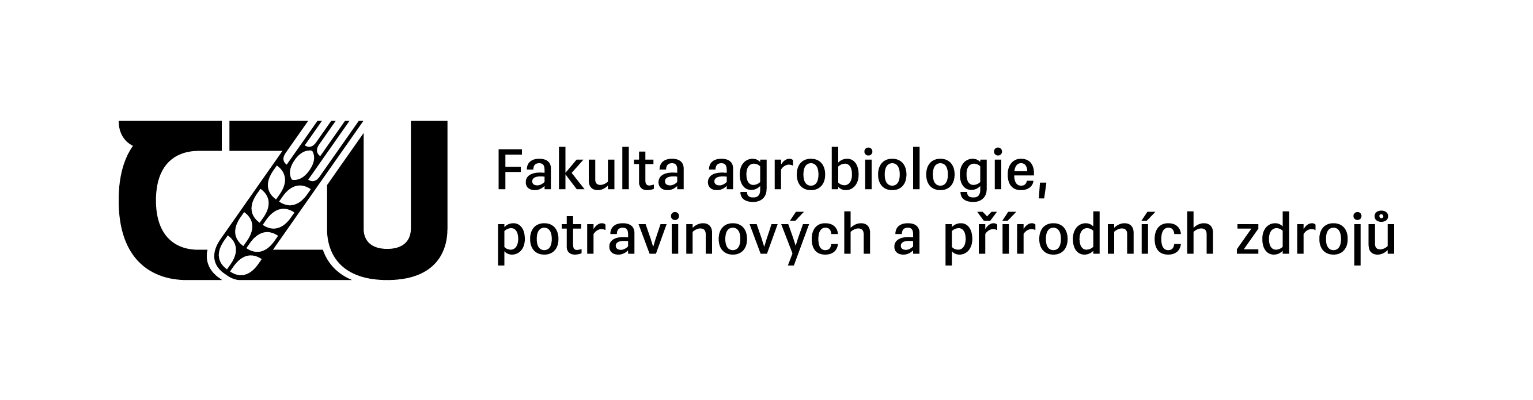
Česká zemědělská univerzita v Praze

Fakulta agrobiologie, potravinových a přírodních zdrojů

Katedra, kde práci zpracováváte



zde napište český název práce

Diplomová práce

Autor práce

Program nebo obor studia (celý název)

Vedoucí práce (celé jméno i příjmení s tituly!)

© rok vypracování ČZU v Praze

**Čestné prohlášení**

Prohlašuji, že svou diplomovou práci "Název práce" jsem vypracoval(a) samostatně pod vedením vedoucího diplomové práce a s použitím odborné literatury a dalších informačních zdrojů, které jsou citovány v práci a uvedeny v seznamu literatury na konci práce. Jako autor(ka) uvedené diplomové práce dále prohlašuji, že jsem v souvislosti s jejím vytvořením neporušil autorská práva třetích osob.

V Praze dne datum odevzdání \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Poděkování**

Rád(a) bych touto cestou poděkoval(a) jméno vedoucího, případně dalších osob, a informace, za co děkujete.

zde napište český název práce

**Souhrn**

souhrn práce (1 strana textu)

**Klíčová slova:** klíčová slova (cca 5)

**zde napište anglický název práce**

**Summary**

anglický překlad českého souhrnu

**Keywords**: klíčová slova anglicky

**Obsah**

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***Struktura závěrečné práce je odvislá od typu Vaší práce (experimentální, projektová, rešeršní) – viz Přesné pokyny pro psaní bakalářských a diplomových prací na FAPPZ.***

# Úvod

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# Vědecká hypotéza a cíle práce

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# Literární rešerše

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## Podkapitola 1

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### Podkapitola 2

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# Metodika

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# Výsledky

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# Diskuze

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## Podkapitola 1

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### Podkapitola 2

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# Závěr

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# Literatura

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.

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# Seznam použitých zkratek a symbolů

***Tato kapitola není povinná***

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# Samostatné přílohy

***Tato kapitola není povinná – přílohy se vždy číslují odlišně!!!***

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