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 2024-1-RS01-KA210-VET-000244168

List of identified available literature and materials on organic farming

Engaged teachers: Stefanovski Saso, Milosheva Zaklina, Jovanova Kristina, Doncheva Milica, Nikolov Efremcho, Slavkovic Sonja

Location: Kumanovo, Sveti Nikole, Skopje, Strumica, Kavadarci

R.b.	Title "The	Short description
1	World of Organic Agriculture: Statistics and Emerging Trends 2024" Year: 2024 Publisher: FiBL & IFOAM https://www.organic-world.net/yearbook/yearbook-2024.html	A comprehensive annual report that shows statistics, trends and policies related with organic agriculture on a global, national level. regional and
2	"Principles of Organic Agriculture" Year: 2023 Publisher: IFOAM – Organics International https://www.ifoam.bio/why-organic/principles-organic-agriculture	This document defines the four basic principles of organic farming: health, ecology, fairness, and care.
3	"Organic agriculture in the twenty-first century" Year: 2016 Authors: Reganold, JP & Wachter, JM Source: Nature Plants, 2(2), 15221 https://www.nature.com/articles/nplants201522	A scientific paper comparing conventional the organic and agriculture in terms of yield, sustainability, biodiversity and impact on the environment.
4	"Comparing the yields of organic and conventional agriculture" Year: 2012 Authors: Seufert, V., Ramankutty, N. & Foley, JA Source: Nature, 485(7397), 229–232 https://www.nature.com/articles/nature11069	Research based on a meta-analysis of 316 studies, which compares the productivity of organic farming with that of conventional farming.
5	"The future of food and agriculture – Alternative pathways to 2050" Year: 2018 Publisher: FAO https://www.fao.org/publications/fofa/en/	FAO report analyzing alternative models on production on food, including and the organic agriculture, a how key strategy for a sustainable future.
6	"Higher antioxidant and lower cadmium concentrations and lower incidence of pesticide residues in organically grown crops" Year: 2014 Authors: Barański, M., et al. Source: British Journal of Nutrition, 112(5), 794–811 https://www.cambridge.org/core/journals/british-journal-of-nutrition/article/higher-antioxidant-and-lower-cadmium-concentrations-and-lower-incidence-of-pesticide-residues-in-	A scientific paper showing that Organically grown crops have higher antioxidant content and fewer residues from pesticides.



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2024-1-RS01-KA210-VET-000244168

	organically-grown-crops/4F3D41A507C8EF3E3B04938A1D4208D3	
7	"Annual report on the state of agriculture - North Macedonia" Year: 2023 Publisher: MAFWE https://mzsv.gov.mk	Annual report from the Macedonian Ministry of Agriculture who contains statistics for organic production, supports, areas and certified manufacturers.
8	"Organic Agriculture in the European Union: Facts and Figures" Year: 2022 Publisher: European Commission – DG AGRI https://agriculture.ec.europa.eu/	EU report on the state of organic farming in member states, with data on policies, in certification, and growth of organic markets.
9	"Organic agriculture: sustainability, markets and policies" Year: 2003 (but still relevant for political analysis) Publisher: OECD https://www.oecd.org/agriculture/organicagriculture.htm	An OECD publication that analyses the policies and market conditions affecting organic farming, with a focus on economic aspects.
10	"Organic agriculture market assessment – North Macedonia" Year: 2022 Publisher: GIZ North Macedonia https://www.giz.de/en/downloads/giz2022-organic-agriculture-market-assessment-north-macedonia.pdf	Regional analysis of the organic market in North Macedonia, conducted by GIZ. Covers problems, advantages and opportunities for export.
11	Soil Fertility, Renewal and Preservation Author: Ehrenfried Pfeiffer Publisher: Lanthorn Press Released: January 1, 2008 ISBN-10: 0906155126 ISBN-13: 978-0906155127	The book covers all aspects of biodynamic farming, including ideas for forestry and market gardening, and contains chapters on scientific evidence for the effect of biodynamic growth, as well as the effects of biodynamics on health.
12	Basics of organic beekeeping Authors: Goran Kolev, Thomas Amsler Publisher: Consulting House for Organic Agriculture and Rural Development https://dpep.ugd.edu.mk/images/imagesDPEP/organsko_zemjodielie/Osnovi_na_organskoto_pcelarstvo.pdf	This publication describes basic principles in organic farming beekeeping, cultivation and bee selection, time conversion, period location for of the organic apiary, food and nutrition, wintering of bee colonies, spring development of bees, honey production and harvesting, replacement of synthetic color and treatment with organic protective agents, prevention and control of diseases and pests in organic beekeeping, as well as



