Swahili Loanwords and their Semantic Nativisations into African Languages

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Abstract: Traditionally, contributions of loanwords to the morphology of most African languages are recognizable in terms of phoneme inventories, consonant clusters, and syllable structures. The present paper, however, articulates the semantic and pragmatic issues emanating from the Swahili loanwords into the morphology of most African languages in Tanzania. The focus is mainly on the influence of Swahili into the different semantic fields in ten Bantu languages in the country. Data of 500 lexical words is drawn from a sample of Bantu languages in the country. Formal interviews had also been conducted to decipher semantic and pragmatic inferences springing out of the usages of those loanwords in the respective speech communities. It is concluded that most semantic fields of loanwords include education, utensils and domestic tools, as well as health and medical care services. In addition, pragmatically, some loanwords divide communities according to their usages, e.g. in Ruhava and Runvambo, the entries for church include ekerezía [<ecclesia, ecclesiae Latin] which is dominantly used for Roman Catholic churches while ekanisa [<kanisa. Swahili] is used by Lutheran churches.

INTRODUCTION¹

A number of linguists have raised concerns on the different patterns in morphology of African languages which have been none existent in such languages before but have been accommodated in a course of time after lexical borrowing (see e.g. Scotton and Okeju, 1972 [Ateso, Nilo-Saharan]; Newman, 2000 [Hausa, Afro-Asiatic]; Swilla, 2000 [Chindali, Niger-Congo]; Batibo, 2002; Mwita, 2009; Shembuli, 2010 [Swahili, Niger-Congo]; among others). For instance, sequences not permitted in certain languages become nativized, e.g. Batibo (2002) mentions consonant cluster nativisation in Swahili. The present work studies loanwords listed in the lexicons and dictionaries for the Bantu languages which are published under *Languages of Tanzania (LOT) Project* of the University of Dar es Salaam. For comparative reasons, an extension of the findings on loanwords is provided based on data from dictionaries for Bantu languages which have been published elsewhere.

This contribution to this area would seem narrower and somehow less significant because numerous previous studies on borrowing in African languages focused on analyses of phonological and morphological changes that occur to those loanwords

¹ A portion of the materials presented in this article were read at the Language of Tanzania Project Workshop XIII. Thanks to participants for enlightening comments, especially Henry Muzale, Josephat Rugemalira and Adolf Kibigoya. I acknowledge encouragements received from Yared Kihore. The remaining shortcomings are my own problems.

that are being incorporated into the target language as a result of borrowing (see e.g. Hock and Joseph, 1996; Batibo and Rottland, 2001; Batibo, 2002; Mwita, 2009; Zivenge, 2009; Shembuli, 2010, among many others). To substantiate the significance of this work, it will be shown that the paper addresses issues which surround the schematized contributions offered in the various papers in the volume edited by Haspelmath and Tadmor (2009). In that volume, some semantic fields have been established and researchers have been fitting in the findings from different languages. More importantly, some contributions from African languages include: Schadeberg (2009) [Swahili], Mous and Qorro (2009) [Iraqw], and Awagana *et al.* (2009) [Hausa].

The true picture offered in that volume perhaps could be learnt from Iraqw language of Tanzania. It is learned that there are modern semantic fields associated with loanwords in this language. Some of the modern concepts offered as per donor languages are noted in what follows (only major donor languages are mentioned in order of the number of loanwords listed in Mous and Qorro (2009: 110): (i) modern agriculture [Swahili], modern food and utensils [Swahili], modern instruments [Swahili], reading, writing and schooling [Swahili], modern medicine [Swahili], modern government [Swahili], domestic animals [Datooga], and modern dress [Datooga]. Therefore, one would wonder whether such semantic features found in Iraqw do appear in the Swahili loanwords into Bantu languages of Tanzania as listed in the lexicons and dictionaries published under Language of (LOT) Tanzania Project. It should be noted right away that this is the main area that this study contributes to.

