



ISSN 1311-0489 (Print)  
ISSN 2367-8364 (Online)

**Agricultural Academy**

**JOURNAL  
OF MOUNTAIN AGRICULTURE  
ON THE BALKANS**

**Volume 23**

**Number 6, 2020**

**Published by  
Research Institute of Mountain Stockbreeding and Agriculture  
Troyan, Bulgaria**

**AGRICULTURAL ACADEMY, SOFIA, BULGARIA**

**JOURNAL OF MOUNTAIN AGRICULTURE  
ON THE BALKANS (JMAB)®**

**ISSN 1311-0489 (Print); ISSN 2367-8364 (Online)**

**JOURNAL OF MOUNTAIN AGRICULTURE ON THE BALKANS** is a bilingual journal issued six times a year by the Research Institute of Mountain Stockbreeding and Agriculture (RIMSA) in Troyan, Bulgaria. Its scope includes basic and applied researches relevant to agriculture and stockbreeding in the mountain, hilly and lowland areas in Bulgaria and abroad. JMAB is an international free open access web based scientific journal dedicated to the publication and discussion of high-quality research in the field of Stockbreeding, Forage Production and Grassland Management, Annual and Perennial Plants and General Agriculture. It publishes original scientific papers, overviews and short communications which are doubleblind peer reviewed.

*For contributions and subscription information, please contact the Editorial Office:*

*RIMSA, 281, Vasil Levski Str.*

*5600 Troyan, Lovech District*

*Bulgaria*

*Tel.: +359/670/62802*

*Mobile: +359/877/743604*

*E-mail: [jma@mail.bg](mailto:jma@mail.bg)*

*Website: <http://www.rimsa.eu/index.php/journal>*

**Editorial Board**

**Editor-in-Chief:** Assoc. Prof. Diyan Georgiev, PhD (Troyan, Bulgaria)

**Deputy Editor-in-Chief:** Assoc. Prof. Maria Georgieva, PhD (Troyan, Bulgaria)

**Managing Editor:** Diana Todorova (Troyan, Bulgaria)

**Members:**

Prof. Stefan GandeV, DSc (Plovdiv, Bulgaria)

Prof. Aneliya Katova, PhD (Pleven, Bulgaria)

Prof. Teodora Popova, PhD (Kostinbrod, Bulgaria)

Prof. Boryana Churkova, PhD (Troyan, Bulgaria)

Assoc. Prof. Boryana Stefanova, PhD (Troyan, Bulgaria)

Assoc. Prof. Svetoslava Stoycheva, PhD (Troyan, Bulgaria)

Assoc. Prof. Tsvetomira Bancheva, PhD (Troyan, Bulgaria)

Chief Assist. Prof. Tatyana Bozhanska, PhD (Troyan, Bulgaria)

RNDr. Jan Ned Iník, PhD (Troubsko, Czech Republic)

Ing. Jan Pelikán, CSc. (Troubsko, Czech Republic)

Sen. Res. Assoc. Milan Luki , PhD ( a ak, Republic of Serbia)

Sen. Res. Assoc. Aleksandar Laposavi , PhD ( a ak, Republic of Serbia)

Sen. Res. Assoc. Nevena Maksimovi , PhD (Belgrade-Zemun, Republic of Serbia)

Sen. Res. Assoc. Violeta Caro Petrovi , PhD (Belgrade-Zemun, Republic of Serbia)

ISSN 1311-0489 (Print)  
ISSN 2367-8364 (Online)

**Agricultural Academy**

**JOURNAL  
OF MOUNTAIN AGRICULTURE  
ON THE BALKANS**

Volume 23

Number 6, 2020

**Published by  
Research Institute of Mountain Stockbreeding and Agriculture  
Troyan, Bulgaria**

## C O N T E N T S

<b>Stockbreeding</b>	
	<p><b>Valdet Gjinovci, Anthony Wilsmore, Armend Cana</b>                      A Study on the Risk of African Swine Fever Entering in Kosovo  <span style="float: right;"><b>1-35</b></span></p>
<p>(<i>Cyprinus carpio</i>)</p>	<p><b>Cigdem Urku, Dimitrinka Zapryanova, Radoslav Simeonov, Damyan Lalev, Galin Nikolov</b>                      Histopathological Changes of Liver and Intestine of Common Carp (<i>Cyprinus carpio</i>) after Long-Term Starvation  <span style="float: right;"><b>36-44</b></span></p>
	<p><b>Olena Ivanina, Viktor Yakovchuk</b>                      Using of Clinical and Hematological Indicators for Determination of Stress Phenomena during the Milking of Ewes  <span style="float: right;"><b>45-53</b></span></p>
	<p><b>Tanya Ivanova, Tsvetomira Bancheva, Svetoslava Stoycheva</b>                      Effect of the Economic Year on the Milk Yield of 'Staroplaninski Tsigai' Sheep Breed  <span style="float: right;"><b>54-61</b></span></p>
	<p><b>Tsvetomira Bancheva</b> Effect of the Marketing Year on the Milk Yield of 'Karakachanska' Sheep Breed                      Tanya Ivanova, Svetoslava Stoycheva,  <span style="float: right;"><b>62-69</b></span></p>
	<p><b>Tsvetelina Nikolova</b>                      Study on the Growth Abilities, Quantity and Quality Indicators of Lamb Meat of 'Kotlenska' and 'Tetevenska' Breeds  <span style="float: right;"><b>70-82</b></span></p>
	<p><b>Magdalena Oblakova, Ivelina Ivanova, Nadya Mincheva, Pavlina Hristakieva, Mitko Lalev</b>                      Evaluation of New Slow-growing Chickens Genotypes: I. Growth Performance and Slaughter Traits  <span style="float: right;"><b>83-106</b></span></p>



<b>Perennial Plants</b>	
( <i>Lycium barbarum</i> L.)	<b>Hristo Dzhugalov</b> Phenological Manifestations in Two Goji Berry Varieties ( <i>Lycium barbarum</i> L.) <b>202-209</b>
( <i>Lycium barbarum</i> L.)	<b>Hristo Dzhugalov</b> Growth and Reproductive Manifestations of Some Varieties of the Goji Berry Plant ( <i>Lycium barbarum</i> L.) Formed As a Tree <b>210-218</b>
Willamette	<b>Stanislava Atanasova, Maria Georgieva, Diyan Georgiev</b> Correlation Dependences between Vegetative and Reproductive Characteristics of 'Willamette' Cultivar <b>219-234</b>
	<b>Petya Ivanova, Diyan Georgiev, Maria Georgieva, Stanislava Atanasova, Ivan Bakalov</b> Sensory Characteristics of Raspberry Cultivars <b>235-243</b>
Malus sp.	<b>Petko Minkov, Teodora Mihova</b> Valuable Local Early Ripening Apple Cultivars and Genotypes of Genus Malus in the Region of Troyan Balkans <b>244-254</b>
<b>General Agriculture</b>	
1887) eloidogyne (Goeldi,	<b>Harry Samaliev, Zhanna Udalova, Lyubov Pelgunova, Olga Baycheva, Fuat Khasanov, Evgenii Krisanov, Kostadin Trayanov, Svetlana Zinovieva</b> Selenium – Nanoparticles as a Possible Method for Control to <i>Meloidogyne</i> (Goeldi, 1887) <b>255-265</b>
	<b>Zhelyu Avramov</b> Impact of Wildlife Repellents Used on Corn and Potatoes Grown near Forests <b>266-291</b>
	<b>Jonita Perfanova, Kostadinka Nedyalkova, Radka Donkova</b> Microbiological Properties of Soils from Mountainous Areas <b>292-304</b>