

ISOFAR - poster presentations

Guided poster tours on Thursday, 19 June from 2:30 - 4 pm

Meeting point:

Conference tent at: Parco di Piazza D'Armi Novi Sad
Ingresso area poster (see plan below)

Thematic areas:

- I: Soil organic matter management (10)
- II: Nutrient management (10)
- III: Soil fertility in Mediterranean organic farming systems (11)
- IV: Cropping systems (9)
- V: Green manures, pulses and tillage systems (7)
- VI: Effect of crop management on weeds, pests and diseases (9)
- VII: Direct and cultural control of pests and diseases - 1 (8)
- VIII: Direct and cultural control of pests and diseases - 2 (9)
- IX: Organic crop husbandry (9)
- X: Organic crop production in the tropics (8)
- XI: Organic vegetable production (8)
- XII: Welfare indicators and welfare promotion of organic animals (10)
- XIII: Handling of animal welfare and disease challenges (9)
- XIV: Organic ruminant feeding (6)
- XV: Agripolicy, farm - economics and certification (10)
- XVI: Organic sector relationships (10)
- XVII Consumers and marketing (7)
- XVIII Energy and Ecology (10)
- XIX: Food quality - 1 (7)
- XX: Food quality - 2 (7)

I: Soil organic matter management (10)

Chair:

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A New Approach to Humus Balancing in Organic Farming
Brock, C., Hoyer, U., Leithold, G. & Hülsbergen, K.-J.

A - 78

Soil quality indicators in organic and conventional farming systems in Slovakia
Lehocka, Z., Klimekova, M. & Bielikova, M.

A- 79

The importance of amino-N for humus formation studied by comparing amino-N input to the soil and soil total nitrogen content in long-term experiments
Schuler, Ch., Raupp, J. & George, E.

A - 80

Changes in light fraction soil organic matter and in organic carbon and nitrogen in compost amended soils
Owen, J., Lynch, D. & Fillmore, S.A.E.

B - 81

Effects of organic matter input on soil microbial properties and crop yields in conventional and organic cropping systems
Chirinda, N., Olesen, J.E. & Porter, J.R.

B - 82

The Potential Role of Organic Soil Fertility Management in the Kenya Highlands
Bett, K.E., Freyer, B. & Leonhartsberger, P.

B - 83

Potential of Oil Palm Empty Fruit Bunch (EFB) as Fertilizer in Oil Palm (*Elaeis guineensis* L Jacq.) Nurseries
AdeOluwa, O.O. & Adeoye, G.O.

B - 84

Use of a mixture of biotite- and apatite-rich rock powder in a soil with inherent low soil fertility
Bleken, M.A., Krogstad, T., Speetjens, K. & Heim, M.

B - 85

Soil Fertility and Biodiversity effects from Organic Amendments in Organic Farming
Zanen, M., Bokhorst, J.G. & Koopmans, C.J.

B - 86

The effects of different cattle manure levels and branch management methods on organic production of *Cucurbita pepo* L.
Jahan, M., Koocheki, A., Nassiri, M. & Dehghanipur, F.

II: Nutrient management (10)

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Inoculation affects nitrogen balances of composts and growth, yield and microflora of *Phaseolus* beans
Sangakkara, U.R., Weerasekera, D.N., Attanayake, K.B. & Attanayake, A M U.

D - 92

Mineral nitrogen in the course of a cash crop and two livestock rotations - first results from the long-term monitoring Trenthorst
Schaub, D., Paulsen, H.M., Böhm, H. & Rahmann, G.

D - 93

Autumn sown catch crop understoreys as strategy to reduce nitrate leaching in winter cereals
Loges, R., Mauscherling, I., & Taube, F.

D - 94

Economic aspects of the application of different organic materials as N-sources in organic production of lettuce
Čabilovski, R., Manojlović, M., Bogdanović, D. & Bavec, M.

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Element composition and quality of lettuce (*Lactuca sativa* var. Biwari), grown with sheep-manure composts
Radics, L., Pusztai, P., Biró, B., Biró, Zs., Németh, T. & Monori, I.

E - 96

Influence of organic farming on arbuscular mycorrhizal fungal populations in a Mediterranean agro-ecosystem.
Bedini, S., Cristani, C., Avio, L., Sbrana, C., Turrini, A. & Giovannetti, M.

