



## EVALUATION REPORT

**Concerning** the competition for "Associate Professor" in the Professional Field 6.2. Plant Protection; Scientific Speciality "Plant Protection (Herbology)", announced in the State Gazette No. 98 of 17.11.2020 from the Agricultural University - Plovdiv, Bulgaria, with candidate Chief Assistant Dr. Anyo Yordanov Mitkov from the Agricultural University - Plovdiv, Bulgaria

**From** Assoc. Prof. Dr. Plamen Atanasov Marinov-Serafimov – Institute of Forage Crops - Pleven, Area of Higher Education 6. Agricultural Sciences and Veterinary Medicine; Professional Field 6.2. Plant Protection; Scientific Speciality "Herbology", Member of the Scientific Jury appointed pursuant to order No. RD 16.50/22.01.2021, issued by the Rector of the Agricultural University – Plovdiv.

### 1. Brief introduction of the candidate.

Chief Assistant Dr. **Anyo Yordanov Mitkov** was born on 19.10.1980 in Pazardzhik town, Pazardzhik region. He graduated in Plant Protection at the Agricultural University - Plovdiv in 2003 and obtained a Bachelor's degree. In 2004 he completed a Master's course in "Agricultural Pharmacy", professional qualification an Agronomist, with honors and obtained a Master's degree. In 2012 he defended a dissertation in the Specialty "Plant Protection (Herbology)" and received the educational and scientific degree "Doctor". From 2007 to 2010 he held the Academic position of "Assistant", and since 2011 he is currently "Chief Assistant" at the Department of Agriculture and Herbology at the Agricultural University - Plovdiv. Since 2006, after taking a doctoral minimum, he started teaching full-time and part-time students from different specialities in the Agricultural University.

### 2. General description of the scientific production.

In the competition for "Associate Professor" Chief Assistant Dr. Anyo Yordanov Mitkov participates with a total production of 39 works, grouped as follows:

- Scientific publications on the nomenclature specialty – 35 issues, including:
- Publications related to the PhD thesis - 6 issues - not subject to review;
- Publications with impact factor - 2 issues;
- Publications submitted in referenced and indexed issues in the world-famous scientific information databases - 20 issues;
- Publications submitted in non-refereed peer-reviewed journals or in edited collective volumes -7 issues.

The personal participation of Chief Assistant Dr. Anyo Yordanov Mitkov in the publications shown is illustrated by the fact that in 2 issues he is only author (6.9%), in 14 issues is first (48.3%), in 4 issue is second (13.8%), and in the remaining 9 issues (31.0%) he is third and next author.



Book (1 issue) based on a defended dissertation for the award of educational and scientific degree "Doctor" "Biological efficacy and physiological evaluation of foliar herbicides in major winter cereals" (135 pages), where the candidate is an independent author.

Textbooks - 3 issues, as follows: 1 issue University textbook or textbook used in the school network and 2 issues; an University textbook or textbook used in the school network.

### **3. Pedagogical activity.**

Chief Assistant Dr. Anyo Yordanov Mitkov as of December, 01, 2020 has 13 years and 10 months of experience as a "lecturer" at the Agricultural University - Plovdiv (Certificate issued by LS-131/25.11.2020). The direct classroom employment from lectures, exercises and extracurricular employment for the period 2015-2020 amounts to 2271.2 hours. The average annual workload is 454.0 hours, which determines a relatively high employment rate when working with students from the "Plant Protection (Herbology)" Speciality. Chief Assistant Dr. Anyo Yordanov Mitkov gives lectures on the disciplines "Agriculture" and "Herbology".

### **4. Research activity.**

#### *Areas of publication.*

The research and publication activity of Chief Assistant Dr. Anyo Yordanov Mitkov are in the Professional field 6.2. 'Plant Protection', Scientific Specialty "Plant protection (Herbology)", related to chemical weed control, weed control, selectivity and efficacy of herbicides in a wide range of crops, including wheat, maize, oilseed rape, sunflower, chickpeas and pumpkin.

In the conditions of field experiments the selectivity of a group of herbicides in winter wheat and their herbicidal efficiency for control of cereal and broad leaved weeds, applied alone and in combination in registered and increased doses were established and their compatibility was found; The possibilities for herbicide control of self-seeding of CLEARFIELD® rapeseed and coriander in winter wheat were studied; The selectivity and biological efficiency of herbicides for soil and vegetation application in maize, applied both independently and in tank mixtures was also found; The high selectivity and efficacy of herbicide combinations for weed control in oilseed rape was proven; The possibilities for control of Orobanche in winter oilseed rape by using imazamox-containing herbicidal products were studied; The possibilities for weed control in sunflower crops grown by Clearfield and SU technology were studied and the efficacy of herbicides applied in reduced doses in tank mixtures as a means of controlling some dicotyledonous weeds was analyzed; The possibilities for herbicidal control of Hemp-agrimony in sunflower grown using the "Express sun" technology was studied; The selectivity and efficacy of herbicides for soil and vegetation application as a means of weed control in chickpeas was found; In the conditions of pod experiments, the selectivity of herbicides applied in different doses in pumpkins was studied, taking into account their effect on seed germination and the visible symptoms of phytotoxicity on the crop. Studies related to technological solutions and their effect on the yield and quality of corn and barley grain were done.

The results of the candidate's scientific-research activity are summarized in 29 scientific and scientific-applied contributions, distributed by crops. I accept the author's reference for the contributions.



*Citation and referencing of scientific production.*

For participation in the competition Chief Assistant Dr. Anyo Yordanov Mitkov presents 6 citations, noticed in scientific journals, referenced and indexed in world-famous databases (of which 2 Bulgarian and 4 in foreign editions).

*Participation in research projects.*

The candidate has participated in research projects and tasks, where he participates actively in the implementation of field experiments with herbicides, biostimulants and foliar fertilizers in various crops. He participated in: research implementation project "The Corn - Queen of the Field", national research project "Comprehensive evaluation of new herbicides for weed control in major field crops", funded by the NSF at the Ministry of Education, Youth and Science and as leader of research and implementation (consulting) project at the SRC of the Agricultural University - Plovdiv with the Syngenta Bulgaria Ltd. company to Herbitur.

**5. Remarks and recommendations.**

I haven't.

**6. Conclusion.**

Based on the analysis of the pedagogical, scientific and scientific-applied activity of the candidate, I consider that Chief Assistant Dr. Anyo Yordanov Mitkov meets the requirements of Law on the Development of the Academic Staff in the Republic of Bulgaria, Regulations for Application of the Law for the Development of the Academic Staff in the Republic of Bulgaria and the Regulations of the Agricultural University for its application. The production with which the candidate participates in the competition for the academic position of "ASSOCIATE PROFESSOR", Professional Field 6.2. Plant Protection; Scientific Speciality "Plant Protection (Herbology)" exceeds the minimum national requirements for scientific and teaching activities for the academic position of "Associate Professor". Chief Assistant Dr. Anyo Yordanov Mitkov has a profile of an advanced teacher and researcher, with significant achievements in his field.

All this gives me reason to evaluate **POSITIVELY** his overall activity. I allow myself to suggest to the esteemed Scientific Jury also to vote positively, and the Faculty Council of the Faculty of Agronomy at the Agricultural University-Plovdiv to elect **Chief Assistant Dr. Anyo Yordanov Mitkov** for "Associate Professor" in the Professional Field 6.2. Plant Protection; Scientific Speciality "Plant Protection (Herbology)".

26.02.2021  
Pleven town

**STATEMENT**

**PREPARED BY:**.....

(Assoc. Prof. Dr. Plamen Marinov-Serfimov)