



Universiteit  
Leiden  
The Netherlands

## **A functional approach to differential indexing: combining perspectives from typology and corpus linguistics**

Just, E.C.

### **Citation**

Just, E. C. (2022, April 20). *A functional approach to differential indexing: combining perspectives from typology and corpus linguistics*. LOT dissertation series. LOT, Amsterdam. Retrieved from <https://hdl.handle.net/1887/3283627>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/3283627>

**Note:** To cite this publication please use the final published version (if applicable).

# Appendices



## Appendix A

# Ruuli coding scheme

### A.1 Annotated texts

All annotated texts are part of the corpus of spoken Ruuli (Witzlack-Makarevich et al. 2019); they are all transcripts from conversations recorded in February 2017, in the villages of Kayunga, Nakasongola, and Kibbale. The following table lists the text IDs with some meta information on the speakers (sex and year of birth) and the topics of the conversations:

The texts and their translations are copied into a spreadsheet for annotation, each variable is coded in a devoted column.

### A.2 Step 1: Identifying P

Manually tag transitive predicates. The following instances are excluded:

- a) clauses where P is a headless relative clause or a complement clause
- b) cases of light verb constructions/fixed expressions without individuated participants
- c) passives, reflexives, reciprocals
- d) unclear ditransitives (e.g. 'to note')

With these predicates, we identify the less agent-like argument as P.

ID	Speakers	Topics
II-R-NAKASONGOLA-170225-FS-1	M 1967 F 1980	expectations towards family members; gender roles; traditional medicines; working abroad
II-N-BBALE-170220-FS-4	M 1950 F 1955 F unknown	childhood; taboos; marriage
II-N-BBALE-170220-FS-2	M 1968 F 1958	Banyala historical accounts; expectations for the future
II-N-WSKAYUNGA-170218-FS-1A	M 1964 M 1939	culture in general; traditional religion among the Banyala; political history; names and naming strategies
II-M-KIBBALE-170221-FS-4B	M 1974 M 1960	types and uses of trees; wild and domestic animals
II-R-NAKASONGOLA-170224-FS-1A	M 1962 M 1962 M 1951	political structure, blacksmithing, pottery, beer making

Table A.1: Metadata on annotated Ruuli texts

### A.3 Step 2: Determine the head of P

If P is represented by a complex expression, such as the ones below, we annotate the head of the phrase. The following scheme will be used:

- NP1 + conjunction + NP2 → NP1
- determiner/adjective/numeral + noun → noun
- noun1 + preposition + noun2 → noun1 (e.g. *abasaiza ba irai* ‘men of the past’)
- pronoun + NP → pronoun (e.g. *owa Kangulumira* ‘one of the Kangulumira’)
- noun + possessive pronoun → noun (e.g. *engeso zaalyo* ‘its norms’)

There can also be a zero head e.g. *owamu aliayi* ‘where is yours [i.e. your child]?’ In that case, code only the properties that can be inferred from the context. Code “NA” for the rest. In this example, there will be a “NA” for part of speech and subcategory of the head, whereas 3SG, noun class 1, human, definite, and given can be inferred.

## **A.4 Step 3: Code for semantic and formal variables of P, the overtness of the A referent and word order**

1. Index
  - 0 (no index)
  - 1 (index)
2. Presence of referential NP
  - 0 (no NP)
  - 1 (NP present)
3. POS of the head
  - noun
  - pronoun
  - NA (in case there's no head)
4. Subcategory of the head
  - a) For nouns: “proper” vs. “common”, the following are instances of “proper”
    - personal names
    - place names
    - institutions

The rest are coded as common nouns.
  - b) Pronouns: personal, possessive, demonstrative, interrogative, other
  - c) Other parts of speech or zero head: NA
5. Noun class of the head (for Ruuli noun classes see Namyalo et al. 2021: 43-49)
6. Modification of head noun
  - NA (if there is no head)
  - none
  - possessive pronoun
  - adjective
  - relative clause
  - prepositional phrase

- quantifier
  - numeral
  - demonstrative
  - interrogative
  - other
  - multiple (if there is more than one modifier)
7. Referent person and number
- 1SG
  - 1PL
  - 2SG
  - 2PL
  - 3SG
  - 3PL
8. Semantic class of the referent: we always code the referent, not the noun (e.g. *kanisa* 'church' could be a physical object or an institution, depending on context)
- human
  - kinship term
  - environment (field, river etc.)
  - animal
  - physical object (can be touched)
  - abstract entity (cannot be touched), but not an event
  - event (involves the time dimension)
  - organization
  - anthropomorphic (god, angels, demons, etc.)
9. Identifiability: Covers both definiteness and specificity.
- definite: the referent can be identified by both the speaker and the hearer, e.g. *My father has bought the car I told you about.*
  - specific: identifiable by the speaker only, e.g. *I've just bought a car.*
  - non-specific: not identifiable by neither the speaker nor the hearer, e.g. *I want to buy a car [any car].* Also used in impersonal contexts (e.g. *They are going to build a plant*) and in generic statements when

the focus is on any arbitrary member of the class (e.g. *A computer is a useful device*).

10. Discourse accessibility of the referent (givenness):

- given: textually given (i.e. mentioned previously + inferable from previous mentioning).
- new: first mention of a referent.
- NA: impersonal uses of pronouns, interrogative and relative pronouns.

We do not include a status such as “accessible” (cf. Chafe 1976), meaning not previously mentioned, but inferable using background knowledge. Speakers’ background knowledge is very hard to know, so we end up with textual givenness in terms of previously mentioned vs. not mentioned.

11. Presence of the A noun phrase

- 0 (no NP)
- 1 (NP present)

12. Word order (linear order of A NP, P NP and verb)

- AVP
- APV
- PAV
- PVA
- PV
- AV
- VP
- V





## Appendix B

# Maltese coding scheme

### B.1 Texts

From the transcripts of parliamentary debates from the *bulbulistan* corpus<sup>1</sup>, all (orthographic) sentences (cf. Čéplö 2018a: 63-64) containing the keyword *nagħmlu* (without index) and *nagħmluha* (with an index for 3SG.F) are extracted; the preceding and the following 1000 characters are extracted as well, in order to account for context. We conceive of these transcripts as “coming close to naturalistic speech” and not “naturalistic speech”, as a comparison of randomly selected transcripts with their audio recordings has made it clear that some editing was executed (Čéplö 2018a: 58).

### B.2 Annotation

In a spreadsheet, the clauses containing the keywords are annotated, taking into consideration the left and right context. Instances with as well as without co-referential object NP are considered. If this NP is a complex one, we consider the features of the head of the object NP. EJ annotates all instances of *nagħmluha*, SČ takes on instances of *nagħmlu*.

