

**Faculty of Agriculture
Goce Delcev University - Stip**



**1st INTERNATIONAL MEETING
AGRISCIENCE & PRACTICE (ASP 2018)**

BOOK OF ABSTRACTS

**10th - 11th May 2018
Stip, Republic of Macedonia**

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**1st INTERNATIONAL MEETING AGRISCIENCE & PRACTICE
ASP 2018**

Organized by

**FACULTY OF AGRICULTURE
GOCE DELCEV UNIVERSITY - STIP, REPUBLIC OF MACEDONIA
10-11 May 2018, Stip, Republic of Macedonia**

In the past ten years the educational, research and applicative activities of the Faculty of Agriculture – Stip, Goce Delcev University – Stip, contributed to the development of agriculture sector in the country and broader region.

The Faculty of Agriculture organizes the 1st International Meeting Agriscience & Practice (ASP 2018), giving an opportunity to the participants for presentation and discussion of original scientific and practical results in different fields of agriculture.

The 1st International Meeting Agriscience & Practice (ASP 2018) is organized with intention to bring together all agricultural stakeholders for sharing their knowledge, experience and obstacles. One of the main aims is to link research and field work in agricultural sector in the country and broader, giving it an international dimension.

The main goal of the Meeting is to connect and promote scientific achievements and practical knowledge presented in different thematic areas.

We are pleased to welcome you at the Faculty of Agriculture and we wish you active participation in the Meeting.

**President of the Organizing Committee
Prof. d-r Ljupco Mihajlov**

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BOOK OF ABSTRACTS
SECTION: PLANT PRODUCTION

CHARACTERIZATION OF SOME DOMESTIC AND INTRODUCED COTTON VARIETIES IN THE AGRO ECOLOGICAL CONDITIONS OF STRUMICA REGION Lence Buseva¹, Dragica Spasova^{1*}, Biljana Atanasova¹

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Abstract

During 2015-2016, research with 10 cotton varieties (lines 5136, 5140 and 5141, created at the Institute in Strumica and Bulgarian varieties *Chirpan 539*, *Veno*, *Perla 267*, *Avangard 264*, *Colorit 409*, *Helius 288* and *Natalia 361*) was done in the agro ecological conditions of Strumica region. The aim was to study the biological and agricultural characteristics of cotton varieties. The experiments were done in three repetitions following a randomized block system and with size of experimental field parcel to 14 m². All examined varieties in agroecological conditions in Strumica fall in medium early-matured varieties, with a vegetation period of 125-130 days. The lines belong to the group of early-matured varieties with a vegetation period of 116-118 days. The yields of the dry cotton in the years of research are from 2853 kg/ha at the Bulgarian variety *Colorit*, to 5158 kg/ha at the variety *Veno*. The highest randman from the domestic genotypes has the line 5141 (42.6%), and from the Bulgarian genotypes *Chirpan 539* (45.4%) and *Helius 204* (43.8%).

Key words: *Gossypium hirsutum*, cotton, randman, yield, fibre length