But before that, a number of previous studies pointed out that contact zones make the areas of lexical borrowings which in turn establish the semantic fields of the loanwords in question. For instance, in Swahili, Gower (1952) had longer observed that English is felt in western education and administration structures, e.g. *mesenja* 'messenger', western medical care and health facilities, e.g. *hospitali* 'hospital', infrastructure and transportation, e.g. *lori* 'lorry' etc. Another source, Modimakwane (2003), reports that in Setswana, English loanwords appear in semantic fields associated with social organisations and politics as the main area of contact and influence. The commonly used words include *phathi* 'party', *ofisi* 'office', *palamente* 'parliament' *khansele* 'council', *komiti* 'committee'. One question to be answered here is: Do data from LOT publications offer insights to support the former or the latter, or have distinct picture(s)?

METHODOLOGY FOR THE PRESENT WORK

In order to offer best results, this work has utilized a total of 500 lexical loanwords from Swahili into Bantu languages of Tanzania as its sample words. This main sample-words are drawn from a section of only ten (10) Bantu languages in the country. In the present paper, the following published lexicons and dictionaries are utilized as sources of lexical loanwords: Rugemalira (2002) [Runyambo JE21], Massamba (2005) [Ciruuri JE253], Muzale (2006) [Ruhaya JE22], Mdee (2008) [Kijita JE25], Mochiwa (2008) [Zigula G31]), and Rugemalira (2009) [Cigogo G11]). Other lexicons of Kikahe (Kahigi 2008), Kiikizo (Sewangi (2008), Chasu

G22 (Mreta 2008), and Luzinza JE23 (Rubanza 2008) are employed as sources of data.

Swahili (TUKI 2001)	Runyambo (Rugeemalira 2002)	Kikahe (Kahigi 2008)	Ciruuri (Massamba 2005)	Cigogo (Rugemalir a 2009)	English
askari	omwiserukári	mwanajeshi	omusikare	musilikale	soldier
bunduki	embûndu	kibolobolo	imbundijo	huti	gun
chai	ecáaye		ecai		tea
choo	ecihoróoni		ecorooni	colo	toilet
daktari	mufúmu omuganga		mufumu		doctor
gari, motokaa	emótoka		imbirigiti		car
kiatu	eciráatwa	kyadu	ecilaato	cilato	shoe
kanisa	ekerezía	kanyisa	likanisa		church
kijiko	ecijíiko	kiliko	ecijiko	cijiko	spoon
kikombe	ecikômbe	kikombee	ecikoombe		cup
kitabu	ecitabo		ecitabho	citabu	book
mafuta	amajúta	mafuda	mafuta		oil
meza	imééza	mesa	imeeja		table
mkasi	omukáasi	mkasi	imakasi	icetezo	scissors
mkate	omugaate	mkate	omukaate		bread
mwalimu	omwejesa			mwijiza	teacher
mwanafunzi	omwêji		omuigisi	mwijizwa	pupil
mzungu	omujûngu		omujungu		whiteman
ndege	endeje	luka	indege	ndeje	aeroplane
nesi			omurwaasya		nurse
pilipili	obusênda	kimwamwari	ipilipili		pepper
sabuni	esaabúuni	sabuni	isabhuni		soap
sahani	esaháani	kilambo	olutubha	ciya, ihani	plate
shati	esááti				shirt
serikali	kutwâra	sirikali	isirikaali	silikale	government
skuli, shule	isomero, isuule	shule	isuule		school
soko, gulio	omujájaro	sangada	lisoko	isoko	market
waya	orwôma	waya	orukata		wire
wembe	akásyo	wembe	orugeembe	ciwembe	razor

Table 1: Selected Loanwords in Sample Bantu Languages of Tanzania

Although scholars on research methodology (Cresswell, 2007; Leedy and Ormrod, 2010) insist that a sample should be representative of the whole population, it should be noted that my language representation is highly skewed because from language of Tanzania project, I am working with only a sample of ten Bantu languages; whose classifications appear in Bantu zones G and JE only (Maho 2009). Geographically, the languages in these two zones are spoken mainly around Lake Victoria and Mount Kilimanjaro areas. Nonetheless, I am convinced that the findings from these languages could well be translated into the situated attested in other Bantu languages of Tanzania.