The following formal and referential features are coded, in one dedicated column each:

1. Index

---

<sup>1</sup>see Čéplö 2018a and <http://www.bulbul.sk/bonito2/>

- 0 (no index)
- 1 (index)
- 2. Presence of referential NP
  - 0 (np NP)
  - 1 (NP present)
- 3. POS of the head
  - noun
  - pronoun
  - NA (in case there's no head)
- 4. Subcategory of the head
  - proper noun
  - common noun
  - personal pronoun
  - impersonal use of personal pronoun
  - possessive pronoun
  - demonstrative pronoun
  - interrogative pronoun
- 5. Modification of head NP
  - NA (if there is no head)
  - none
  - adjective
  - relative clause
  - determiner
  - possessive
  - numeral
  - demonstrative
  - multiple
- 6. Semantic class of the referent
  - physical object (can be touched)
  - abstract entity (cannot be touched), but not an event
  - event (involves the time dimension)
  - organization

7. Identifiability: Covers both definiteness and specificity
  - definite: the referent can be identified by both the speaker and the hearer, e.g. *my father has bought the car I told you about*; can be overtly marked for definiteness, but does not have to be
  - specific: identifiable by the speaker only
  - non-specific: not identifiable by neither the speaker nor the hearer
8. Givenness
  - given: textually given, i.e. explicitly mentioned, within the previous 1000 characters
  - new: not mentioned within the previous 1000 characters
9. Clause type
  - main clause
  - relative clause
  - adverbial clause
  - complement clause
10. Polarity
  - positive
  - negative
11. Sentence type
  - declarative
  - imperative
  - interrogative
  - exhortative
12. Order of subject, object and verb
  - SVO
  - VO
  - OV
  - V



## Appendix C

# Gutob coding scheme

### C.1 Annotated texts

ID	Speakers	Topics
Gutob-0444-20161125_3	Gurbari, ~70y	interview on traditions
Gutob-0444-20161205_9	Tulsa, Komu, Rotika, ~20-35y	fairy tale
Gutob-0444-20161220	Komla, ~45y	life experiences
Gutob-0444-20170105_1	Sukri, ~45y	life experiences
gutob-0444-20170116_3	Donnai, ~20y	fairy tale
Gutob-0444-20170119_4	Komla, ~45y	daily life experiences
Gutob-0444-20170130	Rotika, ~20y	fairy tale
Gutob-0444-20170131	Komla, ~45y	interview on traditions
Gutob-0444-20170209_1	Komla, ~45y	interview on traditions
Gutob-0444-20170210	Komla, ~45y	interview on traditions
Gutob-0444-20170215	Rotika, ~20y	fairy tale
Gutob-0444-20170327_2	Sukri, ~45y	life experiences

Table C.1: Metadata on annotated Gutob texts

Our study is based on a corpus collected during a recent language documentation project (Voß 2018) between 2016 and 2018. Our subcorpus for annotation contains 32669 words and is comprised of 12 narratives and stories from everyday life (approx. 360 min) by 7 speakers (see Table C.1). As only very few women in the parent generation, usually the eldest daughters in the family, can speak Gutob, and the youngest male speakers are in the grandparent generation or up, all of the speakers here are female.

## C.2 Clauses coded

We only annotate finite clauses. Clauses with non-verbal predication are excluded, as well as conditional and sequential clauses. Conditional clauses entail then conditional verbal suffix *-na*, glossed as COND. Sequential clauses are recognized by the final clitic *=su*, glossed as =and.

## C.3 Variables

In a spreadsheet, we code for every clause

- person and number of the S/A argument
  - 1SG
  - 1PL
  - 2SG
  - 2PL
  - 3SG
  - 3PL
- whether the referent is expressed by an NP (values 1 or 0)
- whether there is a non-verbal index (1 or 0)
- whether there is a verbal index (1 or 0)
- the host of the non-verbal index
  - adverbial phrase
  - adverb
  - demonstrative
  - interrogative pronoun

- numeral
- object NP
- other
- NA (in case of no non-verbal index)
- whether a preverbal index would have been syntactically possible (values 1 or 0)





# Bibliography

- Aikhenvald, Alexandra Y. 2003. Typological parameters for the study of clitics, with special reference to Tariana. In Robert M. W. Dixon & Alexandra Y Aikhenvald (eds.), *Word: A Cross-linguistic Typology*, 42–78. Cambridge University Press.
- Aissen, Judith. 1999. Markedness and subject choice in Optimality Theory. *Natural Language and Linguistic Theory* 17(4). 673–711.
- Aissen, Judith. 2003. Differential Object Marking: Iconicity vs. Economy. *Natural Language and Linguistic Theory* 21. 435–483.
- Amberber, Mengistu. 2009. Differential case marking of arguments in Amharic. In Andrej Malchukov & Andrew Spencer (eds.), *The Oxford Handbook of Case*, 742–755. Oxford: Oxford University Press.
- Amha, Azeb. 2007. Questioning forms in Zargulla. In Rainer Voigt (ed.), *From Beyond the Mediterranean: Akten des 7. Internationalen Semito-äthiopistenkongresses*, 197–210. Düren: Shaker Verlag.
- Amha, Azeb. 2009. The morphosyntax of negation in Zargulla. In W. Leo Wetzels (ed.), *The Linguistics of Endangered Languages*, 197–220. Utrecht: LOT.
- Anderson, Gregory. 2001. A new classification of South Munda: Evidence from comparative verb morphology. *Indian linguistics* 62(1-4). 21–36.
- Anderson, Gregory D. S. 2007. *The Munda Verb: Typological Perspectives*. Berlin: De Gruyter Mouton.
- Anderson, Gregory D. S. 2008. *The Munda languages*. London: Routledge.
- Anderson, Gregory D.S. & K. David Harrison. 2008. Remo (Bonda). In Gregory D.S. Anderson (ed.), *The Munda languages*, 557–632. London: Routledge.

- Anderson, Gregory D.S. & Norman H Zide. 2001. Recent advances in the reconstruction of the Proto-Munda verb. In Laurel J. Brinton (ed.), *Historical Linguistics 1999: Selected papers from the 14th International Conference on Historical Linguistics, Vancouver, 9–13 August 1999*, 13–30. Amsterdam: John Benjamins.
- Anderson, Stephen R. 1992. *A-Morphous Morphology*. Cambridge: Cambridge University Press.
- Anderson, Stephen R. 1993. Wackernagel's revenge: clitics, morphology, and the syntax of second position. *Language* 69(1).
- Anderson, Stephen R. 2005. *Aspects of the theory of clitics*. Oxford: Oxford University Press.
- Aoun, Joseph. 1999. Clitic-doubled arguments. In Kyle Johnson & Ian Roberts (eds.), *Beyond principles and parameters: Essays in Memory of Osvaldo Jaeggli*, 13–42. Dordrecht: Springer.
- Aquilina, Joseph. 1940. *The structure of Maltese: A study in mixed grammar and vocabulary*. London: School of Oriental and African Studies.
- Aquilina, Joseph. 1958. Maltese as a mixed language. *Journal of Semitic Studies* 3(1). 58–79.
- Aquilina, Joseph. 1987. *Maltese-English Dictionary*. Malta: Midsea Books.
- Ariel, Mira. 1990. *Accessing noun-phrase antecedents*. London/New York: Routledge.
- Arkadiev, Peter. 2010. Clitic doubling: Towards a typology. Paper presented at the Workshop on Clitics and Syntactic Typology. [https://www.academia.edu/1695634/Clitic\\_doubling\\_Towards\\_a\\_typology](https://www.academia.edu/1695634/Clitic_doubling_Towards_a_typology).
- Arkadiev, Peter. 2013. Double-marking of prominent objects: a cross-linguistic typology. Handout of talk presented at the 10th Conference of the Association of Linguistic Typology in Leipzig, 2013.
- Baier, Nicholas Benson. 2018. *Anti-agreement*. Berkeley: University of California PhD dissertation.
- Baker, Brett J. 2002. How referential is agreement? In Nicholas D. Evans & Hans-Jürgen Sasse (eds.), *Problems of polysynthesis*, Berlin: Akademie Verlag.
- Bakker, Dik & Anna Siewierska. 2009. Case and alternative strategies: Word order and agreement marking. In Andrej Malchukov & Andrew Spencer (eds.), *The Oxford handbook of case*, 290–303. Oxford: Oxford University

Press.

