CURRICULUM VITAE

First and Family Name	**Raimondas ŠIUKŠTA**		
Date of Birth	*1985-08-24*		
Scientific Degree, Academic Title	*PhD*		
Higher Education			
Name of University	Year of Graduation	Academic Degree or Qualification obtained	
Vilnius University	*2008*	*BSc in Biology (Molecular biology), Cum laude diploma*	
Vilnius University	*2010*	*MSc in Biology (Genetics), Magna cum laude diploma*	
Postgraduate Studies			
Name of University	Title of Theses	Date	Scientific Degree
Vilnius University	*Inherited Phenotypic Instability of Barley Homeotic Single and Double Mutants and Its Possible Causes*	*2015*	*PhD*
Work Experience			
Year (from/to)	Institution		Position
2023 until now	*Dept. of Botany and Genetics, Life Sciences Center, Vilnius University*		*Senior Researcher*
2018 until now	*Dept. of Botany and Genetics, Life Sciences Center, Vilnius University*		*Associate Professor*
2013–2018	*Dept. of Botany and Genetics, Faculty of Natural Sciences, Vilnius University*		*Assistant Professor*
2011-2021	*Botanical garden of Vilnius University*		*Curator of the botanical collections*
2008–2011	*Botanical garden of Vilnius University*		*Specialist*
Teaching experience		13 years	
Professional (practical work) experience		20 years	
Scientific and Teaching Activity			
Fields of Research		Courses Offered	
Plant developmental genetics, molecular biology and biochemistry, molecular and biochemical markers		*Genetics for Biochemistry undergraduates (5 ECTS); Plant Molecular Biology for Genetics undergraduates (5 ECTS)*	

List of most important Publications

Scientific Publications

1. **Šiukšta R**, Pukenytė V, Kleizaitė V, Bondzinskaitė S, Čėsnienė T (2022) The butterfly effect: mild soil pollution with heavy metals elicits major biological consequences in cobalt-sensitized broad bean model plants. *Antioxidants*. 2022; 11(4):793.
2. **Šiukšta R**, Vaitkūnienė V, Mačkinaitė R, Rančelis V (2021) Application of barley *tweaky spike* mutants for the study of effects of plant immunity-related substances. *Agronomy* 11(11):2180.
3. Vaitkūnienė V, **Šiukšta R**, Leistrumaitė A, Rančelis V (2019) Prospective use of barley spike/flower homeotic single and double mutants for ornamental purposes. *Euphytica* 215: 127.
4. Stapulionytė A, Kleizaitė V, **Šiukšta R**, Žvingila D, Taraškevičius R, Čėsnienė T (2019) Cyto/genotoxicological evaluation of hot spots of soil pollution using *Allium* bioassays in relation to geochemistry. *Mutation Research/Genetic Toxicology and Environmental Mutagenesis* 842: 102–110.
5. **Šiukšta R**, Bondzinskaitė S, Kleizaitė V, Žvingila D, Taraškevičius R, Mockeliūnas L, Stapulionytė A, Mak K, Čėsnienė T (2019) Response of *Tradescantia* plants to oxidative stress induced by heavy metal pollution of soils from industrial areas. *Environmental Science and Pollution Research* 26(1): 44–61.
6. **Šiukšta R**, Vaitkūnienė V, Rančelis V (2018) Is auxin involved in the induction of genetic instability in barley homeotic double mutants? *Planta* 247(2): 483–498
7. Čėsnienė T, Kleizaitė V, Bondzinskaitė S, Taraškevičius R, Žvingila D, **Šiukšta R**, Rančelis V (2017) Metal bioaccumulation and mutagenesis in a *Tradescantia* clone following long-term exposure to soils from urban industrial areas and closed landfills. *Mutation Research/Genetic Toxicology and Environmental Mutagenesis* 823: 65–72.
8. **Šiukšta R**, Vaitkūnienė V, Kaselytė G, Okockytė V, Žukauskaitė J, Žvingila D, Rančelis V (2015) Inherited phenotype instability of inflorescence and floral organ development in homeotic barley double mutants and its specific modification by auxin inhibitors and 2,4-D. *Annals of Botany* 115(4): 651–663.
9. **Siuksta R**, Vaitkuniene V, Rancelis V, Zvingla D, Cesniene T, Kleizaite V, Zukauskaite J, Balciuniene L (2012) Barley homeotic mutants and their hybrids for ornamental purposes. *Acta Horticulturae* 953: 337–343.

10. Žvingila, Donatas; Vaitkūnienė, Virginija; Patamsytė, Jolanta; Leistrumaitė, Algė; Staniūtė, Monika; Balčiūnienė, Laimutė; Čėsnienė, Tatjana; Kleizaitė, Violeta; **Šiukšta, Raimondas**; Rančelis, Vytautas Petras (2012) DNA polymorphism and agronomic traits of revertants from barley (*Hordeum vulgare* L.) mutant *tw*. *Žemdirbystė = Agriculture* 99(2): 139-148.

Participation in the Grants

1. Use of molecular and cytogenetic markers to assess permanent genotoxicity of ecologically dangerous soils, 2015–2018. Investigator.
2. The study of the interaction between inducer of immunity and pathogen toxin using sensitive plant lines, 2009. Investigator.
3. The study of epigenesis inductors on the variation of barley flower structure, 2009. Investigator.