

**Tropical Roots and Tuber Crops and the Challenges
of Globalization and Climate Changes**

**Plantes à Racines et Tubercules Tropicales et les Défis
de la Mondialisation et du Changement Climatique**

Proceedings of the 11th triennial Symposium of the ISTRC-AB
held at Memling Hotel, Kinshasa, Democratic Republic of
Congo from 4 to 8 October 2010

Edited by R.U. Okechukwu and P. Ntawuruhunga

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ISTRC-AB

The International Society for Tropical Root Crops Africa Branch (ISTRC-AB) was created in 1978 to stimulate research, production and utilisation of root and tuber crops in Africa and the adjacent islands. The activities include encouragement of training and extension, organization of workshops and symposia, exchange of genetic materials, and facilitation of contacts between personnel working with root and tuber crops. The Society's headquarters are at the International Institute of Tropical Agriculture (IITA) in Ibadan, Nigeria, but its Executive Council comprises eminent root and tuber researchers from national programs across Africa.

PREFACE

This book of proceedings of the 11th triennial Symposium of the ISTRC-AB held at Memling Hotel Kinshasa, Democratic Republic of Congo from 4 to 8 October 2010 reports the meeting of root crop scientists, and development workers from 21 countries. This worldwide event was attended by 156 participants among whom 127 were males and 29 females. Among the stakeholders who attended the meeting are root and tuber crop scientists, university professors and students, as well as the private sector actors and policy makers.

The theme of the symposium was “Tropical Roots and Tuber Crops and the Challenges of Globalization and Climate Changes”.

The opening remarks were done by 5 key persons comprising the Food and Agricultural Organization (FAO) of the United Nations and the United States Agency for International Development (USAID), the International Institute of Tropical Agriculture (IITA), the ISTRC-AB president and INERA. The opening speech was given by the Minister of Culture and Arts, on behalf of the Minister of Scientific Research. Presentations at symposium include 77 oral and 51 poster presentations in different fields of research such as socio-economics, breeding, agronomy and physiology, integrated pest management and postharvest. Special sessions were allocated to UPoCA and Harvest Plus while a daily one hour special session was allocated to the European Union (EU/ACP).

A field visit was organized to Matchem Enterprises in Kingabwa, where participants visited an exposition of locally made cassava processing machines and cassava products manufactured by the private sector. This was also an opportunity for Matchem to present to participants her brandy new cassava drier imported from Brazil.

We once again wish to thank the management of IITA for continuing to house the HQ of the society. We also thank FAO for funding the production of this book. Following the symposium, the ISTRC-AB Executive Council was renewed and the following persons were voted in office for 2010-2013 period.

President:	Dr. Nzola M. Mahungu
1st Vice-President:	Prof. Albert Lema
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The views expressed are not necessarily those of ISTRC-AB. The punctuations and word order style of countries differ and these have been retained for relevance to be preserved in the author's own country. The temptation to adopt stricter journal style and uniformity was avoided. The symposium was funded by different organizations and institutes for which the local organizing committee and ISTRC-AB are very grateful. We especially thank the following:

1. The Government of Democratic Republic of Congo
2. Food and Agriculture Organization (FAO)

3. International Institute of Tropical Agriculture (IITA)
4. United States Agency for International Development (USAID)
5. CRS/ Great Lakes Cassava Initiative (GLCI)
6. European Union Africa Caribbean and the Pacific (EU-ACP)
7. National Research Institute (NRI)
8. Fonds d Promotion de l'Industrie, (FPI), D.R. Congo
9. International Fund for Agricultural Development (IFAD)
10. IITA/USAID Southern Africa Root Crops Research Network (SARRNET)
11. IITA/USAID Unleashing the Power of Cassava in Africa (UPoCA)
12. Institut National pour l'Etude et la Recherche Agronomique (INERA), D.R. Congo