As a way of supplementing qualitative data used in this research (Cresswell, 2007; Leedy and Ormrod, 2010), a number of informal interviews² had also been

² I am grateful to Ruhaya and Runyambo speakers for discussing some issues presented in this work. Thanks are also due to many of my Nyakyusa discussants whom I contacted during my fields trips in

conducted to decipher semantic and pragmatic inferences springing out of the usages of those loanwords in the respective speech communities. The informal interviews were conducted with the native speakers of only a fraction of the sampled languages, namely Ruhaya, Runyambo and Kijita in Tanzania.

FINDINGS IN SAMPLED BANTU LANGUAGES

A section of the main data to be utilized in this article is captured in Table 1. Although only thirty (30) entries from four Bantu languages are presented herein this table, the sample languages reveal the presence of lexical loanwords in their lexicons. As illustrated in Table 1, a number of the loanwords are typically of Swahili origin.

DISCUSSIONS

General Picture of Loanwords

Taking borrowings from neighbouring languages aside because I have not been able to deal with such information, findings have been able to capture two source (donor) languages for the data presented in this work, namely Swahili and English. However, of these donor languages, Swahili rather than English loanwords dominate because only two entries are typically English loanwords. The rest of the entries seem to have entered into the Bantu languages through Swahili. Therefore, Swahili accounts for 95 percent of the loanwords into Tanzanian Bantu languages. Such process is also mentioned by other scholars (Kahigi, 2005; Mous and Qorro, 2009). It is my assumption that this phenomenon would have implications to the planners of the official language, education system, as well as the selection of the medium of instruction (MOI) in Tanzania. My main concern here is that Swahili is accommodated into Bantu languages of Tanzania rather than English thus Swahili would be the best choice for MOI in the country.

Secondly, borrowing seems to happen in some Bantu languages and not others within the country. There had been a number of entries attested in some sample languages which are not captured in other sample languages. This may have one vivid implication that may be such technical issues existed in the languages in question so there was no need for loanwords. This proposition, however, has to be taken into considerations with caution because specific semantic fields like *hospital*, *tractor*, *writing* etc. seem to be new to the Bantu languages therefore should be accompanied with loanwords.

Another important area worth discussing herein is about the collision of native lexical entries with their semantics against the foreign lexical entries with their meanings. The semantics revolving around the fields and the choice of loanwords is another area that gives some lexical entries which are quite interesting. For example, in Ruhaya, Runyambo and perhaps Ciruuri, the native word *omufumu* which is treated as *doctor* has its indigenous meaning as a *healer* or *traditional*

Rungwe and Kyela districts in Tanzania in 2007 and 2010. Also, I am grateful to USHEPiA under whose auspices research on Nyakyusa was made possible. For Setswana data which I collected between 2010 and 2012, I am grateful to Tebogo Matlapeng, Lesedi Bamponye, Oteng Maphane, and Doctor Obonye.

medicine person. Also, it has its counter part, *omuganga* for the modern medicine person (doctor). The loanword for a modern health and medical care person is *dakitali*. What I found in the source books is that such entries seem to fuse in meaning in some languages such as Runyambo, Ciruuri and Ruhaya. Another example is found in Ruhaya and Runyambo whereby the entries for *church* include *ekerezia* [<*ecclesia, ecclesiae* [*Noun, Singular, Feminine,* Latin] which is dominantly used for Roman Catholic churches while *ekanisa* [<*kanisa,* Swahili] is used by Lutheran churches.

Moreover, there are differences in the semantic fields, i.e. some semantic fields which would be treated as new in some speech communities in Tanzania, they are typically accommodated by the existing words in other speech communities. Therefore, words which are recorded in bold in Table 2 mean that such words are native by origin hence these languages did not borrow word(s) to fill such semantic fields filled in other languages. Here we should use native-words for the notions like *olutubha* 'plate' and *huti* or *futi* 'gun' in Ciruuri, Cigogo and Zigula against loanwords such as *isaháani* 'plate' and *embundijo* 'gun' in Runyambo and Ciruuri. Such differences may entail that speech communities either employ native-words in accommodating new semantic fields or may opt to take loanwords to accommodate such new notions.

