Mapping the Language of Spices
A corpus-based, philological study on the words of the spice domain
Gábor Parti
Doctor of Philosophy
The Hong Kong Polytechnic University
I C II
—Initial Submission for Examination Purpose—
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⊯ 2022

The Hong Kong Polytechnic University Department of Chinese and Bilingual Studies

Mapping the Language of Spices

A CORPUS-BASED, PHILOLOGICAL STUDY ON THE WORDS OF THE SPICE DOMAIN

by

GÁBOR PARTI



A thesis submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy

—Initial Submission for Examination Purpose—

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Gábor Parti

(Name of Student)

Dedication

This dissertation is dedicated to \dots (optional)

Abstract

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

Acknowledgments

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Contents

Abstract	vii
acknowledgments	ix
Contents	xi
ist of Figures x	iii
ist of Tables	XV
Glossary	vii
acronyms	ix
ymbols and Notation x	xi
Introduction	1
1.1 Typesetting	1
1.1.1 Typesetting	1
1.2 Scripts	2
1.3 Acronyms, Glossary Terms, and Indexing	3
1.4 Citations	3
1.5 Lists and Environments	3
1.6 Figures	4
1.7 Trees	6
1.8 Tables	7
1.9 IPA	7
appendix	9
Sibliography	11
ndex	13

List of Figures

1.1	Short caption to ToC	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	5
1.2	Saffron-gatherers																														5

List of Tables

1.1	Different font styles and typefaces.	•	•	 •	•	•		•	•	•	 •	•	•	•	•	•	•	•	2
1.2	An elaborate table						 												-

Glossary

taxon $\,$ taxonomic group or unit, especially when hierarchic rank is not specified $_3$

 $^{^{\}mbox{\tiny 1}}\mbox{A}$ back-formation from taxonomy.

Acronyms

OED Oxford English Dictionary 3

Symbols and Notation

reconstructed formdeveloped fromdeveloped into

<? uncertain development

† obsolete

a. ante, attested before the yearca. circa, around the year/century

fragrance italic: lexical item, a word or phrase [fragrance] square brackets: gloss, literal meaning single quotation marks: meaning, sense

FRAGRANCE small capitals: a concept

Introduction

This is a template made for PhD dissertations at The Hong Kong Polytechnic University, and follows the university's requirements stipulated in the Research Postgraduate Student Handbook (https://www.polyu.edu.hk/gs/rpghandbook/ref-regulations-format-thesis). The original of this MEX template was created by Tom M. Ragonneau, at the Department of Applied Mathematics (you can access it here https://github.com/ragonneau/phd-thesis-template), and subsequently modified by Gábor Parti, Department of Chinese and Bilingual Studies. This version is tailored for linguistics-oriented theses, and supports multi-scripted documents. It is optimized for LuaMEX.

A thesis submitted for examination purpose should include the words 'Initial Submission for Examination Purpose' lettered on the front cover.

1.1 Typesetting

1.1.1 Typesetting

Typesetting

Nearly full list of features and tools are tested here, from typesetting to citations. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

Normal, italic, bold, bold-italic, UPPERCASE, SMALL-CAPITALS¹, superscript, highlight.

1234567890 1st 2nd 3rd 4th 19th BC AD . , : ; ? ! "" \$ & % # () [] {} \/ <> || ----+ = *

Ligatures — Common: ff, fi, and ffi; Rare: st, ct, is.

_______ this is baseline

______ this is half raised

______ this is raised

______ this is raised above

A 'subsubsection' will not appear in the ToC...

¹If you don't see *small capitals*, your font does not have them.

Normal Sphinx of black quartz, judge my missing vow forever.

Italic Sphinx of black quartz, judge my missing vow forever.

Bold Sphinx of black quartz, judge my missing vow forever.

Bold-Italic Sphinx of black quartz, judge my missing vow forever.

Uppercase SPHINX OF BLACK QUARTZ, JUDGE MY MISSING VOW FOREVER.

Small caps Sphinx of black quartz, judge my missing vow forever.

Superscript Sphinx of black quartz, judge my missing vow forever.

Sans serif Sphinx of black quartz, judge my missing vow forever.

Mono Sphinx of black quartz, judge my missing vow forever.

Table 1.1 Different font styles and typefaces.