- Barbosa, Pilar. 1996. Clitic placement in European Portuguese and the position of subjects. In Aaron L. Halpern & Arnold M. Zwicky (eds.), *Approaching second: Second position clitics and related phenomena*, 1–40. Stanford, CA: CSLI Publications.
- Baumann, Stefan. 2012. *The Intonation of Givenness: Evidence from German*. Tübingen: Max Niemeyer Verlag.
- Béjar, Susana. 1999. Agreement alternations and functional licensing in Selayarese. *Toronto Working Papers in Linguistics* 16(2). 51–61.
- Benveniste, Émile. 1971. *Problems in General Linguistics*. Coral Gables, FL: University of Miami Press.
- Berger, Peter. 2015. *Feeding, Sharing, and Devouring: Ritual and Society in Highland Odisha, India*. Berlin: De Gruyter Mouton.
- Bickel, Balthasar. 2003. Referential density in discourse and syntactic typology. *Language* 79.
- Bickel, Balthasar. 2008. On the scope of the referential hierarchy in the typology of grammatical relations. In Greville G. Corbett & Michael Noonan (eds.), *Case and Grammatical Relations: Studies in Honor of Bernard Comrie*, 191–210. Amsterdam: John Benjamins.
- Bickel, Balthasar. 2011. Grammatical relations typology. In Jae Jung Song (ed.), *The Oxford Handbook of Language Typology*, 399–444. Oxford: Oxford University Press.
- Bickel, Balthasar, Giorgio Iemmolo, Taras Zakharko & Alena Witzlack-Makarevich. 2013. Patterns of alignment in verb agreement. In Dik Bakker & Martin Haspelmath (eds.), *Languages across boundaries: Studies in memory of Anna Siewierska*, 15–36. Berlin: De Gruyter Mouton.
- Bickel, Balthasar & Johanna Nichols. 2007. Inflectional morphology. In Timothy Shopen (ed.), *Language Typology and Syntactic Description*, vol. 3, 169–240. Cambridge: Cambridge University Press.
- Bickel, Balthasar & Johanna Nichols. 2009. Case-marking and alignment. In Andrej Malchukov & Andrew Spencer (eds.), *The Oxford Handbook of Case*, 304–321. Oxford: Oxford University Press.
- Blois, Kornelis Frans de. 1970. The augment in the Bantu languages. *Africana linguistica* 4(1). 85–165.

- Bolotin, Naomi. 1995. Arabic and parametric VSO agreement. In Mushira Eid (ed.), *Perspectives on Arabic Linguistics : Papers from the Annual Symposium on Arabic Linguistics Volume VII*, 7–28. Amsterdam: John Benjamins.
- Borg, Albert & Marie Azzopardi-Alexander. 1997. *Maltese*. London: Routledge.
- Borg, Albert & Marie Azzopardi-Alexander. 2009. Topicalisation in Maltese. In Bernard Comrie, Ray Fabri, Elizabeth Hume, Manwel Mifsud, Thomas Stolz & Martine Vanhove (eds.), *Introducing Maltese Linguistics: Selected papers from the 1st International Conference on Maltese Linguistics*, 71–81. Amsterdam: John Benjamins.
- Borsley, Robert D. 2009. On the superficiality of Welsh agreement. *Natural Language & Linguistic Theory* 27(2). 225–265.
- Borsley, Robert D., Maggie Tallerman & David Willis. 2007. *The Syntax of Welsh*. New York: Cambridge University Press.
- Bossong, Georg. 1982. Der präpositionale Akkusativ im Sardischen. In Otto Winkelmann & Maria Braisch (eds.), *Festschrift für Johannes Hubschmid zum 65. Geburtstag: Beiträge zur allgemeinen, indogermanischen und romanischen Sprachwissenschaft*, 579–599. Bern: Francke.
- Bresnan, Joan, Anna Cueni, Tatiana Nikitina & Harald Baayen. 2007. Predicting the dative alternation. In Gerlof Boume, Irene Krämer & Joost Zwarts (eds.), *Cognitive Foundations of Interpretation*, 69–94. Amsterdam: Koninklijke Nederlandse Akademie van Wetenschappen.
- Bresnan, Joan & Sam A. Mchombo. 1987. Topic, pronoun, and agreement in Chichewa. *Language* 63. 741–782.
- Brustad, Kristen. 2000. *The syntax of spoken Arabic: A comparative study of Moroccan, Egyptian, Syrian, and Kuwaiti dialects*. Washington: Georgetown University Press.
- Buell, Leston Chandler. 2005. *Issues in Zulu verbal morphosyntax*: University of California at Los Angeles PhD dissertation.
- Butt, Miriam & Wilhelm Geuder. 2003. Light verbs in Urdu and grammaticalization. In Regine Eckardt, Klaus von Heusinger & Christoph Schwarze (eds.), *Words in time: diachronic semantics from different points of view*, 295–350. Berlin: Mouton de Gruyter.
- Capell, Arthur. 1972. The affix-transferring languages of Australia. *Linguistics* 10(87). 5–36.

