



Тип документа
 Глава книги
Тип источника
 Книга
ISBN
 978-303068394-8, 978-303068393-1
DOI
 10.1007/978-3-030-68394-8_16
[Смотреть больше](#)

Soils Under Stress: More Work for Soil Science in Ukraine • Страницы 163 - 171 • 1 June 2021

Better management of soil fertility in the southern steppe zone of Ukraine

Gamajunova, Valentyna^a; Panfilova, Antonina^a ; Kovalenko, Oleh^a ; Khonenko, Lyubov^a ; Baklanova, Tetyana^b ; Sydiakina, Olena^b
 Сохранить всех в список авторов

^a Faculty of Agricultural Technologies, Mykolayiv National Agrarian University, 9 George Gongadze St, Mykolayiv, 54020, Ukraine
^b Department of Agricultural Sciences SHEI, Kherson State Agrarian University, 23 Stretenskaya St, Kherson, 73006, Ukraine

3 93th percentile
 Цитаты в Scopus

3,07
 FWCI

[Просмотреть все параметры](#) >

[Опции полного текста](#) >
 [Экспорт](#) >

Главы в этой книге

[Просмотреть сведения Scopus по этой книге](#)

24 главы, найденные в Scopus

- > Conceptualizing sustainable management of soil organic carbon
- > Editorial introduction
- > Status and problems of normative monetary valuation of land in Ukraine
- > An investable proposal to transform the steppe
- > Creating digital elevation models using budget unmanned aerial vehicles

[Смотреть все](#) >

Цитирования в 3 документах

Nano-fertilizers: A sustainable technology for improving crop nutrition and food security
 Jakhar, A.M., Aziz, I., Kaleri, A.R. (2022) *NanoImpact*

Influence of stubble biodestructor on soil microbiological activity and grain yield of winter wheat (*Triticum aestivum* L.)
 Panfilova, A. (2021) *Notulae Scientia Biologicae*

Optimisation of Nutrition of Early-Maturing Potato Varieties on Drip Irrigation in the South of Ukraine | Оптимізація живлення ранньостиглих сортів картоплі на краплинному зрошенні Півдня України
 Gamajunova, V., Khonenko, L., Iskakova, O. (2021) *Scientific Horizons*

[Просмотреть все 3 цитирующих документов](#)

Сообщайте мне, когда этот документ будет цитироваться в Scopus:

[Задать оповещение о цитировании](#) >

Связанные документы

Modern approaches to use of the mineral fertilizers preservation soil fertility in the conditions of climate change | СУЧАСНІ ПІДХОДИ ДО ЗАСТОСУВАННЯ МІНЕРАЛЬНИХ ДОБРИВ ЗА ЗБЕРЕЖЕННЯ ҐРУНТОВОЇ РОДІУЧОСТІ В УМОВАХ ЗМІНИ КЛІМАТУ
 Gamajunova, V., Khonenko, L., Baklanova, T. (2020) *Scientific Horizons*

USING BIOPREPARATIONS TO OPTIMIZE POTATO NUTRITION IN THE SOUTHERN STEPPE OF UKRAINE
 Iskakova, O., Gamajunova, V. (2021) *AgroLife Scientific Journal*

Advances in nutrition of sunflower on the southern steppe of Ukraine
 Kovalenko, O., Gamajunova, V., Neroda, R. (2021) *Soils Under Stress: More Work for Soil Science in Ukraine*

[Просмотр всех связанных документов исходя из пристатейных ссылок](#)

[Найти дополнительные связанные документы в Scopus исходя из следующего параметра:](#)

[Авторы](#) >
 [Ключевые слова](#) >

Краткое описание

[Ключевые слова автора](#)

[Цели устойчивого развития 2023](#)

[Темы SciVal](#)

[Параметры](#)

Краткое описание

Soil fertility has declined across the Southern Steppes through neglect of crop rotation, a big reduction in the area under legumes and perennial grasses, and lack of farmyard manure. Farmyard manure and incorporation of straw and stubble, applied separately and with mineral fertilizers, increase the soil's humus content and its capacity to absorb rainfall and supply this water to crops, and significantly reduce unproductive evaporation. Nowadays, crop residues are the chief source of organic matter for arable soils. Processing crop residues with a commercial stubble bio-decomposer accelerates decomposition with lesser dependence on the weather. © Springer Nature Switzerland AG 2021. All rights reserved.

Ключевые слова автора

Bio-decomposer preparations; Crop rotation; Fertility; Manure and fertilizer; Steppe soils

Цели устойчивого развития 2023

Новое

Цели устойчивого развития, сопоставленные с этим документом

<p>Ликвидация голода</p> <p>Цель 2</p>	<p>Партнерство в интересах устойчивого развития</p> <p>Цель 17</p>
---	---

Темы SciVal

Название темы Fertilizer; Forest Steppe; Sowing

Процентиль актуальности 76.771

Параметры

Показатели Scopus

3 93-й процентиль
 Цитаты в Scopus

3,07
 Взвешенный по области знаний индекс цитирования (FWCI)

[Другие параметры](#) >

Пристатейные ссылки (15)

[Просмотреть в формате результатов поиска](#) >

Все
 [Экспорт](#)
[🖨 Печать](#)
[✉ Электронная почта](#)
[📄 Сохранить в PDF](#)
[📖 Создать библиографию](#)