E -97

Biological profitability of maize inoculation with selected rhizosphere micro organisms (*Pseudomonas fluorescens* and *Glomus intraradices*) under Water Deficit Stress
Aghaalkhani M. & Ehteshami S.M.R.

E -98

Role of forage legumes mixed cropping on biomass yield and bacterial community composition
Zarea, M.J., Ghalavand, A & Jamshidi, E.

E - 99

Mycorrhization of winter wheat cultivars in organic farming

Friedel, J.K., Jakupaj, S., Gollner, M., Hrbek, R., Flamm, C., Oberforster, M., Zechner, E., Kinastberger, A. & Löschenberger, F.

E - 100

Preliminary Findings on the Arbuscular Mycorrhizal Colonization of Organic Wheat

Kirk, A., Fox, S., Entz, M. & Tenuta, M.

III: Soil fertility in Mediterranean organic farming systems (11)

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The effect of green manure on root development and cotton yield under Mediterranean conditions

Thomopoulos, P., Bilalis, D., Konstantas, A. & Efthimiadou, A.

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Quality assessment of citrus-processing industry waste compost for organic and conventional farming

Ciaccia, C., Di Bartolomeo, E., Calabretta M.L., Intrigliolo, F., Tittarelli, F. & Canali, S.

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Controlling insect pests of stored organic chamomile by controlled atmospheres

Hashem, M. Y.

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Inorganic nitrogen in soil green manured with biocidal crops

Marchetti, R., Casadei, N., Marino, A. & Sghedoni, L.

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Annual self-reseeding legumes effect on subsequent crops into a rotation program in Mediterranean organic farming systems

Al-Bitar, L., Wehbé, E., Ayoub, M. & Jamea, M.

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Variety Recommended Lists of Organic Cereals in Emilia-Romagna

Piazza, C., Foutry H., Reggiani R, Poli M. & Bolognesi S.

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Innovative crop and weed management strategies for organic spinach: crop yield and weed suppression

Bàrberi, P., Bigongiali, F., Antichi D., Carlesi, S., Fontanelli, M., Fiasconi, C. & Lulli, L.

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Innovative crop and weed management strategies in organic spinach: machine performances and cultivation costs

Fontanelli, M., Frascioni, C., Lulli, L., Antichi, D., Bigongiali, F., Carlesi, S., Bàrberi, P. & Peruzzi, A.

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Physical Weed Control in Organic Carrot in Sicily (Italy)

Peruzzi, A., Raffaelli, M., Fontanelli, M., Frascioni, C., Ginanni, M. & Lulli, L.

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Innovative Mechanization of Garlic in Vessalico (North Italy)

Peruzzi, A., Raffaelli, M., Fontanelli, M., Frascioni C., Lulli L., & Ginanni, M.

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Innovative strategies for physical weed control on processing tomato in the Serchio Valley (Central Italy)

Peruzzi, A., Raffaelli, M., Ginanni, L., Lulli, L., Frascioni, C. & Fontanelli, M.

IV: Cropping systems (9)

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Experiences with intercropping design – a survey about pulse cereal-combinations in Europe
von Fragstein und Niemsdorff, P., Trydeman Knudsen, M. · Gooding, M.J., Dibet, A. & Monti, M.

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Growing rapeseed in mixed cropping with cereals
Paulsen, H. M.

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Evaluation of Crop Rotation on Organic Farms in Northern Serbia
Seremesic, S., Milosev, D. & Manojlovic, M.

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Effect of two Oat–legumes intercrop systems on weed flora under Mediterranean conditions
Bilalis, D., Konstantas, A., Efthimiadou A., Papatheohari Y. & Kakampouki, I.

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Intercropping of oilseeds and faba beans
Kießling, D. & Köpke, U.

J -122

A comparison of organically and conventionally grown vegetable crops: results from a 4-year field experiment
Tabaglio, V., Gavazzi, C. & Nervo, G.

K - 123

Comparative dynamics of tea (*Camellia sinensis* L.) roots under organic and conventional management systems with special reference to water use.
Mohotti, A. J., Damayanthi, M.M.N., Anandacoomaraswamy, A. & Mohotti, K.M

K - 124

Effects of arbuscular mycorrhizal fungi and free-living nitrogen- fixing bacteria on growth characteristics of corn (*Zea mays* L.) under organic and conventional cropping systems
Koocheki, A., Jahan, M. & Nassiri Mahallati, M.