- de Cat, Cécile. 2004. On the impact of French subject clitics on the information structure of the sentence. In Bart Hollebrandse, Brigitte Kampers-Manhe, Petra Sleeman & Reineke Bok-Bennema (eds.), *Romance Languages and Linguistic Theory: Selected Papers from "Going Romance", Groningen, 28-30 November 2002*, 33–46. Amsterdam: John Benjamins.
- Čéplö, Slavomír. 2014. An overview of object reduplication in Maltese. In Alexandra Vella Albert Borg, Sandro Caruana (ed.), *Perspectives on Maltese Linguistics*, 201–222. Berlin: De Gruyter Mouton.
- Čéplö, Slavomír. 2018a. *Constituent order in Maltese: A quantitative analysis*. Prague: Charles University in Prague Doctoral dissertation.
- Čéplö, Slavomír. 2018b. Maltese Universal Dependencies Treebank. In Joakim Nivre et al. (ed.), *Universal Dependencies 2.3, LINDAT/CLARIN digital library at the Institute of Formal and Applied Linguistics (ÚFAL)*, Prague: Charles University.
- Chafe, Wallace L. 1976. Givenness, contrastiveness, definiteness, subjects, topics, and point of view. In Charles N. Li (ed.), *Subject and topic*, 27–55. New York: Academic Press.
- Cojocaru, Dana. 2004. *Romanian Grammar*. Durham: Slavic and East European Language Research Center.
- Comrie, Bernard. 1988. Topics, grammaticalized topics, and subjects. In *Proceedings of the Fourteenth Annual Meeting of the Berkeley Linguistics Society*, 265–279.
- Comrie, Bernard & Michael Spagnol. 2016. Maltese loanword typology. In Gilbert Puech & Benjamin Saade (eds.), *Shifts and Patterns in Maltese*, 315–330. De Gruyter Mouton.
- Coppock, Elizabeth & Stephen Wechsler. 2012. The objective conjugation in Hungarian: Agreement without phi-features. *Natural Language & Linguistic Theory* 30(3). 699–740.
- Corbett, Greville G. 2006. *Agreement*. Cambridge: Cambridge University Press.
- Cowell, Mark W. 1964. *A Reference Grammar of Syrian Arabic: Based on the dialect of Damascus*. Washington: Georgetown University Press.
- Creissels, Denis. 2005. A typology of subject marker and object marker systems. In Erhard F.K. Voeltz (ed.), *Studies in African linguistic typology*, 445–459. Amsterdam: John Benjamins.

- Creissels, Denis. 2009. Ergativity/Accusativity Revisited. Presented at ALT VIII, Berkeley ([www.deniscreissels.fr/public/Creissels-ergativity.pdf](http://www.deniscreissels.fr/public/Creissels-ergativity.pdf)).
- Croft, William. 1988. Agreement vs. Case Marking and Direct Objects. In Michael Barlow & Charles Ferguson (eds.), *Agreement in Natural Language: Approaches, Theories, Descriptions*, Stanford, CA: CSLI Publications.
- Croft, William. 2001. *Radical Construction Grammar: Syntactic Theory in Typological Perspective*. Oxford: Oxford University Press.
- Croft, William. 2003. *Typology and Universals*. Cambridge: Cambridge University Press.
- Culbertson, Jennifer. 2010. Convergent evidence for categorial change in French: from subject clitic to agreement marker. *Language* 86(1). 85–132.
- Cysouw, Michael. 2003. Towards a typology of pronominal cliticization. Handout presented at the 5th International Conference of the Association for Linguistic Typology. [http://cysouw.de/home/presentations\\_files/cysouwCLITICS\\_handout.pdf](http://cysouw.de/home/presentations_files/cysouwCLITICS_handout.pdf).
- Cysouw, Michael. 2004. The rise of person inflection with special reference to the Munda languages. Paper presented at the 11th International Morphology Meeting 2004.
- Dahl, Östen. 2000. Egophoricity in discourse and syntax. *Functions of Language* 7(11). 37–77.
- Dalrymple, Mary & Irina Nikolaeva. 2011. *Objects and information structure*. Cambridge: Cambridge University Press.
- De Cat, Cécile & Katherine Demuth. 2008. *The Bantu-Romance Connection: A comparative investigation of verbal agreement, DPs, and information structure*. Amsterdam: John Benjamins.
- DeLancey, Scott. 1981. An interpretation of split ergativity and related patterns. *Language* 57. 626–657.
- Diercks, Michael, Rodrigo Ranero & Mary Paster. 2015. Evidence for a clitic analysis of object markers in Kuria. In Elizabeth C. Zsiga & One Tlale Boyer (eds.), *Selected Proceedings of the 44th Annual Conference on African Linguistics*, Somerville, MA: Cascadilla Proceedings Project.
- Dixon, Robert M. W. 1979. Ergativity. *Language* 55. 59–138.
- Dixon, Robert M. W. 2002. *Australian Languages*. Cambridge: Cambridge University Press.

- Dixon, Robert M. W. 2010. *Basic Linguistic Theory*, vol. 2: Grammatical Topics. Oxford: Oxford University Press.
- Dixon, Robert M. W. & Alexandra Y. Aikhenvald. 2002. *Word: A Cross-linguistic Typology*. Cambridge: Cambridge University Press.
- Donegan, Patricia & David Stampe. 2004. Rhythm and the synthetic drift of Munda. *The yearbook of South Asian languages and linguistics* 7. 3–36.
- Downing, Laura & Lutz Marten. 2019. Clausal morphosyntax and information structure. In Mark Van de Velde, Koen Bostoen, Derek Nurse & Gérard Philippson (eds.), *The Bantu languages*, 270–307. London: Routledge.
- Downing, Laura J. 2011. The prosody of ‘dislocation’ in selected Bantu languages. *Lingua* 121(5). 772 – 786.
- Downing, Laura J. 2018. Differential object marking in Chichewa. In Alena Witzlack-Makarevich & Ilja A. Seržant (eds.), *Diachrony of differential argument marking*, 41–67. Berlin: Language Science Press.
- Dryer, Matthew. 1986. Primary Objects, Secondary Objects, and Antidative. *Language* 62. 808–845.
- Dryer, Matthew S. 1997. Are grammatical relations universal? In Joan Bybee, John Haiman & Sandra A. Thompson (eds.), *Essays on Language Function and Language Type Dedicated to T. Givón*, 115–143. Amsterdam: John Benjamins.
- DuBois, John W. 1987. The discourse basis of ergativity. *Language* 63. 805–855.
- Duff-Tripp, Martha. 1997. *Gramática del idioma yanasha’ (amuesha)* Serie Lingüística Peruana. Lima: Ministerio de Educación and Instituto Lingüístico de Verano.
- Duranti, Alessandro. 1979. Object clitic pronouns in Bantu and the topicality hierarchy. *Studies in African Linguistics* 10(1). 31–45.
- Erika & Alena Witzlack-Makarevich. accepted. A corpus-based analysis of P indexing in Ruuli (Bantu, JE103). Manuscript accepted for publication.
- Fabri, Ray. 1993. *Kongruenz und die Grammatik des Maltesischen*. Tübingen: Max Niemeyer Verlag.
- Fabri, Ray & Albert Borg. 2002. Topic, focus and word order in Maltese. In Abderrahim Youssi, Fouzia Benjelloun, Mohamed Dahbi & Zakia Iraqui Sinaceur (eds.), *Aspects of Dialects of Arabic Today*, 354–363. Rabat: Amap-atril.



