

THESIS TITLE

THESIS SUBTITLE

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FIRSTNAME LASTNAME

*Doctor of Philosophy*

*The Hong Kong Polytechnic University*

—INITIAL SUBMISSION FOR EXAMINATION PURPOSE—

✍ 2023

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✠ Hong Kong

The Hong Kong Polytechnic University  
Department of Chinese and Bilingual Studies

THESIS TITLE



THESIS SUBTITLE

*by*

FIRSTNAME LASTNAME



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

—INITIAL SUBMISSION FOR EXAMINATION PURPOSE—

August, 2023



# Certificate of Originality

I hereby declare that this thesis is my own work and that, to the best of my knowledge and belief, it reproduces no material previously published or written, nor material that has been accepted for the award of any other degree or diploma, except where due acknowledgment has been made in the text.

\_\_\_\_\_  
(Signed)

\_\_\_\_\_  
*Firstname Lastname* (Name of Student)



# Dedication

Dedication (optional)





# Abstract

Abstract (consisting of a summary of the work done with 200-500 words)



# Publications

Publications arising from the thesis (optional; and should be presented in alphabetical order of the first author using the reference citation format for academic journal papers, book chapters, conference papers, research reports/working papers and books/research monographs, or in an internationally accepted format used by the discipline in which the study lies.)



# Acknowledgments



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# Glossary

taxon    taxonomic group or unit, especially when hierarchic rank is  
not specified<sup>1</sup> 3

---

<sup>1</sup>A back-formation from *taxonomy*.



# Acronyms

OED Oxford English Dictionary 3





# Symbols and Notation

|                  |   |
|------------------|---|
| *                | reconstructed form                      |
| <                | developed from                          |
| >                | developed into                          |
| <?               | uncertain development                   |
| †                | obsolete                                |
| a.               | <i>ante</i> , attested before the year  |
| ca.              | <i>circa</i> , around the year/century  |
| <i>fragrance</i> | italic: lexical item, a word or phrase  |
| [fragrance]      | square brackets: gloss, literal meaning |
| 'fragrance'      | 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  $\text{\LaTeX}$  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  $\text{\LaTeX}$ .

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

A nearly full list of features and tools are tested here, from typesetting to citations. Lorem ipsum dolor sit amet, consectetur 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, consectetur 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.

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

Normal, *italic*, **bold**, ***bold-italic***, UPPERCASE, SMALL-CAPITALS<sup>1</sup>, <sup>superscript</sup>, **highlight**.

1234567890 1<sup>st</sup> 2<sup>nd</sup> 3<sup>rd</sup> 4<sup>th</sup> 19<sup>th</sup> 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

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

|             |   |
|-------------|---|
| Normal      | Sphinx of black quartz, judge my missing vow forever.               |
| Italic      | <i>Sphinx of black quartz, judge my missing vow forever.</i>        |
| Bold        | <b>Sphinx of black quartz, judge my missing vow forever.</b>        |
| Bold-Italic | <b><i>Sphinx of black quartz, judge my missing vow forever.</i></b> |
| Uppercase   | SPHINX OF BLACK QUARTZ, JUDGE MY MISSING VOW FOREVER.               |
| Small caps  | SPHINX OF BLACK QUARTZ, JUDGE MY MISSING VOW FOREVER.               |
| Superscript | <sup>Sphinx of black quartz, judge my missing vow forever.</sup>    |
| 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: 𒂗𒍪 𒂗𒍪 𒂗𒍪 𒂗𒍪

Amharic: አማርኛ

Arabic: العربية

Aramaic: ܐܪܡܝܐ

Armenian: Արևելահայերեն

Chinese, Traditional: 廣東話 漢語

Chinese, Simplified: 汉语

Coptic: ⲙⲉⲧⲣⲉⲛⲛⲕⲙⲓ

Georgian: ქართული ენა

Greek: Ελληνικά

Hebrew: עברית

Japanese: 日本語 にほんご ニホンゴ

Javanese: ꦭꦩꦲꦒꦺꦴꦏꦺꦴꦩꦶ

Korean: 한국어

Linear B: 𐀀𐀁𐀂𐀃

Macedonian: Македонски

Malayalam: മലയാളം

Old South Arabian: 𐩣𐩢𐩨𐩣𐩢𐩨𐩣𐩢𐩨

Persian: فارسی

Sanskrit: संस्कृतम्

Tamil: தமிழ்

Thai: ภาษาไทย

Tibetan: བོད་སྐད་

Urdu: اردو

Vietnamese: tiếng việt

## Bidirectional Scripts

Arabic and Hebrew in English paragraphs, in mixed environments:

ما هو differentiation?