K -125

Cropping Intensity and Organic Amendments in Transitional Farming Systems: Effects on Soil Fertility, Weeds, Diseases and Insects
Wander, M., Eastman, C., Zaborski, E., Eastburn, D., Masiunas, J., Engiseth, N. Ugarte, C., Marzano, S.-Y. & Rosa, I.

V: Green manures, pulses and tillage systems (7)

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Effects of reduced tillage on soil organic carbon and microbial activity in a clayey soil
Berner, A., Fließbach, A., Nietlisbach, B. & Mäder, P.

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A new approach to soil tillage for organic vegetable production: permanent beds
Védie, H., Berry, D., Leclerc, B., Grébert, D. & Lhôte, J.M.

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Contribution of N from frequently chopped green manure to a succeeding crop of barley
Frøseth, R.B., Hansen, S. & Bakken, A.K.

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Potentially mineralizable nitrogen in soils green manured with biocidal crops
Marchetti, R., Lazzeri, L., Malaguti, L., Orsi, A., & Ponzoni, G.

M - 131

Agronomic performance of annual self-reseeding legumes and their self-establishment potential in the Apulia region of Italy
Driouech, N., Abou Fayad, F., Ghanem, A. & Al-Bitar, L.

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Performance of grain legume crops in organic farms of central Italy
Migliorini, P., Tavoletti, S., Moschini, V. & Iommarini, L.

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Influence of intercropping and irrigation frequencies on leaf development and taro (*Cocoyam*) productivity under organic management
Silva, E.E. da, Azevedo, P.H.S de, Almeida, M.M.T.B., De-Polli, H. & Guerra, J.G.M.

VI: Effect of crop management on weeds, pests and diseases (9)

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Effects of crop management factors and the environment on pest and disease incidence in vegetables
Cooper, J.M., Schmidt, C.S., Lueck, L., Shotton, P.N., & Leifert, C.

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Effects of Conservation Tillage on Canada Thistle (*Cirsium arvense*) in Organic Farming
Gruber, S. & Claupein, W.

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Monitoring of click beetles (*Agriotes lineatus* and *A. obscurus*) in organically managed farms in Northern Germany
Böhm, H., Koppe, W. & Dreyer, W.

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Monitoring *Agriotes lineatus* and *A. obscurus* in organic production using pheromone traps
Sufyan, M., Neuhoff, D. & Köpke, U.

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The effect of companion plants on *Lygus* feeding damage to bean
Szafirowska, A. & Kolosowski, S.

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Effects of *Trichoderma* applications on vines grown in organic nursery
Di Marco, S. & Osti, F.

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Efficacy evaluation of copper formulations for the control of lettuce downy mildew (*Bremia lactucae*)
Gengotti, S., Tommasini, M.G., Antoniaci, L. & Bugiani, R.

N - 141

Evaluation of natural active ingredients and agronomical techniques against flea beetle (*Phyllotreta* spp.) on open field organic garden rocket (*Eruca sativa*)
Gengotti, S. & Tommasini, M.G.

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The use of copper seed treatments to control potato late blight in organic farming
Keil, S., Benker, M. & Zellner, M.

VII: Direct and cultural control of pests and diseases - 1 (8)

Chair:

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Efficacy of biological insecticides to control the Colorado potato beetle (*Leptinotarsa decemlineata*) in organic farming
Kühne, S., Reelfs, T., Ellmer, F., Moll, E., Kleinhenz, B. & Gemmer, C.

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Effects of *Trichoderma harzianum* applications on fresh pruning wounds in *Actinidia deliciosa* for the protection against pathogens associated with the "wood decay" of kiwifruit
Neri, L., Baraldi, R., Osti, F. & Di Marco, S.

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Weed Control in Organic Onion
Piazza, C. & Conti, M.

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The use of organic certified compost to control soilborne diseases caused by *Phytophthora* spp.
Pugliese, M., Gullino, M.L. & Garibaldi, A.

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Investigations on the efficacy of different products for the control of *Stephanitis pyri* in an organic pear orchard during the two-year period 2004-'05
Vergnani, S. & Caruso, S.