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CONTENTS

ISTRC-AB.....	iii	Increasing cassava productivity in Nigeria: The commodity value chain development approach - G. Tarawali, C. Iyangbe, P. Ilona, U. Udensi, G. Asumugha.....	78
Preface	iv	Ex-ante economic impact of the biotechnological research on cassava brown streak disease in Eastern and Southern Africa - Manyong, V.M., K. Vercauteren ² , and E.F. Tollens.....	83
Discours Monsieur le Ministre de la Recherche Scientifique lors de l'ouverture du 11 ^{ème} symposium de la Société Internationale des Plantes à Racines et Tubercules Branche Africaines (ISTRC-AB) Kinshasa, 4 8 Octobre 2010.....	1	Improving urban markets supply with Kponan yam for poverty alleviation: Case analysis in Abidjan, Côte d'Ivoire - Mahyao A.....	89
IITA remarks at Opening Ceremony <i>Dr. Robert Asiedu, Director, Research-for-Development (West Africa)</i>	2		
SOCIO ECONOMICS PAPERS		BREEDING AND SELECTION PAPERS	
The impact of the emergency response to the outbreak of the cassava mosaic disease in the Democratic Republic of Congo - J. Rusike, N.M. Mahungu, S.S. Lukombo, T. Kendenga, S.M. Bidiaka, A. Alene, A. Lema, V.M. Manyong.....	3	Breeding orange-fleshed sweetpotato varieties for East Africa - Mwanga R.O.M, S. Tumwegamire, W. Grüneberg, S. Agili and G.N. Ssemakula.....	94
Cassava investment in Africa: taking inventory of initiatives in Africa in view of positioning cassava as a strategic commodity - A. Wambo, N.M. Mahungu, T. Kendenga and E. O'Brien.....	31	Development of mapping populations for genetic analysis in yams (<i>D. rotundata</i> and <i>D. alata</i>) - Aliou Sartie and Robert Asiedu.....	101
Adopted villages and outreach schools as vehicles for increased adoption of technologies, youth employment and rural empowerment in Nigeria - Asumugha, G., L. Eluagu, N. Ezebuio, L. Amamgbo, K.C. Ekwe, C. Onuoha, T. Ekedo, M. Okwusi and K. Nwosu.....	43	Morphological diversity and distribution of yam (<i>Dioscorea</i> spp.) cultivars in Kenya - Muthamia, Z.K., Ngae, G.I., Ateka, E., Njau, S., Nyende, A.B. and Mamati, E.G.....	111
Livelihood enhancement from cassava enterprise: building experience from Benin Republic - Onadipe O.O, Sanni, L.O., Alenkhe, E.B. and Ilona, P.....	48	Heritability of root peel thickness and its influence in extractable starch from cassava (<i>Manihot esculenta</i> Crantz) roots - Pérez, J.C., Lenis, J.I., Calle, F., Morante, N., Sánchez, T., Debouck D. and Ceballos, H.....	119
Policy options for promoting off-farm market participation mitigated by transaction costs among smallholder cassava producers in South Eastern, Nigeria - Okoye, B.C., Onyenweaku, C.E., Ukoha, O.O Asumugha, G.N and Nwosu, K.I.....	54	Progress in screening cassava genotypes for resistance to cassava brown streak Uganda virus - Kanju, E., Ntawuruhunga, P. and Otim-Okello, F.	125
Economic damages of cassava brown streak disease in sub-Saharan Africa: a framework - Manyong V.M., C. Maeda, E. Kanju, and J. Legg	61	Current status of Irish Potato (<i>Solanum tuberosum</i> L.) production and constraint in Sierra Leone - A.E. Samura, F.B. Massaquoi, D. Quee., L. C. Marrah, G. Samba, S.N. Fomba and A.G.O. Dixon.....	129
Economic impacts of cassava improvement in Malawi and Zambia - A.D. Alene, R. Khataza, P. Ntawuruhunga, N.M. Mahungu, S. Jumbo.....	68	Current status of root and tuber crops improvement, production and utilization in Sierra Leone - S. N. Fomba, F. B. Massaquoi, P. E. Norman, A. E. Samura, A. Mansaray, A. Jalloh, A. G. O. Dixon, N. A. Anthony, M. T. Benya, D. S. Fornah, M. K. Sawi, A. Sartie, O. Onadipe, and L. O. Sanni.....	134