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* *fuṣḥā l-‘aṣr* Modern Standard Arabic (MSA) and *فصحى التراث* *fuṣḥā t-turāth* Classical Arabic (CA). ‘Arabī.

The first line of the Bible is בְּרֵאשִׁית בָּרָא אֱלֹהִים אֶת הַשָּׁמַיִם וְאֶת הָאָרֶץ (Genesis 1:1).

### 1.3 Acronyms, Glossary Terms, and Indexing

The  $\text{\LaTeX}$  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.<sup>2</sup> 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
  - two
  - three

**Note 1.5.1.** This is a note.

<sup>2</sup>Laufer, 1919.

$$x^2 = 1 \tag{1.1}$$

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 *peper* < Old English *pipor* < West Germanic *\*piper* < Latin *piper* ‘black pepper, long pepper’ < Ancient Greek *péperi* ‘pepper’ < Pahlavi < Middle Indo-Aryan *pippari* ‘long pepper’ < Sanskrit *pippalī* ‘berry, peppercorn’, *pippalī* ‘long pepper’<sup>a</sup>

<sup>a</sup>This is a custom, iterating environment that you can modify for whatever purpose.

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, 3<sup>rd</sup> century BC  
 (DK 68B9, trans. Taylor 1999a)

## 1.6 Figures

Lorem ipsum dolor sit amet, consectetur 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, consectetur 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.