Lastly, some word categories seem to be prone to borrowing than others. For most Bantu languages, previous studies show that nominals (nouns and adjectives) are borrowed easily than verbs and adverbs (Zivenga, 2009). Borrowings present in the various languages covered in the volume edited by Haspelmath and Tadmor (2009) seem to involve several word categories, like verbs, nouns, adjectives and adverbs in languages like Dutch (see page 350).

Other literature also show that the Arabic influences into Hausa and Swahili brought in verbs like *sala* 'pray', *hiji* 'make a pilgrimage' *fahamoo* 'understand' etc. (Newman, 2000; Schadeberg, 2009). English has a fewer verbs into Hausa, e.g. *caja* 'to charge, of a crime' (Newman, 2000) and a fewer English verbs are borrowed into Swahili, e.g. *feli* 'fail' and *pasi* 'pass' (TUKI, 2001). Also, some Arabic adverbs are attested in Hausa and Swahili, e.g. *kama* 'as, such as'. In our case, loanword captured in the lexicons and dictionaries seem to surround only one word category, namely nouns because about 99 percent of the loanwords are typically nouns.

Only two verbs, namely *to nurse* and *to teach/learn* seem to be captured by a foreign notion. One, this foreign notion is, anyway, captured by a native word *rwaasya* 'to take care of the sick' in languages like Ciruuri. Two, *iigisya* in Ciruuri and *ijiza* in Cigogo are employed for teaching. Nonetheless, it is the notions associated with nominalized *nursing* and *teaching* in Bantu languages which are utilized and not the verbal actions/situations.

Semantic Fields Found in the Sampled Data

In all the data presented in the introduction section above (and partly below), we find the following semantic fields (see Table 2 below). Such semantic fields reflect

not only the areas of contact between the speakers of Swahili language and the sample Bantu languages of Tanzania but also specialized fields that would require speakers of Tanzanian Bantu languages to employ Swahili in their communications. In addition, the findings pointed towards the fact that the most semantic fields which take a number of loanwords include education, utensils and domestic tools as well as health and medical care services. The following semantic fields which carry a good deal of loanwords include politics, business and food stuff.

Semantic field	%	Runyambo	Ciruuri	Cigogo	English
Education	15	ecitabo	ecitabho	citabu	book
		omwêji	omuigisi	mwijizwa	pupil
		isomero	isuule		school
Utensils and	15	ecikômbe	ecikoombe		cup
Domestic Tools		omukáasi	imakasi	icetezo	scissors
		imééza	imeeja		table
		ecijíiko	ecijiko	cijiko	spoon
		esaháani	olutubha	ciya, ihani	plate
Health and	12				hospital
Medical Care			omurwaasya		nurse
		akaho	ecisonono		gonorrhoea
Social and	10	kutwâra	isirikaali	silikale	government
Political		omwiserukári	omusikare	musilikale	soldier
Organizations		embûndu	imbundijo	huti	gun
		orunjeréza	ecingereja		English
Business	10	omujájaro	lisoko	isoko	market
		amahéra/empiíya	jiyera	pesa/sendi	money
		edúúka	liduuka		shop
Food Staff	10	amajúta	mafuta		oil
		ecáaye	ecai		tea
		obusênda	ipilipili		pepper
		omugaate	omukaate		bread
Modern Fashion	8	esááti			shirt
		eciráatwa	ecilaato	cilato	shoe
			esurubhale	esuluwale	trousers
Transport	8	endeje	indege	ndeje	aeroplane
		emótoka	imbirigiti		car
Other	8	ekerezía	likanisa		church
Socialisations		omujûngu	omujungu		Whiteman
		orunjeréza	ecingereja		English
Domestic	4	esaabúuni	isabhuni		soap
		ecihoróoni	ecorooni	colo	toilet

 Table 2: Semantic Fields for the Sampled data in LOT Publications

Comparative Analysis

Several facts have been deduced from the preceding data given in section about findings in the sampled Bantu langueges and discussions offered in sections concerning general pictures of loanwords and semantics fields in the sampled data above. As an academic arena, it is informative, thus it is necessary to have a quick glance at data presented in other lexicons and dictionaries. This is the reason this section is envisaged. Again, my language representation is highly skewed because I am working with only three Bantu languages, namely Nyakyusa [M31], Setswana [S31] and Shiyeyi [R41]. For this data, I am working with an estimate of about 110 loanwords from lexicons and dictionaries.