1.2 Scripts

Various scripts and languages:

Akkadian: ➤ ♣ ★ ★ ★ ★ # #

Amharic: አማርኛ Arabic: العربية

Aramaic: ܐܝܪܝܣ ܟܝܫܠ

Armenian: Արևելահայերեն Chinese, Traditional: 廣東話 漢語

Chinese, Simplified: ② 汉语

Coptic: ИєтРєйнхниї

Georgian: ქართული ენა

Greek: Ελληνικά Hebrew: עברית

Japanese: 日本語 にほんご ニホンゴ

Javanese: 때때때때 Korean: 한국어 Linear B: Φ컜#₩

Macedonian: Македонски

Malayalam: മലയാളം

Old South Arabian: ነኝ) ከየ የ አዛወ ላ

Persian: فارسى Sanskrit: संस्कृतम् Tamil: தமிழ் Thai: ภาษาไทย Tibetan: བོད་སྐད་

اردو :Urdu

Vietnamese: tiếng việt

Bidirectional Scripts

Arabic and Hebrew in English paragraphs, in mixed environments:

differentiation? ما هو

What is ما هو in Arabic? Most Arabic speakers consider the two varieties to be two registers of one

language, although the two registers can be referred to in Arabic as فصحى العصر $fush\bar{a}$ l-'asr Modern Standard Arabic (MSA) and فصحى التراث $fush\bar{a}$ t-turāth Classical Arabic (CA). 'Arabī.

The first line of the Bible is בָּרָא אֱלֹהִים אֱת הַשְּׁמִיִם וְאֱת הָאָרֵץ (Genesis 1:1).

1.3 Acronyms, Glossary Terms, and Indexing

The MEX typesetting markup language is specially suitable for documents that are annoying to make.

Glossaries and acronyms both have to be set in the glossary.tex with similar methods, and then called in the text. When an acronym appears for the first time, its full form is also shown. Such as, *Oxford English Dictionary* (OED) but the second time OED. For plural and capital glossaries use taxon and taxa; Taxon and Taxa.

Index one is here and two is here. There is also index for tables, figures, and footnotes. Also, there is grouped indexing possible for things like black pepper, white pepper, and green pepper.

1.4 Citations

Citation examples, such as (Laufer, 1919, p. 99), which now is the same as (Laufer, 1919, p. 99) and Laufer (1919), but footcite also exists. Multi-volume citing is also available, (Bearman et al., 1960–2005, vol. 9, p. 99) & Bearman et al. (1960–2005, vol. 9, p. 99).

1.5 Lists and Environments

- 1. one
- 2. two
- 3. three
- · one
- \cdot two
- · three

Note 1.5.1. This is a note.

²Laufer, 1919.

$$x^2 = 1$$
 (1.1)

This (above) is an equation. In Equation 1.1 we have $\sqrt{\log n}$.

(1) Ez egy nyelvészeti példamondat. Hungarian (Finno-Ugric, reference)
This a linguistic example-sentence
"This is a linguistic example sentence."

Etymology 1. English *pepper* < Middle English *pepper* < Old English *pipor* < West Germanic **piper* 'black pepper, long pepper' < Ancient Greek *péperi* 'pepper' < Pahlavi < Middle Indo-Aryan *pipparī* 'long pepper' < Sanskrit *pippalī* 'berry, peppercorn', *pippalī* 'long pepper'^a

This line has a reference for Etymology 1 and a 'clever reference' for Section 1.5. And below is a quote.

"By convention sweet and by convention bitter, by convention hot, by convention cold, by convention color; but in reality atoms and void."

—Democritus, 3rd century BC (DK 68B9, trans. Taylor 1999a)

1.6 Figures

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

^aThis is a custom, iterating environment that you can modify for whatever purpose.