Advances in seed yam propagation methods in Nigeria - <i>John G. Ikeorgu, Mary-Ann Mazza, Chris Okonkwo and Hidehiko Kikuno</i>	151	Development of molecular marker for pro-vitamin A carotenoids in cassava - <i>Melaku Gedil and Lovina Enok</i>	224
Performance of selected cassava improved genotypes at different harvest periods and environments in Guinea - <i>E.S. Bah, A.G.O. Dixon, A. Jalloh and M.T. Lahai</i>	155	Variation in micronutrient content of orange-fleshed sweetpotato (<i>Ipomoea batatas</i> (L.) Lam.) varieties grown in different environments of Region III of Zambia - <i>Serenje G.I and Mwala S.M</i>	233
Bioinformatics resources for application of molecular breeding in orphan root crops - <i>Melaku Gedil</i>	167	Participatory breeding for-vitamin A enriched cassava in Nigeria - <i>C.N. Egesi, B. Olasanmi, K.C. Ekwe, I. Ndukwe, P. Ilona, E. Okogbenin, S. Onwuka and F. Ewa</i>	236
Caractérisation agronomique des ressources génétiques du manioc (<i>Manihot esculenta</i> Crantz) conservées dans la collection vivante de la Côte d'Ivoire - <i>N'Zué B., Djédji C., Zohouri G.P., Niamké S., Ndjatchi A., Dibi K.E. et Ochou O.G.</i>	173	Evaluation of G x E interaction of sweetpotato for beta-carotene content, root dry mass, harvest index, vine fresh yield, and root fresh yield - <i>Martin Chiona</i>	240
Development and validation of genomic tools for marker-assisted breeding of cassava mosaic disease resistance in cassava (<i>Manihot esculenta</i>) - <i>Melaku Gedil, Gerald Otti, Lovina Enok, P. Lava Kumar</i>	179	AGRONOMY AND PHYSIOLOGY	
On farm participative of improved varieties of cassava (<i>Manihot esculenta</i> Crantz) in the Center of Côte d'Ivoire - <i>N'zue Boni, Zohouri Goli Pierre, Sangare Abdourahamane, Gnaore-Yapi Valentine and Kouadio Kraha</i>	186	Improving the productivity of cassava-based systems by increasing the number of cuttings per stand to enhance farmers adoption - <i>Eke-Okoro, O.N. Udealor, A., Ezulike T.O. and Njoku, K.A.</i>	253
Sweet potato for adapting to climate change in the mixed crop-livestock systems of East Africa - <i>L. Claessens, J.J. Stoorvogel, J.M. Antle, P.K. Thornton, M. Herrero</i>	192	Cassava (<i>Manihot esculenta</i> Crantz) stems quality for root production effectiveness - <i>M.O. Yomeni, M.O. Akoroda and A. G. O. Dixon</i>	261
Discovery of Single Nucleotide Polymorphisms (SNPs) as a tool for marker- assisted breeding of cassava, <i>Manihot esculenta</i> - <i>Melaku Gedil and Igwe David</i>	198	Evaluation of commercially available herbicides for weed control in cassava - <i>C.C. Moyo, S. Jumbo, N.M. Mahungu, I.R.M. Benesi, P. Ntawuruhunga and V.S. Sandifolo</i>	269
Isolation and characterization of resistant gene analogs in cassava, wild <i>Manihot</i> species, and Castor Bean (<i>Ricinus communis</i>)- <i>Melaku Gedil, Manjula Kumar and David Igwe</i>	203	Growth, yield and tuber quality of sweet potato (<i>Ipomea batatas</i> L.) in response to organic and mineral fertilizer - <i>Adekoya, I.M., Aiyelaagbe, I.O.O., Bodunde, J.G., Lawal, O.I. and Sanni, L.O.</i>	275
HARVEST PLUS PAPERS		Improvement of traits associated with high and early root productivity in cassava (<i>Manihot esculenta</i> Crantz) - <i>Olasanmi B., M.O. Akoroda, E. Okogbenin, C. Egesi and M. Fregene</i>	281
Genotype by environment interaction effect on beta-carotene of yellow root cassava (<i>Manihot esculenta</i> Crantz) genotypes in Ghana - <i>Norbert G. Maroya, Isaac K. Asante and Alfred Dixon</i>	212	Response of sweetpotato genotypes to aluminum toxicity, phosphorus and lime application in acid soils of Zambia - <i>Chalwe A, R. Kabiti, R.K. Salati, B. Machwani and S. Mutuna</i>	285
		Improving food security and income and enhancing farmers' livelihoods in Cameroon	