- Facundes, Sidney da Silva. 2000. *The Language of the Apurinã People of Brazil (Maipure/Arawak)*. Buffalo, NY: SUNY PhD dissertation.
- Falk, Yehuda N. 2006. *Subjects and Universal Grammar: An Explanatory Theory*. Cambridge: Cambridge University Press.
- Fauconnier, Stefanie & Jean-Christophe Verstraete. 2014. A and O as each other's mirror image? Problems with markedness reversal. *Linguistic Typology* 18(1). 3–49.
- Fedden, Sebastian, Dunstan Brown, František Kratochvíl, Laura C Robinson & Antoinette Schapper. 2014. Variation in pronominal indexing: lexical stipulation vs. referential properties in Alor-Pantar languages. *Studies in Language* 38(1). 44–79.
- Fernandez, Frank. 1983. The morphology of the Remo (Bonda) verbs. *International Journal of Dravidian Linguistics* 12. 15–45.
- Fischer, Susann, Mario Navarro & Jorge Vega Vilanova. 2019. The clitic doubling parameter: Development and distribution of a cyclic change. In *Cycles in Language Change*, 52–70. Oxford University Press.
- Fischer, Susann & Esther Rinke. 2013. Explaining the variability of clitic doubling across Romance: a diachronic account. *Linguistische Berichte* 2013(236). 455–472.
- Forker, Diana. 2016. Floating agreement and information structure: The case of Sanzhi Dargwa. *Studies in Language* 40(1). 1–25.
- Franks, Steven & Tracy Holloway King. 2000. *A handbook of Slavic clitics*. Oxford: Oxford University Press.
- Friedman, Victor A. 2008. Balkan object reduplication in areal and dialectological perspective. In Dalina Kallulli & Liliane Tasmowski (eds.), *Clitic doubling in the Balkan languages*, 35–63. Amsterdam: John Benjamins.
- Gaby, Alice Rose. 2006. *A Grammar of Kuuk Thaayorre*. Melbourne: University of Melbourne PhD dissertation.
- García-Miguel, José M. 2015. Variable coding and object alignment in Spanish: A corpus-based approach. *Folia Linguistica* 49(1). 205–256.
- Gilligan, Gary Martin. 1987. *A cross-linguistic approach to the pro-drop parameter*. Los Angeles: University of Southern California Doctoral dissertation.
- Givón, T. 2011. *Ute Reference Grammar*. Amsterdam: John Benjamins.

- 
- Givón, Talmy. 1976. Topic, pronoun, and grammatical agreement. In Charles N. Li (ed.), *Subject and Topic*, New York: Academic Press.
- Givón, Talmy (ed.). 1983. *Topic continuity in discourse: a quantitative cross-language study*. Amsterdam: John Benjamins.
- Goldstein, David M. 2021. A multifactorial analysis of differential agent marking in Herodotus. *Journal of Greek Linguistics* 21(1). 3–57.
- Gómez González, María de los Ángeles. 1997. On Theme, Topic and Givenness: The state of the art. *Moenia* 135–155.
- Gries, Stefan Th. 2020. On classification trees and random forests in corpus linguistics: Some words of caution and suggestions for improvement. *Corpus Linguistics and Linguistic Theory* 16(3). 617–647.
- Griffiths, Arlo. 2008. Gutob. In Gregory D. S. Anderson (ed.), *The Munda languages*, 633–681. London: Routledge.
- Guillaume, Antoine. 2009. Hierarchical agreement and split intransitivity in Reyesano. *International journal of American linguistics* 75(1). 29–48.
- Gunlogson, Christine. 2001. Third-Person Object Prefixes in Babine-Witsuwit'en. *International Journal of American Linguistics* 67(4). 365–395.
- Haig, Geoffrey. 2018. The grammaticalization of object pronouns: Why differential object indexing is an attractor state. *Linguistics* 56(4). 781–818.
- Haig, Geoffrey & Diana Forker. 2018. Agreement in grammar and discourse: A research overview. *Linguistics* 56(4). 715–734.
- Haig, Geoffrey, Nils N. Schiborr & Stefan Schnell. 2020. On potential statistical universals of grammar in discourse: Evidence from Multi-CAST. Talk presented at the 42. Jahrestagung der Deutschen Gesellschaft für Sprachwissenschaft, Hamburg.
- Harris, Alice C. 2000. Where in the word is the Udi clitic? *Language* 76(3). 593–616.
- Harris, Alice C. 2009. *Georgian syntax: a study in relational grammar* Cambridge studies in linguistics. Cambridge [u. a.]: Cambridge: Cambridge University Press. Includes index. Bibliography: p. [309]-318.
- Haspelmath, Martin. 2010. Comparative concepts and descriptive categories in crosslinguistic studies. *Language* 86(3).
- Haspelmath, Martin. 2011. On S, A, P, T, and R as comparative concepts for alignment typology. *Linguistic Typology* 15. 535–567.

- Haspelmath, Martin. 2013. Argument indexing: A conceptual framework for the syntactic status of bound person forms. In Dik Bakker & Martin Haspelmath (eds.), *Languages across boundaries: Studies in memory of Anna Siewierska*, 197–226. Berlin: De Gruyter Mouton.
- Haspelmath, Martin. 2019. Indexing and flagging, and head and dependent marking. *Te Reo* 62(1). 93–115.
- Haspelmath, Martin. 2021a. Explaining grammatical coding asymmetries: Form–frequency correspondences and predictability. *Journal of Linguistics* 1—29.
- Haspelmath, Martin. 2021b. Role-reference associations and the explanation of argument coding splits. *Linguistics* 59(1). 123–174.
- Heath, Jeffrey. 2008. *A grammar of Jamsay*. Berlin, New York: De Gruyter Mouton. <http://www.degruyter.com/view/books/9783110207224/9783110207224/9783110207224.xml>.
- Hellenthal, Anneke Christine. 2010. *A grammar of Sheko*: University of Leiden PhD dissertation.
- Hoffmann, Johann Baptist. 1903. *Mundari grammar*. Calcutta: Bengal Secretariat Press.
- Hoop, Helen De & Andrej L. Malchukov. 2008. Case-Marking Strategies. *Linguistic Inquiry* 39(4). 565–587.
- Hothorn, Torsten, Kurt Hornik & Achim Zeileis. 2006. Unbiased recursive partitioning: A conditional inference framework. *Journal of Computational and Graphical statistics* 15(3). 651–674.
- Hundt, Marianne. 2018. It is time that this (should) be studied across a broader range of Englishes: A global trip around mandative subjunctives. In Sandra C. Deshors (ed.), *Modeling World Englishes: Assessing the interplay of emancipation and globalization of ESL varieties*, 217–244. Amsterdam: John Benjamins.
- Iemmolo, Giorgio. 2010. Topicality and differential object marking: Evidence from Romance and beyond. *Studies in Language* 34(2). 239–272.
- Iemmolo, Giorgio. 2011. *Towards a typological study of Differential Object Marking and Differential Object Indexation*: Università degli Studi di Pavia PhD dissertation.

