



Irena Golubanova

ASSOCIATE PROFESSOR, PHD

SCIENTIFIC INTERESTS:

Selection and seed production of annual and perennial cereal and leguminous crops (sorghum, sudangrass, broomcorn, birds trefoil), allelopathic potential, allelopathic tolerance, tolerance to drought, nutritional and anti-nutrient substances in grain and feed, brittleness of grain

EDUCATION AND SPECIALTY:

- 1992 – 1997: Agricultural University, Plovdiv, Speciality: "Agroecology"
Qualification degree: "Master"
- 1997 – 1998: Agricultural University, Plovdiv, Speciality: "Plant protection"
Qualification degree: "Master"

ACADEMIC CAREER:

- 2020 - Associate professor
- 2012 - Academic research degree "Doctor", PhD
- 2011 - Assis. professor
- 2009 – researcher I degree
- 2006 – researcher II degree
- 2001 – researcher III degree

SCIENTIFIC FIELD:

6. Agricultural Sciences and Veterinary Medicine
Professional direction: 6.1. Plant production;
Speciality: Plant breeding and seed production

NUMBER OF GUIDES AND PARTICIPATION IN SCIENTIFIC PROJECTS AND TASKS:

- Head of two research projects of the Agricultural Academy
- Participation in over fifteen research projects of the Agricultural Academy
- Participation in a research project for the Ministry of Education and Science, and one at the scientific and project activity division of Plovdiv University "Paisiy Hilendarski"

CONTACT

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LANGUAGES

Bulgarian - Native
English
Russian

GENERAL SCIENTIFIC EXPERIENCE –

21 years



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LANGUAGES

Bulgarian - Native
English
Russian

A NUMBER OF GUIDES OF SUCCESSFULLY DEFENDED DOCTORAL STUDENTS/ GRADUATE STUDENTS:

- 2017 - Scientific consultant of a protected master's thesis in the speciality "Ecology and ecosystem protection" at the Faculty of Biology of the „Paisii Hilendarski“ University of Plovdiv
- 2019 - Scientific consultant of a protected master's thesis in the speciality "Plant Protection" at the Agricultural University - Plovdiv

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SCIENTIFIC PUBLICATIONS AND CITATIONS FOR THE GENERAL SCIENTIFIC EXPERIENCE:

Total number of scientific publications – over 100;
Confirmed citations in the country and abroad – 208 (h-index 6; Google Scholar)

MAJOR SCIENTIFIC ACHIEVEMENTS:

- Evaluation of the biological effect of a set of chemical and physical "agents" applied on dry seeds and vegetatively in sorghum, sudangrass and soybean
- Genetic variety of forms and lines of sudangrass, soybean, grain sorghum, birds trefoil and broomcorn, through different breeding methods (hybridization, physical and chemical mutagenesis)
- Allelopathic potential of some annual and perennial cereal forage crops in the system "soil from the rhizosphere zone → roots → above-ground biomass" in different carriers of allelochemicals
- Selection value of sorghum, sudangrass and birds trefoil samples (varieties, lines, populations) according to fresh and dry biomass productivity, seed yield, chemical composition, nutritional and anti-nutrient substances

LONG-TERM STUDY AND SCIENTIFIC EXPERIENCE ABROAD:

- 2022 – Mobility with the purpose to teach under the Erasmus+ program at the University of St. Cyril and Methodius", the city of Skopje, North Macedonia;
- 2021 – Mobility with the purpose to train under the Erasmus+ program at the University of St. Cyril and Methodius", the city of Skopje, North Macedonia;
- 2019 - Mobility with the purpose to teach under the Erasmus+ program at the University of St. Cyril and Methodius", the city of Skopje, North Macedonia;
- 2018 - Mobility with the purpose to train under the Erasmus+ program at the Institute of Plant Genetics and Biotechnology, Nitra, Slovakia.
- 2009 – Training in cytological methods for analysis at the Institute of Genetics "Acad. D. Kostov" - Sofia