English	Nyakyusa (Felberg 1996)	Setswana (Matumo 1993)	Shiyeyi (Lukusa 2002, 2009)
aeroplane	indeghe		ubaroni
book	ikiitabu	dibuku	ibuka
bread	unkate	borôthô	wurotho
car	ighali	koloi, mmotokara	umutukara
church	ikyalili, itempeli, ikanisa	kêrêkê	
cup	ikikombe	senwêlô	
doctor	unganga	ngaka [a healer]	mupandzi, ing'anga
gonorrhoea	amasendo	matsabana	
government	iselekali	goromêntê	
gun	indusu	tlhôbôlô	
hospital	ikipatala	sepetera	shipatera
English	ikisungu	enyelane, sekgua	shikhuwa
market	isoko	mmaraka	
money	indalama, ihela	madi	maropa
nurse	unnesi	mooki	
oil	amafuta	diole	amazi
pepper	imbilipili	pepere	
plate	isaghani	sejana	
pupils/students	abasukulu	basekolo, basekole	
school	isukulu	sekolo, sekole	shikwere
scissors	isisala	sekere	
soap	isopo	sesepa	
soldier	unsikali	lesole	
spoon	isupuni	duso	katuwo
table	imesa	<i>tafole</i> [<afrikaans]< td=""><td></td></afrikaans]<>	
tea	ikyai		
teacher	umanyisi, umwalimu	murura, titšhara	
toilet	ikibusu	toilete	
tractor	itelekita		
trousers	isulubali	borokgwe	
Whiteman	unsung	mokgua	mokhuwa

 Table 3: Selected Loanwords in other Bantu Languages

One of the observations deduced from data in Table 3 above is about the loanwords in Nyakyusa. Words in Felberg (1996) and Swilla (2000) seem to show that borrowings into Nyakyusa seem to have come from English and Swahili. This

would be a less obvious trend in Tanzania whereby English loanwords into Nyakyusa are visible as Swahili ones. With regard to source languages, this is contrary to Kahigi (2005) in Sisumbwa but supporting Swilla (2000) in Chindali that borrowing is direct from English. Also, such English loanwords occur across semantic fields, e.g. *isopo* 'soap', *isukulu* 'school', *ikyaliki* 'church' etc. In the Bantu languages Setswana and Shiyeyi, English and Afrikaans are the major source languages. Loanwords in these languages come from English which comprise about 90 percent Afrikaans which makes about 10 percent of Setswana and Shiyeyi loanwords.

Another point vividly seen in data in Table 3 above indicates that it is not necessary that a minority language must borrow lexical items from a major national language. This is demonstrated by Shiyeyi, a minority language in Botswana, which has some direct borrowings from English rather than allowing lexical borrowing through Setswana, the national language in the country. For example, a lorry is *ulori*, a school is *shikwéré*, and army troops are *zíkwat*á (Lukusa, 2009). In addition, these languages have a good deal of native words. This entails that these language did not borrow a word to fill such a semantic field observed in other languages. Moreover, all the loanwords captured in these dictionaries are nominals. This pointed towards the fact that nominals are prone to borrowing in sample Bantu languages.

On the issue of semantic fields, which is the focus of the present contribution, the situation seems similar because it is found that the following fields are attested in the three Bantu languages (Table 4).

