Studies in quantitative linguistics

Editors
Fengxiang Fan  (fanfengxiang@yahoo.com)
Emmerich Kelih  (emmerich.kelih@uni-graz.at)
Reinhard Köhler  (koehler@uni-trier.de)
Ján Mačutek  (jmacutek@yahoo.com)
Eric S. Wheeler  (wheeler@ericwheeler.ca)


ISBN: 978-3-942303-24-8
© Copyright 2014 by RAM-Verlag, D-58515 Lüdenscheid
RAM-Verlag
Stüttinghauser Ringstr. 44, D-58515 Lüdenscheid
RAM-Verlag@t-online.de
http://ram-verlag.de
A letter to Luděk Hřebíček from the editors

Dear Luděk Hřebíček,

The years have quickly passed since the time when we were happy to dedicate to you a volume "Text as a Linguistic Paradigm: Levels, Constituents, Constructs" (Quantitative Linguistics, Vol. 60, Wissenschaftlicher Verlag Trier) to celebrate your 65th birthday. Now, fifteen years later, we have another great opportunity to congratulate you most sincerely: Please accept the content of the present book as a kind of scientific metaphor and paraphrase of "Happy birthday to you..." composed by 25 scientists from 10 countries on the occasion of your unbelievable 80th birthday. This festschrift is meant to be an expression of a deep respect for you as a prominent Czech orientalist, a theoretician of language and text structure, an author of numerous books, studies, and articles published in English, German and Czech in publishing houses across Europe, and last but not least, for you as an excellent essayist who knows perfectly how to persuade your readers that to build a theory of text is an everlasting and fascinating adventure.

The editors

A Postscript

All of us, who are Hřebíček’s readers, colleagues, students and successors, know well that perhaps the most characteristic and, probably, the most impressive feature of Hřebíček’s scientific work – from the very beginning of his career – is a unique and original methodological line of thinking and reasoning. For several decades, he has been construing his quantitative text theory as an interdisciplinary field, and as a testable theory, very near to those done/performed/implemented in mathematics and the natural sciences. He formulates models, hypotheses, and conjectures, using various mathematical procedures to test them. He hates chaos (with the only exception of deterministic chaos). He loves order, rules, laws, and synergy. He views and interprets linguistics as a science of language. He is one of the well-known representatives of such exact thinking in the European scientific context, as well as a singular voice in the context of present-day Czech linguistics. (Of course, not a singular voice in the sense of an isolated promoter of certain linguistic ideas, but in the sense of a perfectly “sharpened” thinker – a linguist and philosopher of language.)

The festschrift mentioned above contains Hřebíček’s selected bibliography of monographs, textbooks, articles, book reviews and popular articles (not to speak about his translated novels and works for the stage, mainly from Turkish). Still, comparing the rich bibliography published there with what he has written since 2000, it is clear that the period of the last fifteen years has been most productive and most fruitful. In addition to articles and papers published both in the Czech Republic (e. g., in the journals Slovo a slovesnost or in Vesmír), and
abroad (in various volumes, mostly in English), three books have appeared: *Variation in Sequences* (2000, Prague: Oriental Institute); *Vyprávění o lingvitických experimentech s textem* (2001, Prague: Academia); *Text in Semantics* (2007, Prague: Oriental Institute). In addition, Hřebíček is a co-author of a voluminous collective book written together with G. Wimmer, G. Altmann, S. Ondrejovič, and S. Wimmerová *Úvod do analýzy textov* (2003, Bratislava: Veda). The books represent a further decisive step in the development of modern text linguistics. Hřebíček’s ideas are acknowledged, accepted, approved and further developed, especially by the younger generation. The present festschrift is good evidence of it. It is not “only” a birthday present, but a manifestation of the undeniable fact that Hřebíček’s ideas represent a big challenge to follow.
## Contents

**Gabriel Altmann**  
The study of hrebs  

1

**Sergey Andreev**  
Representations of Tutchev’s style: one poet or two?  

14

**Jan Andres**  
The Moran-Hutchinson formula in terms of Menzerath-Altmann’s law and Zipf-Mandelbrot’s law  

29

**Radek Čech, Ludmila Uhlířová**  
Adverbials in Czech: Models for their frequency distribution  

45

**Fan Fengxiang, Zhou Pianpian, Su Hong**  
The use of the POR in macro-lexical analyses  

60

**Wei Huang, Haitao Liu**  
The phoneme-grapheme relation in the scheme of the Chinese Phonetic Alphabet  

69

**Emmerich Kelih, Andrij Rovenchak, Solomija Buk**  
Analysing h-point in lemmatised and non-lemmatised texts  

81

**Reinhard Köhler**  
The fractal structure of linguistic motifs  

94

**Miroslav Kubát**  
Moving window type-token ratio and text length  

105

**Lu Wang**  
Part-of-speech Concentration in Chinese  

114

**Ján Mačutek, Gejza Wimmer**  
A measure of lexical text compactness  

132

**Jiří Mácha, Olga Richterová**  
The Quantum of Plurality. The relationship of singular and plural (and singularia and pluralia tantum) in Czech nouns  

140
Tomi S. Melka
Palindrome-like structures in the *rongorongo* script 153

Georgios Mikros, Jiří Milička
Distribution of the Menzerath’s law on the syllable level in Greek texts 181

Haruko Sanada
The choice of postpositions of the subject and the ellipsis of the subject in Japanese 190

Kamil Stachowski
The volume of Ottoman lexical influence on Romanian 207

Addresses of authors 229