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2024-1-RS01-KA210-VET-000244168

		therapeutic measures in the organic beekeeping.
13	Agricultural, horticultural and floricultural production textbook for the second year, agriculture, fisheries and veterinary medicine, phytomedicine technician qualification Authors: Elizabeth Angelska Igorche Nikolov Publisher: MES of RSM Place and year of publication: Skopje, 2024	The contents of this textbook have theoretical and professional character and enable the acquisition of knowledge and skills from agricultural, horticultural and floricultural production. Contains 4 modular units agroecology and agrotechnics, agricultural production, horticultural production, floricultural and production.
14	Advances in Organic Farming Author: LP Awasthi ISBN: 978-1-80062-683-6 https://www.cabidigitallibrary.org/doi/book/10.1079/9781800626850.0000	"Progress in Organic Agriculture", edited by Prof. L.P. Avasti, offers a colorful perspective on adaptation and the expansion of various organic farming. The aspects on book serves as a valuable resource for students and university professors, as well as an excellent resource for researchers and experts who specialize in or interested in organic agriculture.
15	Research Advances in Organic Farming Authors: Jatindra Nath Bhakta, PhD – Professor, Sukanta Rana, PhD – Assistant Professor, Released: February 16, 2023 Publisher: NOVA ISBN: 979-8-88697-519-2 https://novapublishers.com/shop/research-advancements-in-organic-farming/	The book focuses on advanced approaches in agricultural practices, organic production and sustainable crop for environmental protection from pollution caused by conventional agricultural practices. Covers current achievements in the basic theoretically, practical and application frameworks of organic agriculture, with a focus on the latest empirical research on the following topics: basic concept, importance and future prospects of organic agriculture, organic farming, animal husbandry, environmental aquaculture, quality, management with composting and



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2024-1-RS01-KA210-VET-000244168

		vermicomposting, bioslurry and biofertilizers.
16	Organic Farming Its Potential Principles and Procedures Author: Sheikh Asraf Hossain Publisher: Biotech Books Released: 1 Oct. 2022 ISBN-10: 8176225029 ISBN-13: 978-8176225021 https://www.amazon.co.uk/Organic-Farming-Potential-Principles-Procedures/dp/8176225029#detailBullets feature div	A book dedicated to the principles and procedures of organic farming with special review of management examples quality and environmental protection environment
17	Organic Farming for Sustainable Horticulture Author: PPReddy Publisher: SENTIFIC Released: January 1, 2010 ISBN-10: 9788172336400 ISBN-13: 978-8172336400	The book "Organic Farming for Sustainable Horticulture" focuses on organic farming as a sustainable practice in horticulture, with an emphasis on health, ecology and economic viability. Investigates the application of organic methods in growing fruits, vegetables, flowers and other crops. horticultural cultures. emphasizes The need from residue-free products, especially since these crops are often consumed fresh.
18	Organic Farming for Sustainable Agriculture ISBN-13:9781682867792 ISBN-10:168286779X Publisher: Syrawood Publishing House Released: 2019 Author: Cruz Hawkins	Sustainability in agriculture is achieved by respecting ecological processes such as nutrient cycling, nitrogen fixation, soil renewal, and the application of environmentally friendly practices. This way of farming opposes the use of synthetic fertilizers, pesticides, genetically modified organisms, growth regulators and hormones in the process of agriculture. Naturally occurring pesticides such as rotenone and pyrethrins are used in organic farming. This book is a compilation of chapters that review the most important concepts and new trends in the field of organic farming. It will serve as a reference for



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2024-1-RS01-KA210-VET-000244168