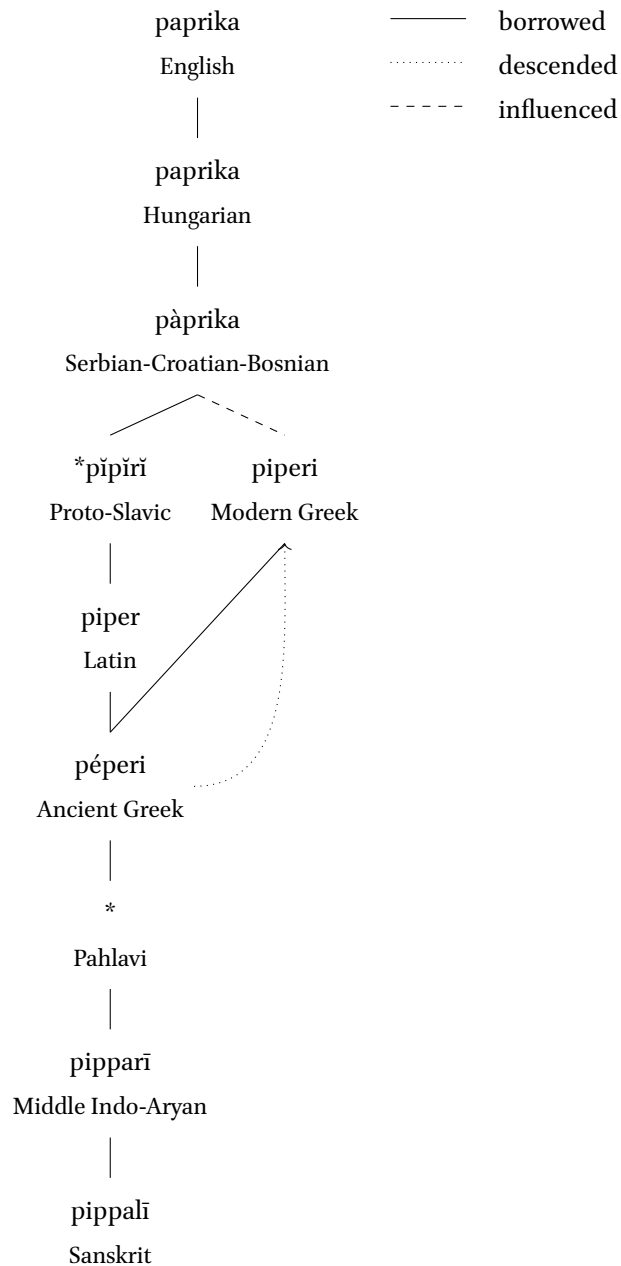


Figure 1.1 Long caption



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

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

[nɪsɪzˌsɑːmɑɪpɛɪ], [ɪts.ɪlɪdʒɪzɪtʊtɑɪp] as in: “This is some IPA, it’s really easy to type.”

| Consonant       | Onset                         | Coda                            |
|-----------------|-------------------------------|---------------------------------|
| p               | pun.za (claw)                 | k <sup>h</sup> ap.ra (old man)  |
| b               | bɔd <sup>h</sup> (bull)       | ʃeb.ra (dull)                   |
| b <sup>h</sup>  | b <sup>h</sup> ed (sheep)     |                                 |
| m               | mɛ (me)                       | amb (mango)                     |
| f               | ful (flower)                  |                                 |
| v               | vid.jaɾ.t <sup>h</sup> i      | rova (injury)                   |
| t̪              | t̪u (you)                     | mɔt̪ (don't)                    |
| d̪              | d̪ɛʃ (many)                   | swad̪                           |
| t̪ <sup>h</sup> | t̪ <sup>h</sup> en.d̪i (cold) | hɔt̪ <sup>h</sup> (hand)        |
| d̪ <sup>h</sup> | d̪ <sup>h</sup> us.ki (down)  | bɔd <sup>h</sup> (bull)         |
| ʈs              | ʈsɔl.ɳa (to walk)             | sɔʈs (think)                    |
| ʈs <sup>h</sup> | ʈs <sup>h</sup> ekke (fast)   |                                 |
| d̪z             | d̪za.ɳa (to go)               |                                 |
| n               | nəi (no)                      | an.d̪re (inside)                |
| r               | me.ri (my)                    | g <sup>h</sup> ɔr               |
| s               | sen.t̪ri (orange colour)      | hɔsɳa (to laugh)                |
| z               | zed (root)                    | roz (everyday)                  |
| l               | lɔm.ma (long)                 | kal (yesterday)                 |
| ʃ               | ʃob.la (beautiful)            | gaʃ (rain)                      |
| t̪              | t̪ed.d̪a (curved)             | nɔt̪.t̪ <sup>h</sup> e (gone)   |
| t̪ <sup>h</sup> | t̪ <sup>h</sup> enɳa (cold)   | nɔt̪.t̪ <sup>h</sup> e (gone)   |
| d̪              |                               | ned̪ (near)                     |
| d̪ <sup>h</sup> |                               | pɔd̪ <sup>h</sup> .na (to read) |
| ɾ               | pɔɾu (fell)                   | men.ɾ <sup>h</sup> ək (frog)    |
| ɳ               | d̪e.ɳa (to give)              | kun̪ (who)                      |
| l̪              | keɭa (banana)                 |                                 |
| t̪ʃ             | t̪ʃɔk.kud̪a (rotten)          |                                 |
| d̪ʒ             | d̪ʒepur (Jaipur)              |                                 |
| j               | jad̪ (remember)               | gaʒ (abuse)                     |
| k               | ki.ɾa (snake)                 | b <sup>h</sup> uk (hunger)      |
| g               | ga (cow)                      | b <sup>h</sup> ɛg.ɳa (to run)   |
| k <sup>h</sup>  | k <sup>h</sup> aɳa (to eat)   | paɳk <sup>h</sup> (wing)        |
| g <sup>h</sup>  | g <sup>h</sup> ɔr (house)     |                                 |

## Conclusion

Conclusions and Suggestions for Future Research (the latter being optional)



# 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   |
| four, 3 f    | green, 3   |
| one, 3       | white, 3   |
| other one, 3 | three, 3 t |
| pepper       | two, 3     |