

**Mgr. Alžběta Novotná, Ph.D.**

**doktorant**

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#### **DZIAŁALNOŚĆ NAUKOWO-BADAWCZA**

##### **Projekty badawcze, granty:**

1. PROMETEO project: Isolation and molecular identification of mycorrhizal partners in roots of some epiphytic orchids from southern Ecuador. February 2014 – March 2015
2. PROMETEO project: Long-term preservation of orchid mycorrhizal fungi and their application for *in-vitro* germination and further orchid cultivation. May 2015 – June 2016

##### **Osiągnięcia naukowe, staże, kursy, udział w konferencjach:**

1. Student's fellowship (July-August 2005) – Horticulture Department, Iowa State University, USA.
2. Student's fellowship (June-August 2008) – Plant Pathology Department, Iowa State University, USA.
3. Course about orchid mycorrhiza, focused on isolation of OMF from tropical epiphytic orchids, Florida Panther National Wildlife Refuge (FPNWR), south Florida, July 2014, mentor - Dr. Lawrence Zettler
4. Course about how to grow orchids from seeds, Cali, Colombia, November 2015, mentor - Phil Seaton
5. November 2015 (V Scientific Conference on Andean Orchids), Cali, Colombia - poster presentation
6. May 2016 (6th International Orchid Conservation Congress), Hong Kong – oral presentation
7. November 2016 (Mundo de las orquídeas), Loja, Ecuador – workshop organizer, oral presenter

##### **Członkostwo w organizacjach naukowych:**

Membership in Asociación de Orquideología de Quito

##### **wypromowane prace:**

1. 2014-2015: Molecular identification of orchid mycorrhizal fungi isolated from three epiphytic orchid species (*Cyrtorchilum myanthum*, *Scaphyglottis punctulata*, *Stelis superbiens*) growing in montane cloud forest in the south of Ecuador (Daniela Elizabeth Suárez Galarza, Biotechnology Engineering at Universidad Internacional SEK (ISEK), Quito)

#### **DZIAŁALNOŚĆ DYDAKTYCZNA I POPULARYZACJA NAUKI :**

1. Mundo de las orquídeas (public workshop), November 2016, Botanical Garden „Reinaldo Espinosa”, Loja, Ecuador – workshop organizer, oral presenter

1. Wykład: Orchids and Fungi – unusual relationship

#### **DOROBEK NAUKOWY/ WYKAZ PUBLIKACJI**

1. Křístková E, Doležalová I, Lebeda A, Vinter V, **Novotná A** (2008) Description of morphological characters of lettuce (*Lactuca sativa* L.) genetic resources. Horticultural Science 35(3): 113-129.
2. . Lebeda A, Doležalová I, Křístková E, Kitner M, Petrželová I, Mieslerová B, **Novotná A** (2009) Wild *Lactuca* germplasm for lettuce breeding: current status, gaps and challenges. Euphytica 170: 15-34.
3. Lebeda A, Doležalová I, Kitner M, **Novotná A**, Widrlechner MP (2011) North American Continent – a new source of wild *Lactuca* spp. germplasm variability for future lettuce breeding. Acta Horticulturae 918: 475-482.

4. Lebeda A, Doležalová I, **Novotná A** (2011) Wild and weedy *Lactuca* species, their distribution, ecogeography and ecobiology in USA and Canada. *Genetic Resources and Crop Evolution* 59(8): 1805-1822.
5. **Novotná A**, Doležalová I, Lebeda A, Kršková M, Berka T (2011) Morphological variability of achenes of some European populations of *Lactuca serriola* L. *Flora* 206(5): 473-483.
6. Křístková E, Lebeda A, **Novotná A**, Doležalová I, Berka T (2014) Morphological variation of *Lactuca serriola* L. achenes as a function of their geographic origin. *Acta Bot. Croat.* 73(1): 1-19.
7. **Novotná A**, Benítez A, Herrera P, Cruz D, Filipczykóvá E, Suárez JP High diversity of root-associated fungi isolated from three epiphytic orchids in southern Ecuador (submitted in *Mycoscience*).
8. **Novotná A**, Suárez JP Molecular detection of bacteria associated with hyphae of *Serendipita* sp., a potential mycorrhizal fungus of *Stanhopea connata* Klotzsch from southern Ecuador (submitted in *Mycorrhiza*).
9. **Novotná A**, Filipczykóvá E, Benítez A, Eguiguren JS, Suárez JP Comparison of methods for cryopreservation of mycorrhizal fungi isolated from roots of epiphytic and terrestrial orchids from southern Ecuador (in preparation).