- Iemmolo, Giorgio & Alena Witzlack-Makarevich. 2013. When is there agreement? Typologizing suspension restrictions on agreement. Talk at the 10th Biennial Conference of the Association for Linguistic Typology, Leipzig.
- Ivanov, Ivan P. 2012. L2 acquisition of Bulgarian clitic doubling: A test Case for the Interface Hypothesis. *Second Language Research* 28(3). 345–368. <http://www.jstor.org/stable/43103900>.
- Jaeggli, Osvaldo. 1981. *Topics in Romance syntax*. Dordrecht: Foris Publications.
- Jukes, Anthony. 2015. Focus and argument indexing in Makasar. In *Proceedings of the Second International Workshop on Information Structure of Austronesian Languages, Research Institute for Languages and Cultures of Asia and Africa, Tokyo University of Foreign Studies*, 53–63.
- Just, Erika. submitted. A structural and functional comparison of differential A and P indexing. Manuscript submitted for publication.
- Just, Erika & Slavomír Čéplö. to appear. Differential object indexing in Maltese - a corpus based pilot study. In Przemysław Turek & Julia Nintemann (eds.), *Maltese: Contemporary changes and historical innovations*, Berlin: De Gruyter Mouton.
- Kallulli, Dalina. 2000. Direct object clitic doubling in Albanian and Greek. In Frits H. Beukema & Marcel Den Dikken (eds.), *Clitic phenomena in European languages*, 209–248. John Benjamins.
- Kallulli, Dalina & Liliane Tasmowski. 2008a. Clitic doubling, core syntax and the interfaces. In Dalina Kallulli & Liliane Tasmowski (eds.), *Clitic doubling in the Balkan languages*, 1–34. Amsterdam: John Benjamins.
- Kallulli, Dalina & Liliane Tasmowski. 2008b. *Clitic doubling in the Balkan languages*. Amsterdam: John Benjamins.
- Kawalya, Deo, Koen Bostoen & Gilles-Maurice De Schryver. 2014. Diachronic semantics of the modal verb-sóból-in Luganda: A corpus-driven approach. *International Journal of Corpus Linguistics* 9(1). 60–93.
- Kibrik, Aleksandr E. 1997. Beyond subject and object: towards a comprehensive relational typology. *Linguistic Typology* 1. 279–346.
- Kibrik, Andrej A. 2011. *Reference in discourse*. Oxford: Oxford University Press.

- Kießling, Roland. 1994. *Eine Grammatik des Burunge*, vol. 13 Afrikanistische Forschungen. Hamburg: Research and Progress Verlag.
- Kiparsky, Paul et al. 2008. Universals constrain change; change results in typological generalizations. *Linguistic universals and language change* 23–53.
- Klamer, Marian. 2010. *A grammar of Teiwa*. Berlin: De Gruyter Mouton.
- Klamer, Marian & František Kratochvíl. 2018. The evolution of differential object marking in Alor-Pantar languages. In Alena Witzlack-Makarevich & Ilja A. Seržant (eds.), *Diachrony of differential argument marking*, 69–95. Berlin: Language Science Press.
- Klavan, Jane, Maarja-Liisa Pilvik & Kristel Uibo. 2015. The Use of Multivariate Statistical Classification Models for Predicting Constructional Choice in Spoken, Non-Standard Varieties of Estonian. *SKY Journal of Linguistics* 28. 187–224.
- Laidig, Wyn D. & Carol J. Laidig. 1990. Larike Pronouns: Duals and Trials in a Central Moluccan Language. *Oceanic Linguistics* 29(2). 87–109.
- Lambrecht, Knud. 1994. *Information Structure and Sentence Form*. Cambridge: Cambridge University Press.
- Lambrecht, Knud & Maria Polinsky. 1997. Typological variation in sentence-focus constructions. *Papers from the Thirty-Third Regional Meeting of the Chicago Linguistic Society: Panels on Linguistic Ideologies in Contact*. 141–165.
- Lehmann, Christian. 1982. Universal and typological aspects of agreement. In Hansjakob Seiler & Franz J. Stachowiak (eds.), *Apprehension: Das sprachliche Erfassen von Gegenständen, Teil II: Die Techniken und ihr Zusammenhang in Einzelsprachen*, 201–267. Tübingen: Narr.
- Levin, Aryeh. 1987. The Particle *la* as an Object Marker in some Arabic Dialects of the Galilee. *Zeitschrift für arabische Linguistik* 17. 31–40.
- Levshina, Natalia. 2015. *How to do linguistics with R*. Amsterdam: John Benjamins.
- Levshina, Natalia. 2021. Corpus-based typology: applications, challenges and some solutions. *Linguistic Typology* 25. 1–32.
- Li, Charles N. & Sandra A. Thompson. 1976. Subject and topic: a new typology of language. In Charles N. Li (ed.), *Subject and topic*, 466–489. New York: Academic Press.

- Lyons, Christopher. 1999. *Definiteness*. Cambridge: Cambridge University Press.
- Macaulay, Monica. 1996. *A Grammar of Chalcatongo Mixtec*. Berkeley: University of California Press.
- Malchukov, Andrej & Akio Ogawa. 2011. Towards a typology of impersonal constructions: A semantic map approach. In Andrej Malchukov & Anna Siewierska (eds.), *Impersonal constructions: A cross-linguistic perspective*, 19–56. Amsterdam: John Benjamins.
- Marten, Lutz & Nancy C. Kula. 2012. Object marking and morphosyntactic variation in Bantu. *Southern African Linguistics and Applied Language Studies* 30(2). 237–253.
- Matić, Dejan & Daniel Wedgwood. 2013. The meanings of focus: The significance of an interpretation-based category in cross-linguistic analysis. *Journal of Linguistics* 49(1). 127–163.
- McConvell, Patrick. 1996. The functions of split-wackernagel clitic systems: pronominal clitics in the Ngumpin languages. In Aaron L. Halpern & Arnold M. Zwicky (eds.), *Approaching Second: second position clitics and related phenomena*, 299–332. Stanford, CA: CSLI Publications.
- Mendis, Binyam Sisay. 2010. *Aspects of Koorete verb morphology*. Cologne: Rüdiger Köppe.
- Mereu, Lunella. 1999. Agreement, Pronominalization and Word Order in Pragmatically-Oriented Languages. In *Boundaries of Morphology and Syntax*, 231. Amsterdam: John Benjamins.
- Miller, Philip & Paola Monachesi. 2003. Les pronoms clitiques dans les langues romanes. In D. Godard (ed.), *Langues romanes, problèmes de la phrase simple*, 67–123. Editions du CNRS.
- Mithun, Marianne. 1992. Is Basic Word Order Universal? In Doris L. Payne (ed.), *Pragmatics of Word Order Flexibility*, 15–61. Amsterdam: Benjamins.
- Morimoto, Yukiko. 2000. *Discourse configurationality in Bantu morphosyntax*: Stanford University PhD dissertation.
- Morimoto, Yukiko. 2002. Prominence Mismatches and Differential Object Marking in Bantu. In Miriam Butt & Tracy Holloway King (eds.), *The Proceedings of the LFG '02 Conference*, Stanford, CA: CSLI Publications.

