre for Insect Physiology and Ecology (ICIPE)	Cereal Stem Borer National Project Coordinator	<p>As National Coordinator of the Regional project, “Biological Control of Cereal Stem borers”, I undertook the following:</p> <p>(a) Conducted field testing of biocontrol natural enemies for cereal stem borers.</p>

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				<p>(b) Prepared quarterly and annual work plans and Budgets.</p> <p>(c) Established links with NGO to field test new technology “push and pull” in the control of cereal stem borers.</p> <p>(d) Supervised postgraduate students attached to the project.</p>
2001 – Feb 2008	Mt. Makulu Research Station, Chilanga. Zambia	Ministry of Agriculture and Cooperatives (Zambia Agriculture Research Institute – ZARI)	Programmes Officer	<p>AS the Programmes Officer (Administrative Head) of Mt. Makulu Central Research Station, my functions include:</p> <p>(a) General research station administration;</p> <p>(b) Allocating of financial as well as human resource(s) to the various Programmes running at the station;</p> <p>(c) Compiling of station quarterly and annual reports as well as proceedings of all meetings, and;</p> <p>(d) Preparation and conducting of field days, agricultural shows, station visits by stakeholders.</p>
1995 – 2002	Mt. Makulu Research station	FAO; (GCP/ZAM/05 4/AUL)	National Project Coordinator; National LGB Containment and Control Programme (NLCCP)	<p>Coordinated the containment and control of the larger grain borer (LGB) an exotic pest of stored maize grain. My responsibilities included:</p> <p>(a) Formulation and enforcement of regulatory measures for the control and containment of LGB.</p> <p>(b) Liaising with the Plant Quarantine and Phytosanitary Services (PQPS) in the institution of quarantine measures in order to avoid the spread of LGB to infested areas of</p>

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				<p>the country and to prevent further entry of LGB in to the country.</p> <p>(c) Coordinating and conducting LGB monitoring surveys in outbreak areas and areas at risk in order to ascertain the boundaries of the infested areas and to follow the spread of LGB.</p> <p>(d) Ensuring, in conjunction with Food Conservation and Storage Unit (FCSU), the implementation of post-harvest techniques in LGB outbreak areas and the assessment of insecticides effective against LGB and other storage pests.</p> <p>(e) Directing and monitoring of fumigation and /or the residual insecticidal sprays of maize stocks and other stored commodities and ensuring that designated fumigation centres were set up.</p> <p>(f) Developing and employing appropriate biological control techniques in conjunction with the National Biological Control Programme (NBCP) in order to have a sustainable and affordable control against LGB.</p> <p>(g) Conducting LGB awareness campaigns in Order to educate stake- holders on the dangers of LGB and how it can be managed.</p> <p>(h) Liaising and collaborating with appropriate institutions both within and outside the country on LGB control and containment issues in order to keep abreast with current developments on the control and containment of LGB.</p> <p>(i) Preparation of quarterly and annual work plans as well as reports</p>

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				covering the same periods, this included budgeting and financial returns for the <i>said periods</i> .
1992-1995	Nairobi, Kenya	International Centre for Insect Physiology and Ecology (ICIPE)	PhD Research Scholar, registered with the University of Zambia Department of Biological Sciences	Conducted research on the relationship between banana and the banana weevil (<i>Cosmopolites sordidus</i>) (Germar) (Coleoptera: Curculionidae)), laying emphasis on elucidating factors that render some cultivars resistant/tolerant while others not; this included looking at both primary and secondary plant metabolites, mechanisms of resistant, rearing weevils for various experiments, and general banana husbandry, among others.
1990 - 1992	Luapula Regional Research Station, Mansa. Zambia	Ministry of Agriculture and Cooperatives	Officer-in-Charger, Luapula Regional Research Station	Research Station administration: <ul style="list-style-type: none"> - Financial budgeting and control - Human resource management - Technical backstopping of experiments - Preparation of monthly, quarterly and annual reports
1990 - 1992	Luapula Regional Research Station, Mansa. Zambia	Ministry of Agriculture and Cooperatives	Entomologist	As an Entomologist attached to the Roots and Tubers Research Team, I undertook: <ul style="list-style-type: none"> (a) Biological control of cassava pests (Cassava mealybug and cassava green spider mite). (b) Conducted the 1st phase of COSCA survey in Luapula, Central, Copper belt and Northern Western Provinces. (c) Conducted experiments on pests of root and tuber crops
1980 - 1987	Luapula Regional Research Station,	Ministry of Agriculture and Cooperatives	Agriculture Supervisor	Joined Ministry of Agriculture, Research Branch. Posted to Luapula Regional Research Station

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	Mansa			<p>(LRRS), Mansa and attached to the Root and Tuber Research Team, duties include:</p> <p>(a) Planning, designing, laying-out, data collection and analysis of agronomic trials on cassava and sweet potato.</p> <p>(b) Biological control of cassava mealybug and green spider mite laying emphasis on identification, monitoring, impact assessment, rearing and preservation of both the pests and their natural control agents.</p> <p>(c) Supervision of general workers attached to the Roots and Tubers Research Team</p>

7. PROJECTS MANAGED

<i>YEAR</i>	<i>TITLE</i>	<i>BUDGET</i>
2002 – 2006	Biological Management of Cereal Stem Borers in East and Southern Africa. Being conducted in collaboration with ICIPE, Kenya.	US\$144,539.00
1997 – 2002	Containment and Control of the Larger Grain Borer, funded by AusAID through FAO.	US\$755,568.00
1997	Awareness and LGB control Campaign for small-scale farmers, funded by the Fertilizer Development Fund.	ZK179,000,000.00
1996	Mission on LGB Monitoring and Programme Coordination, funded by the EU through the Kabwe Smallholder Development Project.	ZK25,450,000.00

8. REFEREES:

- Mr. John L. Chongo**
 Assistant Director
 Department of Science and Technology
 Ministry of Higher Education
 Maxwell House
 P.O. Box 50464
 LUSAKA, Zambia

Tel.: +260-977884705
Email: John.Chongo@MOEH.GOV.ZM

- 2. Mr. Godfrey P. Mwila**
C/o Mount Makulu Research Station
Zambia Agriculture Research Institute
Private Bag 7
CHILANGA, Zambia
Tel: +260-966745604
E-mail: godfrey.mwila@gmail.com

- 3. Mr. Guest Mugala**
Manager, Administration and Finance
National Science and Technology Council
Curriculum Development Centre Building
Haile Selassie road
Longacres
P.O. Box 51309
LUSAKA
Tel.: +260-963759809
Email: mugalaguest@yahoo.com

Dr. Alfred J. Sumani



27th April 2020

Name of Expert

Signature

Date