- 1 Balayev, A.D., Tonha, O.L. Restoration of fertility of black-forested forest steppe in modern agriculture (2014) *Bulletin of the National University of Life and Environmental Sciences of Ukraine: Series Agronomy*, 195 (1), pp. 14-19. (Ukrainian)
- 2 Boincean, B., Dent, D. Farming the Black Earth: Sustainable and Climate-Smart Management of Chernozem Soils (2019) *Farming the Black Earth: Sustainable and Climate-Smart Management of Chernozem Soils*, pp. 1-209. Цитировано 27 раз.
<https://link.springer.com/book/10.1007/978-3-030-22533-9>
 ISBN: 978-303022533-9; 978-303022532-2
 doi: 10.1007/978-3-030-22533-9
[View at Publisher](#)
- 3 Filip'ev, I.D., Gamajunova, V.V., Balyuk, S.A. Fertilizer systems (2009) *Scientific bases of protection and rational use of irrigated lands of Ukraine*, pp. 279-299. ed. S.A. Balyuk, M.I. Romashchenko, and V.A. Stashuka, Kyiv: Agrarian Science (Ukrainian)
- 4 Gamajunova, V. Sustainability of soil fertility in the Southern Steppe of Ukraine, depending on fertilizers and irrigation (2017) *Soil Science Working for a Living: Applications of Soil Science to Present-Day Problems*, pp. 159-166. Цитировано 6 раз.
<http://www.springer.com/in/book/9783319454160>
 ISBN: 978-331945417-7; 978-331945416-0
 doi: 10.1007/978-3-319-45417-7_14
[View at Publisher](#)
- 5 Gamajunova, V.V. Irrigation efficiency and effect of fertilizers on the use of moisture by plants and improvement of sustainability of steppe agriculture (2018) *Adaptation of agrotechnology to climate change: Soil and agrochemical aspects*, pp. 108-126. Цитировано 3 раз.
 ed. S.A. Baliuk, V.V. Medvedev, and B.S. Nosco, Kharkiv: Stylish Typography (Ukrainian)
- 6 Gamajunova, V.V., Panfilova, A.V. Payback for the joint use of fertilizers and biological products on winter wheat in the Southern Steppe of Ukraine (2019) *Bulletin of Poltava State Agrarian Academy*, 1, pp. 41-48. Цитировано 3 раз. (Ukrainian)
- 7 Gamajunova, V.V., Kovalenko, O.A., Honenko, L.G. Modern approaches to agricultural management based on biology and resource conservation (2018) *Rational use of resources in environmentally stable territories*, p. 324. ed. P.V. Pisarenko, T.O. Chaika, and I.O. Clairvoyant. Poltava: Poltava State Agrarian Academy (Ukrainian)
- 8 Gospodarenko, G.N. Optimization of nitrogen nutrition of corn for silage (1997) *Corn and Sorghum*, 3, pp. 6-8. (Ukrainian)
- 9 Hamajunova, U., Hlushko, T., Honenko, L. Preservation of soil fertility as a basis for improving the efficiency of management in the southern Steppe of Ukraine (2018) *Scientific Development and Achievement: Science*, pp. 13-27. Цитировано 4 раз. (London)
- 10 Hatkov, K.H., Hatkova, M.H. Winter wheat productivity with various doses of organic-mineral fertilizers (2016) *New Technologies*, 1, pp. 137-141. (Ukrainian)
- 11 Krupenikov, I.A., Boincean, B.P., Dent, D.L. (2011) *The black earth: Ecological principles for sustainable agriculture on chernozem soils*. Цитировано 23 раз.
 Dordrecht: Springer
- 12 Panfilova, A., Mohylnytska, A. The impact of nutrition optimization on crop yield of winter wheat varieties (*Triticum aestivum* L.) and modeling of regularities of its dependence on structure indicators (Открытый доступ) (2019) *Agriculture and Forestry*, 65 (3), pp. 157-171. Цитировано 13 раз.
<http://www.agricultforest.ac.me/data/20190930-13%20Panfilova%20and%20Mohylnytska.pdf>
 doi: 10.17707/AgriForest.65.3.13
[View at Publisher](#)
- 13 Patyka, V.P., Tyhonovych, I.D., Filip'ev, I.D. (1993) *Microorganisms and alternative agriculture*. Цитировано 3 раз.
 ed. V.P. Ducks, 176. Kyiv: Harvest (Ukrainian)
- 14 Pol'ovyy, A.M., Bozhko, L.Y., Adamenko, T.I. Agrometeorological research in Ukraine (2017) *Ukrainian Hydrometeorological Journal*, 19, pp. 72-81. Цитировано 2 раз. (Ukrainian)
- 15 Pryanishnikov, D.N. (1953) *Nitrogen in crop life and in agriculture: Selected works*, 2. Цитировано 2 раз.
 Moscow: State Publisher of Agricultural Literature (Russian)

Gamajunova, V.; Faculty of Agricultural Technologies, Mykolayiv National Agrarian University, 9 George Gongadze St, Mykolayiv, Ukraine
 © Copyright 2023 Elsevier B.V., All rights reserved.

О системе Scopus

[Что такое Scopus](#)
[Содержание](#)
[Блог Scopus](#)
[Интерфейсы API Scopus](#)
[Вопросы конфиденциальности](#)

Язык

[Switch to English](#)
[日本語版を表示する](#)
[查看简体中文版本](#)
[查看繁體中文版本](#)

Служба поддержки

[Помощь](#)
[Обучающие материалы](#)
[Связь с нами](#)