AD - 216

Efficacy of *Cydia Pomonella* granulosis virus (cpgv) in controlling codling moth in the Emilia-Romagna region
Vergnani, S., Caruso, S., Boselli, M. & Pasqualini, E.

AD - 217

Yielding and Selected Leaf Diseases of Old Winter Wheat Cultivars in the Organic System
Stalenga, J. & Jończyk, K.

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Biological control of kiwifruit and tomato bacterial pathogens
Balestra, G.M., Rossetti, A. & Quattrucci, A.

VIII: Direct and cultural control of pests and diseases - 2 (9)

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The effect of *Avena sterilis* L. invasion on weed abundance and diversity in conventional and organic cereal fields in the Mediterranean region

Armengot, L., José María, L., Chamorro, L., Romero, A. & Sans, F.X.

AD -220

Efficacy Evaluation of Some Copper Formulations for the Control of Grapevine Downy Mildew with Low Dose Applications

Bortolotti, P.P., Nannini, R., Scannavini, M., Antoniaci, L. & Bugiani, R.

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Olive fly (*Bactrocera oleae*) activity, fruit infestation and temperature in an organic table olive orchard in southern Crete

Volakakis, N., Eyre, M.D., Kabourakis, E. & Leifert, C.

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Influence of *Vicia hirsuta* control with kainite on winter cereals

Lukashyk, P., Berg, M. & Köpke, U.

AE - 223

Efficacy of indigenous botanicals and bio-rationals in the management of cabbage pests in an organic farming system

Ssekyewa, C., Mwine, J. ¹, Kalanzi, F. ¹ & Kudamba, C.

AE - 224

Laboratory Studies of the Activity of Spinosad against *Leptinotarsa decemlineata* (Say) Depending on Different Temperature

Kowalska, J.

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Plant Health and the Science of Pests and Diseases

Boff, M.I.C., Gonçalves, P.A.S. & Boff, P.

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Soil Fumigation with Allium Sulfur Volatiles and Allium By-Products

Arnault, I., Vey, F., Fleurance, C., Nabil, H. & Auger, J.

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Pest and Disease Management of Potato Crops with Homeopathic Preparations and Germplasm Variability

Boff, P., Madruga, E., Zanelato, M. & Boff, M.I.C.

IX: Organic crop husbandry (9)

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Sustainability assessment of wheat production using Emergy

Coppola, F., Haugaard-Nielsen, H., Bastianoni, S. & Østergård, H.

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Effect of Biofertilizers on Agronomic Criteria of Hyssop (*Hyssopus officinalis*)

Tabrizi, L., Koocheki, A. & Ghorbani, R.

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Comparison of Different Intercropping Arrangements of Cumin (*Cuminum cyminum*) and Lentil (*Lens culinaris*)

Jahani, M., Koocheki, A. & Nassri Mahalati, M.

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Yield and quality of organic versus conventional potato crop

Mourão, I., Brito, L.M. & Coutinho J.

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Quality of thyme herb (*Thymus vulgaris* L.) from organic cultivation.

Seidler-Łożykowska, K., Golcz, A., Kozik, E. & Wójcik, J.

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Amaranth farming: Rural sustainable livelihood of the future?

Bjarklev, A., Kjær, T. & Kjærgård, B.

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Wheat trials networks for determining characters for organic breeding

Rolland, B., Al Rifai, M., Bataillon, P., Fontaine, L., Gardet, O. & Oury, F.X.

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Differences between spring wheat cultivars in susceptibility to Fusarium caused seedling blight

Timmermans, B.G.H. & Osman, A.M.

P - 151

Does Wheat Cultivar Choice Affect Crop Quality and Soil Microbial Communities in Cropping Systems?

Nelson, A., Frick, B., Clapperton, J., Quideau, S. & Spaner, D.

X: Organic crop production in the tropics (8)

Chair:

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Promotion of Organic Vegetable Production through Farmers' Field School in Chitwan, Nepal
Rana Bhat, B. & Ghimire, R.

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Population Density and Distance to Market Does not Influence the Farmers' Use of Organic Manure
Olayide, O., Alene, A., Ikpi, A. & Nziguheba, G.

