Czech University of Life Sciences Prague

Faculty of Agrobiology, Food and Natural Resources

The department where you are working on your thesis



English title of the thesis

Bachelor’s Thesis

Author of the thesis

Study program (full name)

Supervisor of the thesis (full name and surname with titles!)

© year of elaboration CZU in Prague

**Declaration**

I hereby declare that I have authored this bachelor’s thesis carrying the name „Title of the thesis “independently under the guidance of my supervisor. Furthermore, I confirm that I have used only professional literature and other information sources that have been indicated in the thesis and listed in the bibliography at the end of the thesis. As the author of the bachelor’s thesis, I futher state that I have not infringed the copyrights of third parties in connection with its creation.

In Prague on date of submission \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Acknowledgments**

I would like to acknowledge name of the supervisor or of other people involved, and information about what you are acknowledging/thanking for.

English title of the thesis

**Summary:**

Summary of the Thesis (1 page of text)

**Keywords**:

**Content**

[1 Introduction 6](#_Toc66961139)

[2 Aims of the thesis 7](#_Toc66961140)

[3 Literature review 8](#_Toc66961141)

[3.1 Subchapter 1 8](#_Toc66961142)

[3.1.1 Subchapter 2 8](#_Toc66961143)

[4 Conclusion 9](#_Toc66961144)

[5 Bibliography 10](#_Toc66961145)

[6 List of abbreviations and symbols 11](#_Toc66961146)

[7 Appendices I](#_Toc66961147)

# Introduction

Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text

# Aims of the thesis

Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text

# Literature review

Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text

## Subchapter 1

Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text

### Subchapter 2

Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text

# Conclusion

* Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text
* Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text
* Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text

# Bibliography

Buer CS, Muday GK, Djordjevic MA. 2007. Flavonoids Are Differentially Taken Up and Transported Long Distances in Arabidopsis. Plant Physiology **145**:478–490. Available from http://www.plantphysiol.org/cgi/doi/10.1104/pp.107.101824.

Filippi A, Petrussa E, Braidot E. 2016. Flavonoid facilitated/passive transport: Characterization of quercetin microsomal uptake by a DPBA-dependent assay. Biochimica et Biophysica Acta (BBA) - Bioenergetics **1857**:e64. Elsevier. Available from https://www.sciencedirect.com/science/article/pii/S0005272816302614?via%3Dihub (accessed May 31, 2018).

Frangne N, Eggmann T, Koblischke C, Weissenbock G, Martinoia E, Klein M. 2002. Flavone Glucoside Uptake into Barley Mesophyll and Arabidopsis Cell Culture Vacuoles. Energization Occurs by H+-Antiport and ATP-Binding Cassette-Type Mechanisms. Plant Physiology **128**:726–733. Available from http://www.plantphysiol.org/cgi/doi/10.1104/pp.010590.

Jeandet P, Hébrard C, Deville M-A, Cordelier S, Dorey S, Aziz A, Crouzet J. 2014. Deciphering the Role of Phytoalexins in Plant-Microorganism Interactions and Human Health. Molecules **19**:18033–18056. Available from http://www.mdpi.com/1420-3049/19/11/18033.

Pawlak-Sprada S, Stobiecki M, Deckert J. 2011. Activation of phenylpropanoid pathway in legume plants exposed to heavy metals. Part ii. Profiling of isoflavonoids and their glycoconjugates induced in roots of lupine (Lupinus luteus) seedlings treated with cadmium and lead. Acta Biochimica Polonica **58**:217–223.

Villegas M, Sommarin M, Brodelius PE. 2000. Effects of sodium orthovanadate on benzophenanthridine alkaloid formation and distribution in cell suspension cultures of Eschscholtzia californica. Plant Physiology and Biochemistry **38**:233–241.

Ye Y, Ding Y, Jiang Q, Wang F, Sun J, Zhu C. 2017. The role of receptor-like protein kinases (RLKs) in abiotic stress response in plants. Plant Cell Reports **36**:235–242. Available from https://doi.org/10.1007/s00299-016-2084-x.

***Bibliography was generated using the freely available citation manager Mendeley - https://www.mendeley.com/download-desktop/***

# List of abbreviations and symbols

***This chapter is not mandatory***

Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text

Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text

Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text

# Appendices

***This chapter is not mandatory – appendices are always numbered separately!!!***

Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text Text