through the introduction and promotion of improved cassava germplasm - <i>Emmanuel. Njukwe, A. Nguenkam, A. Mbairanodji, T. Ngué-Bissa and R. Hanna</i>	289	Development des moyens de lutte contre le « Shimbu », cas de la culture du manioc au kasai oriental/RDC: Revue et contribution sur les moyens de lutte contre le complexe parasitaire shimbu - <i>N. Mahungu, A. Frangoie, D. Mukendi, A. Ndonda, T. Kayumba, K. Kasongo</i>	367
Root and Tuber Crops Food Surveillance for Food Security in Nigeria - <i>M. O. Akoroda</i>	293	Molecular epidemiology of cassava mosaic begomoviruses in Yangambi, Northeastern Democratic Republic of Congo - <i>Monde, G., Walangululu, J., Winter, S. and Bragard, C.</i> !	375
UPoCA PAPERS			
Unleashing the power of cassava in Africa...are we there yet? - <i>B. D. James, P. Bramel, E. Witte, R. Asiedu, D. Watson, and R. Okechukwu</i>	300	Les facteurs déterminant l'abondance du vecteur mouche blanche (<i>Bemisia tabaci</i> , Homoptera : Aleyrodidae) et les types des virus distribués sur le manioc en R.D. Congo - <i>Z. Bakelana, J.P. Legg, K.M. Lema, S. Hauser and N.M. Mahungu</i>	386
Evaluating the effects of UPoCA prior to implementation: taking stock of where we were. - <i>J. Rusike, S.S. Lukombo, J.Msemo, A. Osei-sarfoh, S. Fannah, R. Okechukwu, S. Jumbo and A.M. Chibeba</i>	312	Preliminary results of screening IITA improved germplasm for resistance to Cassava Brown Streak Disease (CBSD) in Uganda - <i>Ntawuruhunga P, Kiryowa M., Okechukwu R., Otim-Okello F., and Kanju E.</i>	398
Distribution and potential impact of cassava variety spread by UPoCA - <i>R.U. Okechukwu, B. James, P. Ntawuruhunga, N. Mahungu, S. Boahen, E. Kanju, A. Osei-sarfoh</i>	325	Thrips (Tripididae; Thysanoptera) infestation on cassava (<i>Manihot esculenta</i> Crantz) at Mvuazi INERA Research Station, Bas-Congo Province in the Democratic Republic of Congo - <i>Tata Hangy K. W., K. Mfuti, M. Tuwizana, N. Mahungu and K.M. Lema</i>	406
Using Steam to dry Food: Introducing the UPoCA Dryer. - <i>Samuel E. B. Nonie, Braima D. James, and Samuel J. Alpha</i>	332	Scale insects on yams in Benin: diversity, incidence and farmers' knowledge and perceptions - <i>Georg Goergen, Romuald Dossou, Robert Asiedu and Rachid Hanna</i>	411
Safeguarding good health of consumers: the opportunities and challenges of attaining quality compliance for processed cassava products in Africa - <i>AB Abass, M Missanga, C Moshia, I Mukuka, R Ranaivoson, AJ Bah, S Fannah, B James, NDziedzove, M Waithaka, N Cromme</i>	338	Management strategy for spiralling whitefly, <i>Aleurodicus dispersus</i> RUSELL (Hemiptera: Aleyrodidae) in Tanzania - <i>Beatrice Pallangyo, R. Hanna, E. Nsami, V. Mgoo, O.Mfugale, Bokonon Ganta A and O. Ajuonu</i>	413
Inter-project linkages to create cassava enterprises for expanded markets and utilization - <i>Ntawuruhunga P, James, B., Sanni, L., Sandifolo V., Tarawali, G., Okechukwu R. and Abass, A</i>	344	Towards the development of sustainable control options for the African root and tuber scale on cassava in Central Africa understanding the ecology of the associated ant <i>Anoplolepis tenella</i> - <i>Apollin Fotso Kuate, Rachid Hanna, Maurice Tindo and Peter Nage</i>	418
Seed System Innovations in the Great Lakes Cassava Initiative - <i>Stephen Walsh, Phemba Phezo, Bernard Onyango-Odero, and Elia Marandu</i>	354	POST HARVEST	
INTEGRATED PEST MANAGEMENT			
Biological control agents of aphids (Homoptera: Aphididae) on potatoes (<i>Solanum tuberosum</i> L) in Kenya - <i>Machangi J. M., Gitonga L.M., Nderitu J. H., Maniania N.K. and Kabira J. N.</i>	362	Assessment of quality characteristics of exotic sweet potato genotypes for suitable food traits and	

