

**Personal information**

First name / Surname **Zuzana Kubínová**  
 E-mail kubinova@natur.cuni.cz  
 Researcher Identification Orcid ID: 0000-0001-6856-1232, Researcher ID: M-6697-2017, Scopus Author ID: 55925854300

**Work experience**

Dates 2019–present  
 Occupation or position held Microscopy technical assistant - part time  
 Main activities and responsibilities • acquiring and analyzing image data acquired by confocal microscopes, user support  
 Employer Institute of Physiology, Czech Academy of Sciences, Prague, Czech Republic

Dates 2018  
 Occupation or position held Laboratory technician - part time  
 Main activities and responsibilities • in vitro plants propagation  
 Employer Forestry and Game Management Research Institute, Strnady, Czech Republic

Dates 2010– 2017  
 Occupation or position held Researcher - part time  
 Main activities and responsibilities • acquiring and analyzing confocal microscopic image data  
 • teaching basic principles of image analysis and practical course in plant anatomy  
 Employer Faculty of Science, Charles University, Prague, Czech Republic

Dates 2007–2010  
 Occupation or position held Undergraduate research assistant - part time  
 Main activities and responsibilities • acquiring and analyzing confocal microscopic image data  
 Employer Institute of Physiology, Czech Academy of Sciences, Prague, Czech Republic

**Education**

Dates 2010– Present  
 Organisation providing education Faculty of Science, Charles University, Prague, Czech Republic  
 Field of study Plant Anatomy and Physiology – PhD study programme

Dates 2013–2016  
 Field of study (organisation providing education) • Life-long education programme - course “Higher Education” (Faculty of Science, Charles University in Prague, Czech Republic)  
 • Course “Academic Writing” (Dept. of Language Studies, Institute of the Czech language, Academy of Sciences of the Czech Rep.)

Dates 2008–2010  
 Organisation providing education Faculty of Science, Charles University in Prague, Czech Republic  
 Title of qualification awarded Mgr.  
 Field of study Plant Anatomy and Physiology – master degree study programme

Dates 2005–2008  
 Organisation providing education Faculty of Science, Charles University in Prague, Czech Republic  
 Title of qualification awarded Bc.  
 Field of study Biology – bachelor degree study programme

**Studying abroad**

August 2009 – January 2010 Erasmus exchange study programme, Aarhus University, Denmark  
 September 2017 Guest student at Italian Institute of Technology, Genova, Italy

**Personal skills and competences**

Mother tongue	<b>Czech</b>
Other languages - self-assessment	
<i>European level Common European Framework of Reference for Languages</i>	
<b>English</b>	
<b>German</b>	
Language Certificates	<ul style="list-style-type: none"> <li>• June 2016 - Certificate in Advanced English, CEFR Level C1</li> </ul>
Organisational skills & competences	<ul style="list-style-type: none"> <li>• 2011–2018 organising events and administrative support of the Czech Society of Experimental Plant Biology</li> <li>• 2011–2017 assisting the Secretary of the Department of Experimental Plant Biology</li> <li>• 2010–2016 organising activities for Erasmus students coming to the Faculty of Science</li> <li>• since 2006 help with organising different scientific conferences and seminars</li> </ul>
Technical skills and competences	<ul style="list-style-type: none"> <li>• running confocal microscopes Leica SPE, SP2 AOBS, SP8</li> <li>• driving licence B</li> </ul>
Computer skills and competences	<ul style="list-style-type: none"> <li>• Microsoft Office tools, Adobe Photoshop</li> <li>• Leica Confocal Software, LAS X</li> <li>• image analysis in ImageJ, Fiji and Ellipse programme (ViDiTo, Košice, SR)</li> </ul>

**List of publications****2019**

Kubínová Z, Glanc N, Radochová B, Lhotáková Z, Janáček J, Kubínová L, Albrechtová J. 2019. Unbiased estimation of Norway spruce (*Picea abies* L. Karst.) chloroplast structure: Heterogeneity within needle mesophyll under different irradiance and [CO<sub>2</sub>]. *Image Analysis & Stereology* 38(1), 83-94.

**2018**

Kubínová Z, Janáček J, Lhotáková Z, Šprtová M, Kubínová L, Albrechtová J. 2018. Norway spruce needle size and cross section shape variability induced by irradiance on a macro- and microscale and CO<sub>2</sub> concentration. *Trees* 32(1), 231-244.

**2017**

Kubínová L, Radochová B, Lhotáková Z, Kubínová Z, Albrechtová J. 2017. Stereology, an unbiased methodological approach to study plant anatomy and cytology: past, present and future. *Image Analysis & Stereology* 36(3), 187-205.

Albrechtová J, Lhotáková Z, Kubínová Z. 2017. Anatomické a histochemické analýzy jehlic. In *Metody hodnocení fyziologického stavu smrkových porostů: případové studie sledování vývoje stavu smrkových porostů v Krušných horách v letech 1998-2013*. [Eds. Albrechtová J, Kupková L, Campbell APKE]. Česká geografická společnost, Geographica, Praha

**2014**

Kubínová Z, Janáček J, Lhotáková Z, Kubínová L, Albrechtová J. 2014. Unbiased estimation of chloroplast number in mesophyll cells: advantage of a genuine three-dimensional approach. *Journal of Experimental Botany* 65, 609–620.

Albrechtová J, Kubínová Z, Soukup A, Janáček J. 2014. Image analysis: basic procedures for description of plant structures. In *Plant Cell Morphogenesis* (pp. 67-76). Humana Press, Totowa, NJ.