- Morimoto, Yukiko. 2006. Agreement properties and word order in comparative Bantu. *ZAS Papers in Linguistics* 43. 161–187.
- Mushin, Ilana. 2006. Motivations for second position: evidence from North-Central Australia. *Linguistic Typology* 10(3). 287–326.
- Mushin, Ilana & Jane Simpson. 2008. Free to Bound to Free? Interactions between Pragmatics and Syntax in the Development of Australian Pronominal Systems. *Language* 84(3). 566–596.
- Muxí, Isabel. 1996. Optional participial agreement with direct object clitics in Catalan. *Catalan working papers in linguistics* 5(1). 127–145.
- Nabirye, Minah. 2016. *A corpus-based grammar of Lusoga*: Ghent University PhD dissertation.
- Næss, Åshild. 2007. *Prototypical Transitivity*. Amsterdam: John Benjamins.
- Namyalo, Saudah, Alena Witzlack-Makarevich, Anatole Kiriggwajjo, Amos Atuhairwe, Zarina Molochieva, Ruth Mukama & Margaret Zellers. 2021. *A Ruruuli-Lunyala-English dictionary and grammar sketch*. Berlin: Language Science Press.
- Ndayiragije, Juvénal. 1999. Checking Economy. *Linguistic Inquiry* 30(3). 399–444.
- Neukom, Lukas. 2001. *Santali*. Munich: Lincom Europa.
- Ngoboka, Jean Paul & Jochen Zeller. 2017. The conjoint/disjoint alternation in Kinyarwanda. In Jenneke Wal & Larry M. Hyman (eds.), *The Conjoint/Disjoint Alternation in Bantu*, 350–389. Berlin: De Gruyter Mouton.
- Ngonyani, Deo & Peter Githinji. 2006. The asymmetric nature of Bantu applicative constructions. *Lingua* 116(1). 31–63.
- Nikolaeva, Irina. 1999. *Ostyak*. Munich: Lincom Europa.
- Okrand, Marc. 1977. *Mutsun Grammar*. Berkeley: University of California at Berkeley PhD dissertation.
- Osada, Toshiki. 2008. Mundari. In Gregory D. S. Anderson & Norman H. Zide (eds.), *The Munda languages*, 99–164. Routledge London & New York.
- Ouali, Hamid. 2011. *Agreement, pronominal clitics and negation in Tamazight Berber: A unified analysis*. London: A&C Black.
- Ouhalla, Jamal. 1993. Subject-extraction, negation and the anti-agreement effect. *Natural Language and Linguistic Theory* 11(3). 477–518.

- Ozerov, Pavel. 2018. Tracing the sources of Information Structure: Towards the study of interactional management of information. *Journal of Pragmatics* 138. 77–97.
- Ozerov, Pavel. 2021. Multifactorial Information Management (MIM): summing up the emerging alternative to Information Structure. *Linguistics Vanguard* 7(1). 1–17.
- Patnaik, Manideepa. 2008. Juang. In Gregory D. S. Anderson & Norman H. Zide (eds.), *The Munda languages* Routledge language family series, 508–556. London: Routledge.
- Peterson, John. 2011. *A grammar of Kharia*. Leiden: Brill.
- Petzell, M. 2008. *The Kagulu Language of Tanzania: Grammar, Texts and Vocabulary*. Cologne: Rüdiger Köppe.
- Pinnow, Heinz-Jürgen. 1966. A comparative study of the verb in the Munda languages. *Studies in comparative Austroasiatic linguistics* 5. 96–193.
- Preminger, Omer. 2009. Breaking agreements: Distinguishing agreement and clitic doubling by their failures. *Linguistic Inquiry* 40(4). 619–666.
- Press, Margaret L. 1979. *Chemehuevi: A Grammar and Lexicon*. Berkeley: University of California Press.
- Priestley, Carol. 2008. *A grammar of Koromu (Kesawai), a Trans New Guinea language of Papua New Guinea*. Canberra: Australian National University PhD dissertation.
- R Core Team. 2020. *R: A Language and Environment for Statistical Computing*. R Foundation for Statistical Computing Vienna, Austria. <https://www.R-project.org/>.
- Rajan, Jamuna & Herold Rajan. 2001. *Grammar write-up of Gutob-Gadaba*. Lamptaput: Asha Kiran Society.
- Ranero, Rodrigo. 2019. Deriving an object dislocation asymmetry in Luganda. In Emily Clem, Peter Jenks & Hannah Sande (eds.), *Theory and description in African Linguistics: Selected papers from the 47th Annual Conference on African Linguistic*, 595–622. Berlin: Language Science Press.
- Reh, Mechthild. 1996. *Anywa Language: Description and Internal Reconstructions*. Cologne: Rüdiger Köppe.
- Rezaee, Abbas Ali & Seyyed Ehsan Golparvar. 2017. Conditional inference tree modelling of competing motivators of the positioning of concessive clauses:



- The case of a non-native corpus. *Journal of Quantitative Linguistics* 24. 89–106.
- Riedel, Kristina. 2009. *The syntax of object marking in Sambiaa: A comparative Bantu perspective*: Universiteit Leiden PhD dissertation.
- Saeed, John I. 1984. *The syntax of focus and topic in Somali* Kuschitische Sprachstudien. Hamburg: Helmut Buske.
- Schikowski, Robert. 2013. *Object-conditioned differential marking in Chintang and Nepali*: University of Zürich PhD dissertation.
- Schneider-Blum, Gertrud. 2007. *A grammar of Alaaba, a Highland East Cushitic language of Ethiopia*. Cologne: Rüdiger Köppe.
- Schnell, Stefan. 2018. Whence subject-verb agreement? Investigating the role of topicality, accessibility, and frequency in Vera'a texts. *Linguistics* 56(4). 735–780.
- Schnell, Stefan, Geoffrey Haig, Nils N. Schiborr & Maria Vollmer. 2020. Introducing new referents: A corpus-based cross-linguistic perspective. *Paper presented at the 53rd Annual Meeting of the Societas Linguistica Europaea, Bucharest*.
- Schultze-Berndt, Eva. 2018. Universal vs. language-specific influences on agent prominence and differential agent marking: a view from Down Under. Paper presented at Second International Conference “Prominence in Language”, Cologne.
- Sedighi, Anousha. 2010. *Agreement restrictions in Persian*. Leiden: Leiden University Press.
- Seidl, Amanda & Alexis Dimitriadis. 1997. The discourse function of object marking in Swahili. *CLS* 33. 373–389.
- Sidwell, Paul. 2015. *The Palaungic languages: Classification, reconstruction and comparative lexicon*. Lincom.
- Siewierska, Anna. 1997. The formal realization of case and agreement marking: a functional perspective. In Anne-Marie Simon-Vandenberg, Kristin Davidse & Dirk Noël (eds.), *Reconnecting Language: Morphology and Syntax in Functional Perspectives*, 181–212. Amsterdam: John Benjamins.
- Siewierska, Anna. 1999. From anaphoric pronoun to grammatical agreement marker: why objects don't make it. *Folia linguistica* 33(1-2). 225–251.
- Siewierska, Anna. 2004. *Person*. Cambridge: Cambridge University Press.