		farmers, horticulturists and agro-economists.
19	Advances in Organic Farming: Crop Production and Management 1st Edition Authors: Sanchita Brahma (Editor), Vinod Upadhyay (Editor), Rupak Kumar Nath (Editor), Ranjit Sarma (Editor), & 1 more Publisher: Apple Academic Press Released: November 22, 2024 ISBN-10: 1774917548 ISBN-13: 978-1774917541 https://www.amazon.com/Advances-Organic-Farming-Production-Management/dp/1774917548#	The book focuses on contemporary practices and research in organic agriculture, with emphasis on crop production and management. Main topics and content are organic production methods, crop management, organic seed production, soil fertility and health, environmental sustainability and research and innovation.
20	Organic Farming for Sustainable Agriculture (Sustainable Development and Biodiversity, 9) Author: Dilip Nandwani Publisher: Springer Released: April 1, 2018 ISBN-10: 3319800183 ISBN-13: 978-3319800189	This book represents a peer-reviewed contribution by leading international academics and researchers in the fields of organic agriculture, plant ecosystems, sustainable horticulture and related fields of biodiversity science. Includes case studies and reviews of organic agriculture, horticulture, and pest management, using microorganisms, composting, crop rotation, organic production milk and meat, as well as environmental issues. A valuable reference a resource for students, researchers and farmers interested in biodiversity, agroecology and the sustainable development of agricultural resources.
21	"Organic Agriculture: A Global Perspective", Authors Paul Christiansen, Akram Taji and John Reganold https://www.publish.csiro.au/book/5325	In "Organic Agriculture: A Global Perspective", Paul Christiansen, Akram Taji, and John Reganold, and their international group of collaborators, scientifically review key aspects of organic farming. The the intersection of research, education, and practice, the contributors consider the successes and limitations of



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2024-1-RS01-KA210-VET-000244168

		the organic movement agriculture. The first half of this book critically evaluates the agricultural production of both plants and livestock in organic farming systems. All major aspects of organic farming are explored, including the historical background and basic principles, fertility management soil, crop and animal production, strategies for propagation and crop protection. This global and comprehensive review also covers economic, social and the political aspects of organic farming. These include economics and marketing; standards and certification; environmental impacts and social responsibility; and research, education and advisory counseling. The book is a unique and timely international science-based work that documents current practices in organic farming agriculture and assesses their strengths and weaknesses. For more than two decades, research on organic methods by leading scientists have generated a wealth of information that is now can be integrated and used to assess the real-world impacts of organic farming across a wide range of disciplines. The knowledge of selected international experts is combined in one volume, providing a comprehensive overview of organic farming on a global scale.
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AgriTech Solutions: Innovative SOO to sustain agriculture

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2024-1-RS01-KA210-VET-000244168

		Researchers, teachers, agricultural advisors, students, primary producers and others around the world who are interested in sustainable agriculture will consider this book a valuable and reliable resource.
22	Organic Farming Everything You Need to Know – book Author Peter W. Fossell https://www.nhbs.com/organic-farming-book-2	Packed with tips and tricks on everything from crops and rotations to marketing and mechanization, American organic farmer Peter W. Fossell offers the reader a refreshing break from the usual dry language of agricultural textbooks. Written primarily for an American audience, this full-color text is still relevant to the British farmer or grower.
23	The Organic Farming Manual: A Comprehensive Guide to Starting and Running a Certified Organic Farm Author Ann Larkin Hansen	The book provides expert advice on land maintenance, animal care and necessary equipment, and also covers the complex process of acquisition organic certification and other business aspects important for profitable operation. Through the contents of the book can be discover the rewarding satisfaction of running a successful and sustainable organic farm.
24	<i>Organic farming, a sustainable agricultural system</i> Author Raoul Adamchak https://www.britannica.com/topic/organic-farming	<i>Organic farming, a sustainable agricultural system</i> that uses ecologically based pest control and biological fertilizers derived mainly from animal and vegetable..
25	Farmers of Forty Centuries by Franklin Hiram King (1911)	A classic work on traditional agriculture in Asia, without chemical fertilizers, with longitudinal control of fertility.
26	ORGANIC FARMING AND CLIMATE CHANGE: Literature Review Synthesis and Perspectives Author: Michalis Omirou	Renewal of organic agriculture and its products in the context of mitigation strategies climate change



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2024-1-RS01-KA210-VET-000244168

