

**FACULTY OF AGRICULTURE  
GOCE DELCEV UNIVERSITY, STIP**



**4<sup>th</sup> INTERNATIONAL MEETING  
AGRISCIENCE & PRACTICE  
(ASP 2024)**

**BOOK OF ABSTRACTS**

**July 2024  
Stip, Republic of North Macedonia**



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**4<sup>th</sup> INTERNATIONAL MEETING AGRISCIENCE & PRACTICE  
ASP 2024**

**Organized by**

**FACULTY OF AGRICULTURE  
GOCE DELCEV UNIVERSITY, STIP, REPUBLIC OF NORTH MACEDONIA  
13 June 2024, Stip, Republic of North Macedonia**

Faculty of Agriculture organizes the 4<sup>th</sup> International Meeting Agriscience & Practice (ASP 2024), giving an opportunity to the participants for presentation and discussion of original scientific and practical results in different fields of agriculture.

The 4<sup>th</sup> International Meeting Agriscience & Practice (ASP 2024) is organized with an 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 abroad, giving it an international dimension.

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

The scientific and applicative presentations are conducted in sections:

***1. Agricultural economics, 2. Plant biotechnology, 3. Plant production, 4. Plant protection, 5. Quality control and food safety, 6. Soil science and hydrology 7. Viticulture, enology and fruit production***

with a possibility for poster presentation. Nevertheless, the needs of the agricultural sector entail organization of plenary presentation on the most actual topic in the field of agriculture and panel discussions, where invited speakers and panellists have a possibility to share their experience with the Meeting participants.

Dear colleagues, let's again gather together in one place with one joint idea - to combine agricultural science and practice with a purpose to share information, knowledge, experiences and solutions to exceed the problems. The main objective of this Meeting is successful establishment of continuous and valid communication and collaboration among scientific, research and practical activities in agriculture sector in our country, neighboring countries and on broader international level. We will achieve the main goal of the Meeting as well as our common objective only by virtue of synergic connections on which we have been working intensively in the past years.

Every science has its significance and value in the given social context, but agricultural production has a special place of vital significance.

With great joyfulness we thank you for your active participation in the Meeting!

**Emilija Arsov, PhD**

**Dean of the Faculty of Agriculture  
&  
Chair of the Organizing Committee**

**July, 2024, Stip, Republic of North Macedonia**

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**INFLUENCE OF THE NON-WOVEN COVER CLOTH – AGRIL ON THE DEVELOPMENT OF SPRING CABBAGE IN THE OPEN FIELD** Mite Ilievski<sup>1\*</sup>, Daniela Todevska<sup>1</sup>, Dragica Spasova<sup>1</sup>, Dusan Spasov<sup>1</sup>, Biljana Atanasova<sup>1</sup>, Natalija Markova Ruzdik<sup>1</sup>, Boris Chapanov<sup>1</sup>

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**Abstract**

Cabbage (*Brassica oleracea* var. *capitata* L.) is a very important garden crop. In Macedonia, cabbage is grown on significantly large areas, both in protected areas and in open fields. Producers are looking for new alternative ways and opportunities to increase production with cabbage in the open field with earlier sowing dates, but due to low temperatures, new opportunities are being sought to solve this problem.

With the use of agril in the production of early spring cabbage in the open field, the vegetation period on the KEVIN F1 hybrid was shortened by 12 days in the first year and 10 days in the second year compared to the control. The area covered with agril gave a higher yield compared to the control.

**Key words:** cabbage, temperature, vegetation, period, yield, cover, agril.

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