- 
- Siewierska, Anna. 2013. Alignment of Verbal Person Marking. In Matthew S. Dryer & Martin Haspelmath (eds.), *The World Atlas of Language Structures Online*, Leipzig: Max Planck Institute for Evolutionary Anthropology. <https://wals.info/chapter/100>.
- Siewierska, Anna & Dik Bakker. 2008. Case and alternative strategies. In Andrej L. Malchukov & Andrew Spencer (eds.), *The Oxford handbook of case*, 290–303. Oxford: Oxford University Press.
- Sikuku, Justine M., Michael Diercks & Michael R. Marlo. 2018. Pragmatic effects of clitic doubling: Two kinds of object markers in Lubukusu. *Linguistic Variation* 18(2). 359–429.
- Skopeteas, Stavros & Gisbert Fanselow. 2010. Focus types and argument asymmetries: a cross-linguistic study in language production. In Carsten Breul & Edward Göbbel (eds.), *Comparative and contrastive studies of information structure*, 169–197. Amsterdam: John Benjamins.
- Smith, Ian & Steve Johnson. 1985. The syntax of clitic cross-referencing pronouns in Kugu Nganhcara. *Anthropological linguistics* 27. 102–111.
- Souag, Lameen. 2014. The development of dative agreement in Berber: Beyond nominal hierarchies. *Transactions of the Philological Society* 113(2). 232–248.
- Souag, Lameen. 2017. Clitic doubling and language contact in Arabic. *Zeitschrift für Arabische Linguistik* 66. 45–70.
- Spagnol, Michael. 2011. *A tale of two morphologies: Verb structure and argument alternations in Maltese*: University of Konstanz PhD dissertation.
- Stolz, Thomas. 2011. Maltese. In Bernd Kortmann & Johan van der Auwera (eds.), *The Languages and Linguistics of Europe: A Comprehensive Guide*, 241–256. Berlin: De Gruyter Mouton.
- Ström, Eva-Marie. 2013. *The Ndengeleko language of Tanzania*: Göteborgs Universitet PhD dissertation.
- Sutcliffe, Edmund Felix. 1936. *A grammar of the Maltese language: With chrestomathy and vocabulary*. Oxford University Press.
- Swain, Rajashree. 1997. *A Grammar of Bonda Language*: Poona: Deccan College PhD dissertation.
- Tagliamonte, Sali A & R Harald Baayen. 2012. Models, forests, and trees of York English: Was/were variation as a case study for statistical practice.

- Language variation and change* 24(2). 135–178.
- Taylor, Charles. 1985. *Nkore-Kiga*. London: Croom Helm.
- Tognini-Bonelli, Elena. 2001. *Corpus linguistics at work*. Amsterdam: John Benjamins.
- Tomić, Olga Mišeska. 2008. Towards grammaticalization of clitic doubling: Clitic doubling in Macedonian and neighbouring languages. In Dalina Kallulli & Liliane Tasmowski (eds.), *Clitic doubling in the Balkan languages*, 65–88. Amsterdam: John Benjamins.
- Tosco, Mauro. 2002. A whole lotta focusin' goin' on information packaging in Somali texts. *Studies in African Linguistics* 31(1 & 2). 28–53.
- Uganda Bureau of Statistics. 2016. *The national population and housing census 2014 – main report*. Kampala: Bureau of Statistics.
- Van Valin, Robert D. Jr. 2005. *Exploring the Syntax-Semantics Interface*. Cambridge: Cambridge University Press.
- Van de Velde, Mark. 2019. Nominal morphology and syntax. In Mark Van de Velde, Koen Bostoen, Derek Nurse & Gérard Philippson (eds.), *The Bantu languages*, 237–269. London and New York: Routledge.
- Vella, Alexandra. 2009. On Maltese prosody. In Bernard Comrie, Ray Fabri, Elizabeth Hume, Manwel Mifsud, Thomas Stolz & Martine Vanhove (eds.), *Introducing Maltese Linguistics*, 47–68. Amsterdam: John Benjamins.
- Virtanen, Susanna. 2014. Pragmatic direct object marking in Eastern Mansi. *Linguistics* 52(2). 391–413.
- Virtanen, Susanna. 2015. *Transitivity in Eastern Mansi: An information structural approach*: University of Helsinki PhD dissertation.
- von Heusinger, Klaus & Petra B. Schumacher. 2019. Discourse prominence: Definition and application. *Journal of Pragmatics* 154. 117–127. <https://www.sciencedirect.com/science/article/pii/S0378216619305776>.
- Voß, Judith. 2015. Person markers in Gutob. *Journal of South Asian Languages and Linguistics* 2(2). 215–240.
- Voß, Judith. 2018. Documentation and Grammar of Gutob (Munda). Endangered Languages Archive. <http://hdl.handle.net/2196/00-0000-0000-000F-CB59-B>.
- van der Wal, Jenneke. 2009. *Word order and information structure in Makhuwa-Enahara*: University of Leiden PhD dissertation.

- Wistrand Robinson, Lila & James Armagost. 1990. *Comanche dictionary and grammar*. Arlington: Summer Institute of Linguistics and The University of Texas at Arlington.
- Witzlack-Makarevich, Alena. 2011. *Typological variations in grammatical relations*: University of Leipzig PhD dissertation.
- Witzlack-Makarevich, Alena. 2019. Argument selectors: a new perspective on grammatical relations: an introduction. In Alena Witzlack-Makarevich & Balthasar Bickel (eds.), *Argument selectors: a new perspective on grammatical relations*, 1–38. Amsterdam: John Benjamins.
- Witzlack-Makarevich, Alena, Saudah Namyalo, Anatol Kiriggwajjo, Zarina Molochieva & Amos Atuhairwe. 2019. *A corpus of spoken Ruuli*. Kampala and Jerusalem: Makerere University and Hebrew University of Jerusalem.
- Witzlack-Makarevich, Alena & Ilja A. Seržant. 2018. Differential argument marking: Patterns of variation. In Ilja A. Seržant & Alena Witzlack-Makarevich (eds.), *Diachronie of Differential Argument Marking*, 1–40. Language Science Press.
- Witzlack-Makarevich, Alena, Taras Zakharko, Lennart Bierkandt, Fernando Zúñiga & Balthasar Bickel. 2016. Decomposing hierarchical alignment: co-arguments as conditions on alignment. *Linguistics* 54(3) 531–561.
- Zeller, Jochen. 2008. The subject marker in Bantu as an antifocus marker. *Stellenbosch Papers in Linguistics* 38(0). 221–254.
- Zeller, Jochen. 2015. Argument prominence and agreement: explaining an unexpected object asymmetry in Zulu. *Lingua* 156. 17–39.
- Zellers, Margaret, Saudah Namyalo & Alena Witzlack-Makarevich. 2020. Investigating relationships between intonational and syntactic phrasing in Ruruuli/Lunyala. *ISCA* 394–398.
- Zerbian, Sabine. 2006. *Expression of information structure in the Bantu language Northern Sotho*: Humboldt-Universität zu Berlin PhD dissertation.
- Zide, Norman H. 1997. Gutob pronominal clitics and related phenomena elsewhere in Gutob-Remo-Gta. *Languages of tribal and indigenous peoples of India: The ethnic space* 307–334.
- Zwicky, Arnold M & Geoffrey K Pullum. 1983. Phonology in syntax: The Somali optional agreement rule. *Natural Language & Linguistic Theory* 1(3). 385–402.