processing attributes in Nigeria - <i>Omodamiro, R. M, Ukpabi, U.J and Afuape, S.</i>	423	<i>Ezigbo V.U. and Ekeledo N.E.</i>	489
Synergistic action of α -Amylase and thermostable glucoamylase on cassava starch - <i>Kareem S.O., Akpan I., Popoola T.O.S., Sanni L.O. and Dixon A.</i>	428	New approaches for quantifying carotenoids content in cassava roots - <i>T. Sánchez, N. Morante, H. Ceballos, J. Franco, P. Kulakow, N. Maroya and T. Zum Felde</i>	493
Chemical composition, functional and pasting properties of high quality cassava flour in Nigerian markets - <i>Adebowale, A. A., Sanni, S. A. and Koleoso, Y. S.</i>	432	Optimizing brewer spent grain addition and extrusion variables of yam starch based extruded pasta using Box Benkhen design - <i>O.P. Sobukola, O. Ogunsade and L.O. Sanni</i>	500
Adding value to Africa's cassava in a global environment - <i>Adebayo K., Abayomi L., Alacho O.F., Dzedzoave N. T., Forsythe L., Graffham A. J., Ilona P., Kleih U. K. , Lamboll R. I., Mahende G., Martin A. M, Onumah G. E. , Posthumus H., Hillocks R. J., Sanni L. O., Sandifolo V., Sergeant A. and Westby A.</i>	439	Physicochemical properties of sweet potato flours as affected by processing methods in Sierra Leone - <i>S.Sowe, S. Fomba, A. Dixon, A. Mansaray, S.M.B Gevao, J.S. Kamara and L.O. Sanni</i>	506
Some Culinary and Sensory Characteristics of Hausa potato (<i>Solenostemon rotundifolius Poir</i>) and Livingstone potato (<i>Plectranthus esculentus N.E. Br.</i>) Tubers. - <i>Ukpabi Joseph Ukpabi, Emmanuel Oti and Nkeiru Joy Ogbogu</i>	445	Proximate composition and physical properties of steamed sour cassava starch bread - <i>Adegunwa, M.O, Edema, M.O, Sanni, L.O, and Maziya-Dixon B.</i>	514
Development and Dissemination of a Manual Cassava Chipper in Cameroon - <i>Emmanuel. Njukwe, J. Duindam, S. Hauser, B. Maziya-Dixon, D. Amadou Thierno, O. Onadipe, A. Mbairanodji, T. Ngue-Bissa, H. Kirscht and R. Hanna</i>	449	Solar drying technology: a pilot design in Benin Republic - <i>Alenkhe, E. B, Onadipe, O. O. and Sanni, L. O.</i>	519
Effect of extrusion variables on extrudates properties of water yam flours - a response surface analysis - <i>Oke, M.O., Awonorin, S.O., Sanni, L.O. Asiedu, R. and Aiyedun, P.O.</i>	453	Chemical, pasting, functional and sensory properties of sweet and Irish potato chips - <i>EkeEjiofor J. and Kiin-Kabari D.</i>	523
Functional and pasting characteristics of cassava sweet potato starch blends. - <i>Adebowale, A.A., Sanni, L.O. and Fadahunsi, E.L.</i>	471	Factors influencing cassava - pulp fermentation period for gari processing among cassava processors in Southeastern Nigeria - <i>Ekwe, K.C., Madu, T., Tokula M.H., Ironkwe, A.G and Okoro B.O.</i>	528
Effects of fermentation length and varieties on the pasting properties of sour cassava starch - <i>Adegunwa M. O., Sanni L. O. and Maziya-Dixon B.</i>	476	Utilization of different cultivars of cocoyam in preparation of value added products - <i>Chijioko, U., Etudayie, H. A, Oti, E., Omodamiro, R.M., Ezeocha, C., Ekeledo, N., and Nwosu, K.I.</i>	535
Effect of processing on the mineral composition and antinutritional factors of orange fleshed sweet potato (<i>Ipomoea batatas L. Lam</i>) flours - <i>Eluagu, Esther. N and Onimawo, Iginatus. A.</i>	485	Yam flour a suitable substitute in the production of noodle - <i>Abiona, O.O. and Sanni, L.O.</i>	539
Effect of storage condition and length of storage on the chemical composition of two varieties of orange-fleshed sweetpotato - <i>Ezeocha V.C., Oti E.,</i>		The untapped potential of cassava as a food security and industrial crop in eastern and southern Africa: a case study of Madagascar, Tanzania and Zambia - <i>Abass, A, Mbabaali, S, Cromm, N</i>	542
		Effects of selected process parameters in extrusion of cocoyam (<i>Xanthosoma sagittifolium</i>) flour on functional and physical properties of the extrudates - <i>Daramola, O.A, Idowu, M.A, Sanni,</i>	