Semantic field	Nyakyusa	Setswana	Shiyeyi	English
Education	iitabu	dibuku	ibuka	book
	isukulu	sekolo	shikwere	school
Utensils and	isagani	sejana		plate
Domestic Tools	isupuni	duso	katuwo	spoon
	isisala	sekere		scissors
Health and	ikipatala	sepetera	shipatera	hospital
Medical Care	unnesi	mooki		nurse
Social and	iselikali	goromêntê		government
Political	unsikali	lesole		soldier
Organizations				
Business	ihela	madi	maropa	money
	iluka	<i>bênkêlê</i> [<afrikaans] <i>sôpô</i> [<english]< td=""><td><i>ibinkiri</i> [<afrikaans]< td=""><td>shop</td></afrikaans]<></td></english]<></afrikaans] 	<i>ibinkiri</i> [<afrikaans]< td=""><td>shop</td></afrikaans]<>	shop
Food Staff	amafuta	diole	amazi	oil
	unkate	borôthô	wurotho	bread
	imbilipili	pepere		pepper
Modern Fashion	isyati	<i>hêmpê</i> [< Afrikaans]		shirt
Transport	igali	koloi, mmotokara	umutukara	car
Other	ikyalili,	kêrêkê		church
Socialisations	ikanisa			
	unsungu	mokgua	mokhuwa	whiteman
	ikisungu	enyelane, sekgua	shikhuwa	english
Domestic	isopo	sesepa		soap
	ikibusu	toilete		toilet

Table 4: Semantic Fields in other Bantu Languages

Additionally, unlike in Ruhaya and Runyambo speaking communities, for *church*, Nyakyusa has *ikanisa*, which is probably a new influence from Swahili and *ikyaliki* and *itempeli* which are old loanwords from English. In fact, the former is used by the youth while the later is an arena of the elderly (see also Swilla, 2000). Nonetheless, there is no division of the churches based on these loanwords.

Furthermore, on semantic fields, data in Table 4 supports findings in Table 2 above. Modimakwane (2003: 48-50) reports that loanwords are used to refer to various human activities as well. Such words include technology, e.g. *metshine* 'machine' and *terena* 'train', human relations such as *ambasadara* 'ambassador', and economy, e.g. *kopere* 'copper'. Further, Modimakwane (*ibid*) reports that, in discourse, some English loanwords are frequently used than others in Setswana. The frequently used words include: *phathi* 'party', *ofisi* 'office', *palamente* 'parliament', *khansele* 'council', *komiti* 'committee'. The less used borrowings offered therein are: *mmaraka* 'in the market', *kholetshe* 'college' and *diphaephe* 'pipes'. This informs us that the semantics of the contemporary English loanwords borrowed into Setswana surround the social organisations and politics as the main area of contact and influence.

CONCLUSIONS

Nativisation of the various words mentioned in the preceding sections offers a fascinating area for native speakers to decide whether such words belong to the language in question or not. On the one hand, a decision could be made basing on the Scotton and Okeju's (1972: 370) two criteria drawn from Ateso language: (a) whether or not the loan conforms to Ateso phonotactics (i.e. occurrence and cooccurrence rules for Ateso sounds) and (b) whether or not the loanword is inflected as if it were a native Ateso word (i.e. nouns inflected with a gender prefix and some suffixal change to mark plurality, verbs inflected with personal and other relationship prefixes for tense/aspects as well as with suffixes which also indicate various other relationships). In this spirit, we would conclude therefore that *abasukulu* 'pupils' and isopo 'soap' are typically Nyakyusa nativized words. On the other hand, it is believed that the question of making a lexical word native is quite problematic to establish (Hock and Joseph, 1996). For example, during my stay on campus of the University of Botswana, the words pepara 'paper', mokarateng 'in the card', silipára 'slippers', dinara 'dinner', ofisara 'officer', kasitomára 'customer', foroko 'folk' and difendára 'defender' are a common place. However, all speakers of Setswana I asked recognize such words as not native Setswana rather borrowed from English and used with limited audience. But such words have received Setswana inflections such as the prefix *mo*- for class 18.