	http://organikolife.com/wp-content/uploads/2016/04/12-Literature-review-with-regards-to-environmental-aspects_ARI-deliverable.pdf	
27	The One-Straw Revolution by Masanobu Fukuoka (1975)	Philosophical and practical a manual for minimal intervention, no plowing and maintaining the natural system.
28	Organic Farming Practices and their Impact on Soil Health: Advancing Environmental Sustainability in India A Systematic Literature Review <i>International Journal of Sustainable Development OIDA</i> , 18 (06), 37-52, 2025. https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5194648	Organic farming practices and their impact on soil health: Promoting Environmental sustainability in India Systematic literature review
29	An Agricultural Testament by Sir Albert Howard (1940)	A classic management paper soil fertility and Composting as the basis of sustainable production.
30	The Living Soil by Lady Eve Balfour (1943)	The first formal study comparing organic and chemical farming (Haughley Experiment).
31	"IFOAM – Principles of Organic Agriculture" (IFOAM Organics International)	Basic principles of organic farming: health, ecology, fairness and care. Basis for all standards and practices in organic production.
32	"Organic Agriculture: A Global Perspective" – Paul Kristiansen et al.	Analysis of global practices and trends in organic agriculture. Covers economic, environmental and social aspects aspects.
33	"The Organic Farming Manual" – Ann Larkin Hansen	A practical guide for beginners. Description of certification processes, crop selection, organic plant protection and market access.
34	"Organic Crop Production: Management Tools and Techniques" – USDA (United States Department of Agriculture)	A guide to managing organic plant production. Explains rotation, cover crops, natural fertilizers and weed control of pests.
35	. "Introduction to Organic Farming" – Soil Association (UK)	An accessible introduction to organic farming with practical recommendations, especially for small producers. Also available as PDF



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AgriTech Solutions: Innovative SSO for Sustainable Agriculture

2024-1-RS01-KA210-VET-000244168

36	"EU Organic Farming Regulation" – European Commission	EU legal framework and regulations for organic production, labeling, certification and inspection. Especially important for exporters.
37	"Organic Agriculture and Food Security" – FAO, 2007	Research showing how organic farming can contributed to security in nutrition, especially in developing countries
38	"Organic Farming: Everything You Need to Know" – Gaia Education	An educational module covering the basics of soil health, synthetic-free production, and ecological agricultural design systems
39	. "Organic Agriculture in the Republic of North Macedonia" – UNEP/GEF Project Report	Analysis of the situation with organic agriculture in Macedonia, with recommendations for policy, support for manufacturers and market development.
40	"Manual for Organic Farming in the Western Balkans" – GIZ (Deutsche Gesellschaft für Internationale Zusammenarbeit)	A regional guide to organic farming with local examples. Includes tips on certification and marketing.
41	Internal script for Organic Production https://eprints.ugd.edu.mk/pdf http://e-lib.ugd.edu.mk/676	Internal lecture notes of Prof. Dr. Ljupčo Mihajlov, Faculty of Agriculture - Shtip ORGANIC AGRICULTURAL PRODUCTION - ORGANIZATION, CROP ROTATION AND CERTIFICATION
42	Organic farming https://mk.wikipedia.org/	Organic farming (also known as organic production) is an alternative agricultural system that originated since the beginning of the 20th century in response to rapidly changing agricultural practices. Organic farming continues to develop from side of various organic agricultural organizations today. It relies on organic fertilizers such as compost, manure, and bone meal and emphasizes crop rotation and companion planting techniques. It also encourages



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AgriTech Solutions: Innovative SSO for Sustainable Agriculture
2024-1-RS01-KA210-VET-000244168

		biological pest control, mixed cutting and inducing insect predators. In general, organic standards are designed to use substances that enable occur naturally while synthetic substances are simultaneously banned or severely restricted. on Reasons for advocating organic farming include advantages in sustainability, openness, self-sufficiency, and , ality, autonomy / independence health, security, h of food and food storage.
43	Organic farming and good agricultural practices apply different production methods https://agrojunikom.com.mk/organic-agriculture/	Organic farming and good agricultural practices are applied different production methods. Unlike organic farming, good agricultural practices in are used synthetic chemical inputs. Regarding all plant protection products, including hormones, pesticides and synthetic fertilizers. Although they have many common aspects, such as the ban on for genetic modified organisms, traceability, welfare on the animals, control and certification. Because of these chemical inputs, the effects of good agricultural products on human health, soil, Water resources and nature cannot be compared to organic agricultural products. "Organic farming", which is defined by various words such as biological, ecological and bio. All this was born as an alternative method to overcome the negative effects of the increased use of chemical fertilizers and pesticides on for