<i>L.O and Bodunde, J.G.</i>	549	<i>Ajibosin I.O and Olatunji O.</i>	624
Adaptation of <i>gari</i> processing technology from Nigeria to improve traditional <i>rale</i> processing and marketing in Mozambique - <i>Adebayo Abass, Sousa Italia, Anabela Zacarias, Isabel Monjane, Alvaro Abdula, Sicco Kolijn, Lopes Araújo Bruno and Nicolaus Cromme</i>	556	Storage and nutritional evaluation studies of extruded white yam (<i>Dioscorea rotundata</i>) and Bambara groundnut (<i>Vigna Subterranean</i>) blends - <i>Oluwole O.B, Awomorin S.O., Henshaw F. and Oguntonna C.R.B, Elemo G.N. and Olatunji O.</i>	630
Cassava value chain development in West Africa: success stories. - <i>Sanni, L.O., Onadipe, O.O., Alenkhe, E.B., Ilona, P., Davis-Mussagy, M., and Dixon, A.G.O.</i>	568	Out scaling of improved cassava processing technology - Uganda lessons - <i>J. Okidi, P. Ntawuruhunga, E. Mukama, C. Mutyaba, A. Agona, F. Oliveira and K. Wanda</i>	638
Production et utilisation des farines de manioc dans la Boulangerie. - <i>Razafimahefa, Razanamparany J. L., Bokanga M., et Abass A.</i>	577	Qualité des produits dérivés du manioc prélevés au niveau des sites de fabrication et dans les marchés de Kinshasa, RD Congo - <i>Mukandila K.P., Hell, K., Hauser, S., Lamboni, L., Masimango, J.T.</i>	646
Acceptability and nutritional evaluation of soyyam flour/cowpea yam flour among elderly diabetes in Ibadan Nigeria - <i>Olayiwola I.O and Oladejo O.F.</i>	584	Screening of exotic sweetpotato genotypes for the production of pro-vitamin a rich chips in Nigeria. - <i>U.J. Ukpabi, E.N.Ekeledo and V.U. Ezigbo</i>	654
An evaluation of an extrusion cooking process of white yam (<i>Dioscorea rotundata</i>) and white bambara groundnut (<i>Vigna subterranean</i>) blends - <i>O.B. Oluwole, S.O. Awonorin, F.O. Henshaw, G.N. Elemo A.K Bankole and O. Olatunji</i>	587	Effect of processing on carotenoid losses in OFSP: from the field to the fork - <i>Bechhoff A., Tomlins K.I., Dhuique-Mayer C., Menya G. and Westby A.</i>	659
Babata doce de polpa alaranjada como fonte de rendimento para os agricultores mocambicanos - <i>Maria Isabel Andrade, Abdul Naico and Jan Low</i>	600	History and Traditions of the International Society for Tropical Root Crops Africa Branch (ISTRC-AB)- <i>Malachy O. Akoroda</i>	662
Innovative systems to improve small to medium scale cassava processing in Sierra Leone - <i>S. N. Fomba, F.B. Massaquoi, A. E. Samura, D. S. Fornah, M. T. Benya, A. G.O.</i>	603	Constitution of ISTRC-AB.....	664
High quality cassava flour, promising raw material for bread, biscuit and pastry industries: lessons from a pilot study in Madagascar - <i>Roger L. Ranaivoson, Abass Adebayo, Alfred Razafindrazaka, Roger Randrianarivelo, Voahangy Rakotomalala, Rivotiana Antasoa, Jean Rasoaharaona</i>	617	Détails participants au ISTRC-AB Symposium..	670
Development and production of fermented flour from sweet potato (<i>Ipomea batatas L</i>) as a potential food security product - <i>Oluwole O.B, Kosoko S.B, Owolabi S.O, Adeboyejo F.O, Salami M.J, Oke O.V, Joaquim A.A, Kayode F, Olatope S.O, Ozumba A.U, Bankole A.K. Elemo G.N.</i>			