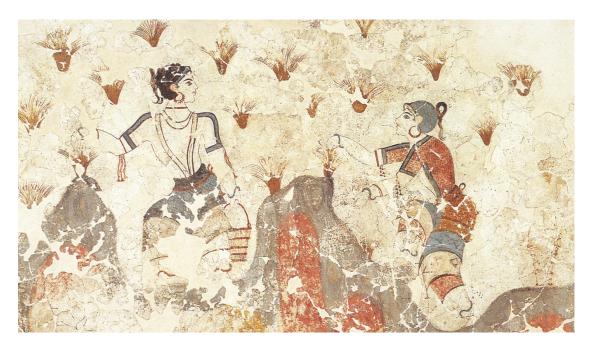


Figure 1.1 Long caption



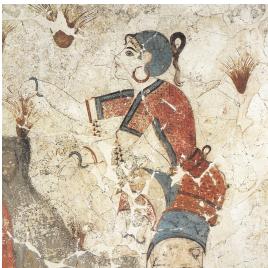
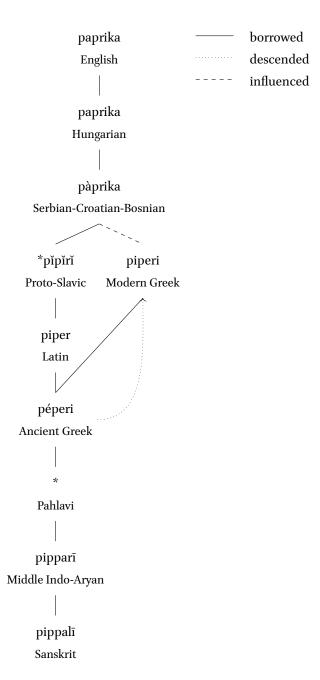


Figure 1.2 Saffron-gatherers; details from the mural on the east wall in room 3a, first floor, at Xeste 3 site, Akrotiri at Thera (Doumas, 1992, p. 152).

1.7 Trees



Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Etiam lobortis facilisis sem. Nullam nec mi et neque pharetra sollicitudin. Praesent imperdiet mi nec ante. Donec ullamcorper, felis non sodales commodo, lectus velit ultrices augue, a dignissim nibh lectus placerat pede. Vivamus nunc nunc, molestie ut, ultricies vel, semper in, velit. Ut porttitor. Praesent in sapien. Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Duis fringilla tristique neque. Sed interdum libero ut metus. Pellentesque placerat. Nam rutrum augue a leo. Morbi sed elit sit amet ante lobortis sollicitudin. Praesent blandit blandit mauris. Praesent lectus tellus, aliquet aliquam, luctus a, egestas a, turpis. Mauris lacinia lorem sit amet ipsum. Nunc quis urna dictum turpis accumsan semper.

1.8 Tables

| # | Species | English | Chinese | Translit. | Arabic Translit. |
|----|-----------------------------------|----------------|---------|------------------------------|-----------------------------------|
| 1 | Pimenta dioica | allspice | 多香果 | duōxiāngguŏ | <i>filfil ifranjī</i> فلفل إفرنجي |
| 2 | Pimpinella anisum | anise | 茴芹 | huíqín | " <i>yansūn</i> ينسون |
| 3 | Ferula assa-foetida et al. | asafoetida | 阿魏 | āwèi | ḥiltīt حلتيت |
| 4 | Carum carvi | caraway | 葛縷子 | gělůzi | كراويا karāwiyā |
| 5 | Elettaria cardamomum | cardamom | 荳蔻 | dòukòu | هال $har{a}l$ |
| 6 | Cinnamomum cassia | cassia | 肉桂 | ròuguì | salīkha سليخة |
| 7 | Capsicum annuum et al. | chile | 辣椒 | làjiāo | <i>fulful hārr</i> فلفل حار |
| 8 | Cinnamomum verum | cinnamon | 錫蘭肉桂 | xīlánròuguì | قرفة $qirfa$ |
| 9 | Syzygium aromaticum | clove | 丁香 | dīngxiāng | garanful قرنفل |
| 10 | Coriandrum sativum | coriander | 芫荽 | yánsui | kuzbara كزبرة |
| 11 | Cuminum cyminum | cumin | 孜然 | zīrán | kammūn كمون |
| 12 | Anethum graveolens | dill | 蒔蘿 | shíluó | shibitt شبت |
| 13 | Foeniculum vulgare | fennel | 茴香 | huíxiāng | shamar شمر |
| 14 | ${\it Trigonella foenum-graecum}$ | fenugreek | 胡蘆巴 | húlúbā | بلبة ḥulba |
| 15 | Zingiber officinale | ginger | 薑 | jiāng | زنجبيل zanjabīl |
| 16 | Piper longum | long pepper | 蓽撥 | $b \grave{\imath} b \bar{o}$ | دار فلفل مار فلفل $dar{a}r$ دار |
| 17 | Myristica fragrans | mace | 肉荳蔻皮 | ròudòukòupí | بسباسة $basbar{a}sa$ |
| 18 | Myristica fragrans | nutmeg | 肉荳蔻 | ròudòukòu | jawz al-ṭīb جوز الطيب |
| 19 | Piper nigrum | pepper | 胡椒 | hújiāo | filfil, fulful فلفل |
| 20 | Crocus sativus | saffron | 番紅花 | fānhónghuā | زعفران za farā n |
| 21 | Zanthoxylum spp. | Sichuan pepper | 花椒 | huājiāo | filfil sītshuwān فلفل سيتشوان |
| 22 | Illicium verum | star anise | 八角 | bājiǎo | ينسون نجمي yansūn najmī |
| 23 | Curcuma longa | turmeric | 薑黃 | jiānghuáng | kurkum کرکم |
| 24 | Vanilla planifolia | vanilla | 香草 | xiāngcǎo | فانیلیا fānīliyā |
| | | | | | |
| 25 | Physeter macrocephalus* | ambergris | 龍涎香 | lóngxiánxiāng | 'ambar عنبر |
| 26 | Cinnamomum camphora | camphor | 樟 | zhāng | <i>kāfūr</i> كافور |
| 27 | Moschus moschiferus* | musk | 麝香 | shèxiāng | misk مسك |
| 28 | Boswellia sacra | frankincense | 乳香 | rŭxiāng | <i>lubān</i> لبان |
| 29 | Commiphora myrrha | myrrh | 沒藥 | mòyào | <i>murr</i> مر |
| 30 | Santalum album | santalwood | 旃檀 | zhāntán | إلصندل ṣandal |