Also, most of these words do not appear in Matumo's (1993) dictionary. These words end in the agentis nominaliser *-er* in English and they are transferred as so into Setswana. The questions on how much of such words will be nativized and for how long such a process will take remain to be answered. An enquiry was posed in the introduction section above: *One wonders whether such schematic features do appear in the loanwords listed in the lexicons and dictionaries published under Language of Tanzania Project.* As the main area that this paper contributes to, it becomes imperative to pin-point that the semantic fields represented across world

languages seem to be well captured in the works presented herein (see Table 3). The other two questions are also answered herein: do the trends reported in former works (e.g. Gower, 1952) differ from the present ones (e.g. Schadeberg, 2009)? The answer could be that the schemata and contact zones remain essential to date. However, the focus is on between the national languages like Swahili in Tanzania and Setswana in Botswana influencing minority languages like Runyambo, Kijita and Shiyeyi. The other question: do data from LOT publications offer insights to support the former or the latter, or have distinct picture(s)? The answer is that findings from comparisons made in this study support the claim that LOT publications offer enough evidence.

References

- Awagana, A. Ekkehard Wolff and Doris Löhr (2009). Loanwords in Hausa, a Chadic language in West Africa. In: Haspelmath, M. and Tadmor, U. (eds). *Loanwords in the World's Languages: A Comparative Handbook*. Berlin: Mouton de Gruyter. pp. 142-165.
- Batibo, Herman M. (2002). The Evolution of the Swahili Syllable Structure. South African Journal of African Languages, 22(1): 1-10.
- Batibo, H. M. and Rottland, F. (2001). The Adoption of Datooga Loanwords in Sukuma and its Historical Implications. Sprache und Geschichte in Afrika, vol. 16/17. pp. 9-50.
- Creswell, John W. (2007). *Qualitative Inquiry and Research Design: Choosing among Five Approaches*, second edition. Thousand Oaks: Sage Publications.
- Felberg, K. (1996). *Nyakyusa-English-Swahili and English-Nyakyusa Dictionary*. Dar es Salaam: Mkuki na Nyota Publishers.
- Gower, R. H. (1952). Kiswahili Borrowings from English. Journal of the International African Institute, vol. 22(2). Pp. 154-157.
- Haspelmath, M. and Tadmor, U. (eds) (2009). *Loanwords in the World's Languages: A Comparative Handbook*. Berlin: Mouton de Gruyter.
- Hock, Hans H. and Joseph, Brian D. (1996). Language History, Language Change, and Language Relationship: An Introduction to Historical and Comparative Linguistics. Berlin: Mouton de Gruyter.
- Kahigi, K. (2005). The Sisumbwa Noun: Its Classes and Derivation. Occasional Papers in Linguistics Series No. 1. Dar es Salaam: University of Dar es Salaam, LOT Publications. pp. 117-154.
- Kahigi, K. (2008). *Kahe-Swahili-English and English-Kahe-Swahili Lexicon*. Dar es Salaam: University of Dar es Salaam, LOT Publications.
- Leedy, Paul D. and Jeanne E. Ormrod (2010). *Practical Research: Planning and Design*, ninth edition. Boston: Pearson Education International.
- Lukusa, Stephen T. M. (2002). Groundwork in Shiyeyi Grammar with Shiyeyi-English glossary. Frankfurt am Mainz: Peter Lang.
- Lukusa, Stephen T. M. (2009). *Shiyeyi-English Dictionary*. Languages of the World/Dictionaries 42. Muechen: Lincom Europa.
- Lusekelo, Amani (2010). Comparative Study of the Motion Domain in Tanzanian Bantu Languages. *KISWAHILI. Journal of the Institute of Kiswahili Studies*, vol. 73, pp. 13-31.