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Organization of a Sustainable Agroforestry Model for Small Farmers in the Montes de Oro Region, Puntarenas, Costa Rica
Blanco-Metzler, H. & Diaz Porras, A.

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Study the effects of conventional and low input production system on quantitative and qualitative yield of *Silybum marianum* L.
Haj Seyed Hadi, M., Darzi, M. & Sharifi Ashoorabadi, E.

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Integrating pigeonpea in maize based farming systems may increase food production and alleviate poverty
Høgh-Jensen, H., Odgaard, R., Myaka, F.A., Sakala, W.D., Adu-Gyamfi, J.J. & Vesterager, J.M.

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Plant Products as Biopesticides: Building On Traditional Knowledge Of Vrکشayurveda: Traditional Indian Plant Science
Balasubramanian, A.V., Arumugasamy, S., Vijayalakshmi, K. & Sridhar, S.

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Use of Tharu Ethnobotanical Knowledge for Organic Insect Pests Management of *Cucurbita pepo* L. cv. 'zucchini'
Rana Bhat, B.

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Green manuring for tropical organic cropping – A comparative analysis
Sangakkara, U.R., Weerasekera, D.N. & Freyer, B.

XI: Organic vegetable production (8)

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Effects of shading on root and shoot development of melon (*Cucurbita pepo*) transplants in conventional and organic float system nurseries
Bilalis, D., Kanatas, P. & Konstantas, A.

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Crop protection and soil fertility in organic okra cultivation in Mauritius
Facknath, S. & Hurree, B.

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Research Needs in Organic Vegetable Production Systems in Tropical Countries With a Focus on Asia
Juroszek, P. & Tsai, H.H.

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"Aurora Tropical": a model of Ecological Horticulture, Case studies of 11 Onion and Shallot cultivars
Ramirez-Guerrero, H., Moyeja-Guerrero, J., Gonzalez-Casamayor, P., Renaud-Rodriguez, D., Paz-Leon, R., Lugo-Gonzalez, J., & Anzalone-Graci, A

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Change in the weed seed bank during the first four years of a five-course crop rotation with organically grown vegetables
Sjursen, H., Brandsæter, L.O. & Seljåsen, R.

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Changes in mineral content and CO₂ release from organic greenhouse soils incubated under two different temperatures and moisture conditions
Pepin, S., Dorais, M., Gruyer, N. & Ménard, C.

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Plant traits affecting thrips resistance in cabbage
Voorrips, R.E., Steenhuis-Broers, G., Tiemens-Hulscher, M. & Lammerts van Bueren, E.T.

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Increasing Cultivar Diversity of Processing Tomato under Large Scale Organic Production in California
Barrios Masias, F., & Jackson, L.

XII: Welfare indicators and welfare promotion of organic animals (10)

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Development of animal health and welfare planning in organic dairy farming in Europe

Vaerst, M., Leeb, C., Nicholas, P., Roderick, S., Smolders, G., Walkenhorst, M., Brinkman, J., March, S., Stöger, E., Gratzner, E., Winckler, C., Lund, V., Henriksen, B.I.F., Hansen, B., Neale, M. & Whistance, L.K.

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Knowledge Transfer in the Animal Health Planning Process: Putting Research into Practice

Roderick, S., Ellis, K. & Bassett, A.

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Effects of different stocking rates with dairy cows on herbage quality and milk production in organic farming

Schori, F.

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Broilers welfare, health and production in organic and conventional systems

Ferrante, V., Baroli, D., Lolli, S. & Di Mauro, F.

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Veterinary treatment in organic husbandry

Koopmann, R., Ganter, M. & Link, M.

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Principles and practicality of organic dairy cattle breeding: different options and implications

Nauta, W.J. & Roep, D.

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Livestock Production Practices of Registered Organic Farmers in Uttarakhand State of India

Subrahmanyeswari, B. & Chander, M.

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Dry cow therapy in an organic dairy herd of a milk and a dual purpose breed

Barth, K.

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Incidence of anthelmintic resistance in cattle farms in Northern Germany – first results

Kleinschmidt, N., Samson-Himmelstjerna, G. von, Demeler, J. & Koopmann, R.

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Effects of red clover and maize silages on the carriage of gut pathogens in steers

Marley, C.L., Scott, M.B., Bakewell, E.L., Leemans, D.K., Sanderson, R. & Davies, D.R.