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AgriTech Solutions: Innovative SOO to sustain agriculture
AgriTech Solutions: Innovative SSO for Sustainable Agriculture
2024-1-RS01-KA210-VET-000244168

		agricultural and human health and commercial problems. In English-speaking countries, the term Organic Agriculture için is used for agricultural methods in which They apply the ecological principles in production, and in many other countries the equivalents of eco-ecological farming kendi are used in their native language. To produce healthy products without compromising the natural balance, production controlled by The certification process and organic production is called organic production. The products obtained in this way are called organic production with a preference for natural methods. Organic farming applies in accordance with the following basic principles. – No synthetic chemicals are used in production. – Use of biotechnical, biological and mechanical methods for disease control and pest control pests. – Use only natural substances to improve fertility on the soil. – To be agricultural production without causing depletion of natural resources resources. Since the beginning of the 20th century, a philosophy of environmental protection has begun to form. Then the protection of natural resources and leaving a clean world for future generations without destroying natural resources. As usage increases on synthetic chemicals such as
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2024-1-RS01-KA210-VET-000244168

		fertilizers and pesticides, the trend towards organic farming has begun to growing. Although ^{however} considers for a new one The organic farming system is the oldest agricultural model in the world. Since the use of incorrect and excessive chemical fertilizers began after World War II, other words, war. Organic farming, which is presented as new, is a method been applied until recently. that has Both the increase in the use of chemical fertilizers and the erosion of natural resources caused from the innovations brought by technological on development of agricultural techniques began to represent human danger for and animal health, and organic farming has come back to the agenda as a trend towards old ones. With the development of the organic farming sector, countries need to make legal arrangements and enact laws for organic agriculture. Regarding the production, processing and trade of organic agricultural products. These legal regulations have provisions on what organic farming is, how it is done, how it is processed, and organic products are sold. In this regard, organic farming has also become a good example of sustainable agriculture.
44	Organic farming - publication http://publications.europa.eu/resource/genpub/	This publication is an information document dedicated to manufacturers, processors and retailers of organic agricultural products
45	<u>Educational event – "Advanced techniques for growing and organic almond production"</u>	<u>Educational event – "Advanced cultivation techniques and</u>



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2024-1-RS01-KA210-VET-000244168

	https://agrotim.mk/rubrika/organic-production/	<u>organic production</u> <u>almonds"</u> Irrigation in organic production How to make liquid organic fertilizer from nettles
46	Useful facts about organic agricultural production https://www.fpopm.com/indexe.php	Useful facts about organic agricultural production
47	Organic Agricultural Control and Quality Certification https://1. www.sciencetr.com/mk/belgelendirmes	Organic agricultural control and quality certification
48	Status and development of organic production in the Western Balkans https://seerural.org/wp-content/uploads/2023/02/3.-State-of-Art-in-Organic-Agriculture.pdf	Status and development of organic production in the Western Balkans
49	Principles of organic farming https://www.sertifikasyon.net/mk/detay/organik-tarim-ilkeleri/	Principles of organic farming
50	Benefits of organic farming https://www.sciencetr.com/mk/belgelendirme/tarimsal-urun-belgelendirme/organik-tarim/organik-tarim-in-faydalari	Benefits of organic farming
51	Organic agricultural production, organization, crop rotation and certification Vasko Zlatkovski	A textbook that explains the principles of organic farming production, crop rotation in organic production and examples of farm data management forms for plant and animal production organic production.
52	Manual for organic agricultural production Elizabeta Angeleska, Igor Nikolov and Mome Davidovski	Handbook on Principles of organic production in plant and animal production
53	NATIONAL STRATEGY WITH ACTION PLAN FOR ORGANIC AGRICULTURE OF THE REPUBLIC OF MACEDONIA-MAFWE	National strategy on how to increase organic agriculture in Macedonia, strengthen cooperation between stakeholders operating in that sector, to increase knowledge about organic farming among producers and consumers, as well as to create knowledge that will work



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2024-1-RS01-KA210-VET-000244168

		the future development of organic agriculture in Macedonia. How to increase the promotion and sales of organic agricultural products products like the domestic one as well as in foreign markets, and to provide consumers with clean and healthy food. A publication that contains
54	Organic production A guide to support opportunities for organic producers in Europe	information for every farmer who wants to included in the European program for organic production, but also how to meet the requirements for organic production and to be certified as organic manufacturer in accordance with the rules set out in the Council Regulation.
55	LAW ON ORGANIC AGRICULTURAL PRODUCTION Editorially revised text	General provisions, objectives and principles of organic production in RSM, types, rules and organic procedures production.
56	ORGANIC PRODUCTION (INTERNAL LECTURE SCRIPT) Prof. Dr. Ljupcho Mihajlov UNIVERSITY "GOCE DELCHEV" – Faculty of Agriculture – Stip Department of Plant Production	A textbook that does not introduce the basics of organic production, the development of organic production in our country and the situation with organic plant production. The textbook also explains the general principles the plant organic production.



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