

MARKO KOLAKSAZOV

ASSISTANT, PHD

SCIENTIFIC INTERESTS:

Low-temperature stress in plants; Formation of reactive oxygen species and induction of oxidative stress and methods for their determination; Enzymatic and non-enzymatic antioxidant defence system; Absciscic acid and jasmonic acid as phytohormones of the stress regulation; Photosynthesis. Light phase, PSII and PSI, photosynthetic pigments and light-harvesting complexes. Methods for measurement of the photosynthetic activity: chlorophyll fluorescence and uptake of CO₂

EDUCATION AND SPECIALTY:

Sofia University, "St. Kliment Ohridski" - 10.2004 – 06.2008, Specialty: "*Biotechnology*"
Qualification degree: "*Bachelor's degree*"
2008-2010, Specialty: "*Plant Biotechnology*",
Qualification degree: "*Master*"

ACADEMIC CAREER:

- 2022 - Assistant Ph.D. in Institute of Forage Crops, Pleven
- 2015-2018 – Assistant in Medical University, Pleven, "Department of Medical Physics, Biophysics, Pre-clinical and Clinical Sciences" 2015– Academic research degree "Doctor", PhD

SCIENTIFIC FIELD:

4. Natural sciences, mathematics, and informatics
Professional direction: 4.3 Biological Sciences



CONTACT

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✉ m.kolaksazov@gmail.com

🌐 Orcid ID:

LANGUAGES

Bulgarian - Native
English
Russian

GENERAL SCIENTIFIC EXPERIENCE –

7 years

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NUMBER OF GUIDES AND PARTICIPATION IN SCIENTIFIC PROJECTS AND TASKS:

- Participation in International Projects – 1
- Participation in National Projects – 1

SCIENTIFIC PUBLICATIONS AND CITATIONS FOR THE GENERAL SCIENTIFIC EXPERIENCE:

Total number of scientific publications – over 10

MAJOR SCIENTIFIC ACHIEVEMENTS:

- Development of an immunohistochemistry kit; Photosynthetic activity;
- Chlorophyll fluorescence analysis;
- Transcription of genes by qrt-pcr analysis

LONG-TERM STUDY AND SCIENTIFIC EXPERIENCE ABROAD:

- Participation in Erasmus+ staff mobility (teaching assignments and staff training)



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