Table 1.2 The set of 24 spices included in this thesis, with scientific names of the source plant, names in English, Chinese, Arabic, and their transliterations.

1.9 IPA

 $[{\tt NISIZSGIMAIPEI}], [{\tt Itsxilijizitutaip}] \ as \ in: "This is some IPA, it's really easy to type."$

| Consonant | Onset | Coda |
|--|----------------------------|-------------------------------------|
| р | pun.za (claw) | k ^h ap.ra (old man) |
| b | bɔdʰ (bull) | ∫eb.ra (dull) |
| b^{h} | $\mathrm{b^{h}ed}$ (sheep) | |
| m | mε (me) | amb (mango) |
| f | ful (flower) | |
| υ | vid.jar.thi | rova (injury) |
| ţ | tu (you) | mot (don't) |
| | de∫ (many) | swad |
| $\begin{array}{l} \overset{\cdot}{\mathbf{q}}\\ \overset{\cdot}{\mathbf{q}}^{\mathbf{h}}\\ \overset{\cdot}{\mathbf{q}}^{\mathbf{h}} \end{array}$ | ghen.di (cold) | $\mathrm{hot_{}^{h}}$ (hand) |
| $\breve{\mathbf{d}}^{\mathbf{h}}$ | dhus.ki (down) | hgh (bull) |
| ts | tsɔl.ηa (to walk) | sots (think) |
| \underline{ts}^h | tshekke (fast) | |
| $\underline{\mathrm{d}}\mathbf{z}$ | dza.ηa (to go) | |
| n | nəi (no) | an.dre (inside) |
| ſ | me.ri (my) | $ m g^h$ or |
| S | sen.tri (orange colour) | hosηa (to laugh) |
| \mathbf{Z} | zed (root) | roz (everyday) |
| 1 | ləm.ma (long) | kal (yesterday) |
| \int | ∫ob.la (beautiful) | gaʃ (rain) |
| t | ted.da (curved) | nəţ.ţʰe (gone) |
| t^{h} | t ^h eητa (cold) | nəţ.ţʰe (gone) |
| d | | ned (near) |
| d^h | | $\operatorname{pod^h.na}$ (to read) |
| τ | рэги (fell) | meղ. լ ^h ək (frog) |
| η | de.na (to give) | kuη (who) |
| ļ | kela (banana) | |
| t∫ | t∫ək.kuḍa (rotten) | |
| t <u>∫</u>
d <u>3</u>
j | dgepur (Jaipur) | |
| j | jad (remember) | gaj (abuse) |
| k | ki.ŗa (snake) | b ^h uk (hunger) |
| g | ga (cow) | b^{h} εg.η a (to run) |
| $k^{\rm h}$ | $ m k^h$ ana (to eat) | paŋk ^h (wing) |
| g^{h} | g ^h or (house) | |

Appendix

Appendices (optional)

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Index

Page numbers are suffixed with a "t" to denote a table, "f" a figure, and "n" a footnote.

five, 3 n black, 3 green, 3 white, 3

one, 3

other one, 3

three, 3 t

pepper two, 3