- Lusekelo, Amani (2012). The expression of Cardinal Directions in the Tanzanian Bantu Languages. *Occasional Papers in Linguistics*. University of Dar es Salaam, pp. 1-18.
- Maho, Jouni F. (2009). The Online Version of the New Updated Guthrie List, a Referential Classification of the Bantu Languages. Available at http://goto.glocalnet.net/mahopapers/nuglonline.pdf. (Accessed 17.08.2010).
- Massamba, David P. B. (1977). A comparative study of the Ruri, Jita and Kwaya "Languages" of the Eastern Shores of Lake Nyanza (Victoria). MA thesis, University of Dar es Salaam.
- Massamba, David P. B. (2005). *Eciruuri: Ciruuri–Kiswahili–English and English-Ciruuri–Kiswahili lexicon*. Dar es Salaam: University of Dar es Salaam, LOT Publications, Lexicon Series. 3.
- Matumo, Z. I. (1993). *Setswana-English-Setswana Dictionary*. Gaborone: McMillan Botswana.
- Mdee, James S. (2008). *Jita-Swahili-English and English-Jita-Swahili Lexicon*. Dar es Salaam: Language of Tanzania (LOT) Project.
- Mochiwa, Zacharia (2008). Zigula-Swahili-English Lexicon. Dar es Salaam: Language of Tanzania (LOT) Project.
- Modimakwane, Motlalepula B. (2003). A Linguistic Analysis of English Loanwords in the Setswana Print Media. Master dissertation, University of Botswana.
- Mous, Maarten and Martha Qorro (2009). Loanwords in Iraqw, a Cushitic Language of Tanzania. In: Haspelmath, M. and Tadmor, U. (Eds.). *Loanwords in the World's Languages: A Comparative Handbook*. Berlijn: De Gruyter Mouton. pp. 103-123
- Mreta, Abel (2008). *Chasu-Swahili-English Lexicon*. Dar es Salaam: Language of Tanzania (LOT) Project.
- Muzale, Henry R. T. (2006). *Ruhaya-English-Kiswahili and English-Ruhaya-Swahili Dictionary*. Dar es Salaam: University of Dar es Salaam, LOT Publications.
- Mwita, Leonard C. (2009). The adaptation of Kiswahili loanwords from Arabic: A Constraint-based Analysis. *The Journal of Pan African Studies*, 2(8). pp. 46-61.
- Newman, Paul (2000). *The Hausa Language: An Encyclopedic Reference Grammar*. New Haven & London: Yale University Press
- Rubanza, Yunus (2008). *Zinza-Swahili-English and English-Zinza-Swahili Lexicon*. Dar es Salaam: University of Dar es Salaam, LOT Publications.
- Rugemalira, Josephat M. (2002). Orunyambo: Runyambo-Kiswahili-English Lexicon. Dar es Salaam: University of Dar es Salaam, LOT Publications, Lexicon Series. 1.
- Rugemalira, Josephat M. (2009). *Cigogo-Swahili-English Dictionary*. Dar es Salaam: Language of Tanzania (LOT) Project.
- Schadeberg, Thilo C. (2009). Loanwords in Swahili. In: Haspelmath, Martin and Tadmor, Uri (eds). Loanwords in the World's Languages: A Comparative Handbook. Berlin: Mouton de Gruyter. pp. 78-102.
- Scotton, Carol Myers and Okeju, John (1972). Loan word integration in Ateso. *Anthropological Linguistics*, 14 (9): 368-382.

- Sewangi, Seleman S. (2008). *Ikiizu-Swahili-English and English-Ikiizu-Swahili Lexicon*. Dar es Salaam: University of Dar es Salaam, LOT Publications.
- Shembuli, Musa M. S. (2010). Mabadiliko ya kifonolojia na kimofolojia wakati wa utohoaji maneno ya Kiarabu katika Swahili: Mifano kutoka Kamusi ya Swahili Sanifu (TUKI 2004). KISWAHILI: Journal of the Institute of Swahili Studies, vol. 73. pp. 45-57.
- Swilla, Imani N. (2000). Borrowing in Chindali. In: Kahigi, Kulikoyela, Yared Kihore and Maarten Mous (eds) *Languages of Tanzania*. Leiden: Research for Asian, African and Amerindian studies. pp. 297-307.
- TUKI (Taasisi ya Uchunguzi wa Kiswahili) (2001). *Kamusi ya Swahili-Kiingereza*. Dar es Salaam: Institute of Swahili Research.
- Zivenge, William (2009). *Phonological and Morphological Nativisation of English Loans in Tonga*. Doctoral thesis, University of South Africa.