XIII: Handling of animal welfare and disease challenges (9)

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Experiences of Veterinarians Using Acupuncture on Farm Animals

Trei, G., Brandt, B. & Hörning, B.

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Growth performance of broilers fed with different strains of probiotics

Tarun, M.

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Towards loose housing in Swedish organic dairy production

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Excreting behaviour of pigs from organic housing systems in relation to ammonia emission

Ivanova-Peneva, S.G., Aarnink, A.J.A. & Verstegen, M.W.A.

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Profitability of Sow husbandry in organic farming– Performance and construction costs for group housing of lactating sows

Lange, K. & Möller, D.

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Relationships between sow and piglet traits in organic production outdoors and indoors

Wallenbeck, A. & Rydhmer, L.

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Effects of silage or probiotics on performance and gut microbial composition of organic growing-finishing pigs

Nagel, P., Domig, K. J., Hagmüller, W., Pfalz, S., Kronsteiner, S., Ortner, B., Sundrum, A. & Zollitsch, W.

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Prolonged suckling period in organic piglet production – effects on selected immunological parameters

Ahrens, F., Pollmüller, T., Sünkel, Y., Bussemas, R., Weissmann, F. & Erhard, M. H.

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Antimicrobial effect of dietary nitrate in weaning piglets challenged or not with *Salmonella enterica* serovar typhimurium

Modesto, M., D'Amico, M.R., Stefanini, I., Mazzoni, M., Bosi, P. & Biavati, B.

XIV: Organic ruminant feeding (6)

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Rearing improvement in organic Maremmana beef production: "in vivo" performance and carcass characteristics.
Pauselli, M., Mele, M., Morbidini, L., Cozza, F. & Pollicardo, A.

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Indigenous sheep breeds in organic livestock production in karst areas of Croatia
Radin, L., Šimpraga, M., Vojta, A., Marinculić, A.

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Comparison of Organic and Conventional Beef-Suckler Farms in Germany
Hörning, B., Feige, M. & Dollinger, J.

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Use of grass and red clover silage mixtures for milk production and whole-body N partitioning by dairy cows
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Effects of mixing red clover and maize silages on milk production and whole-body N partitioning in dairy cows
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Quality of organically grown protein crops in Norway for livestock concentrates – limited N and S supplementation
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XV: Agripolicy, farm - economics and certification (10)

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Public support for organic food and Production, Promotion and Action Plans in Spain
González, V. & Moreno, J.L.

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Development of criteria and procedures for the evaluation of the European Action Plan of Organic Food and Farming
Schmid, O., Lampkin, N., Jeffreys, I., Dabbert, S., Eichert, C., Michelsen, J., Zanoli, R. and Vairo, D., Gonzalez, V.

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iPOPY – innovative Public Organic food Procurement for Youth. School meals – and more!
Løes, A.K., Nølting, B., Kristensen, N.H., Spigarolo, R., Strassner, C., Roos, G., Mikkola, M. & Mikkelsen, B.E.

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The Impact of Labor and Hiring Decisions on the Performance of U.S. Organic Farms
Lohr, L. & Park, T.A.

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An integrated approach project for the revaluation of a traditional sourdough bread production chain
Piazza, C., Giudici, P., Corbellino, M., Gianinetti, A., Morcia, C. & Terzi, V.

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The impact of mycorrhizal symbiosis on tomato fruit quality
Salvioli, A., Novero M., Lacourt, I. & Bonfante, P.

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The institutionalization of Participatory Guarantee Systems (PGS) in Brazil: organic and fair trade initiatives
Fonseca, M.F. de A.C., Wilkinson, J., Egelyng, H. & Mascarenhas, G.C.C.

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CERTCOST – Economic Analysis of Certification Systems for Organic Food and Farming at EU level
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IFOAM principles in the light of different ethical concepts
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How do farmers research and learn? The example of organic farmers' experiments and innovations: A research concept
Kummer, S., Ninio, R., Leitgeb, F. & Vogl, C.R.

XVI: Organic sector relationships (10)

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Factors Affecting Market Outlet Use by U.S. Organic Handlers
Oberholtzer, L., Dimitri, C. & Lohr, L.

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Opportunities for small organic shops despite the rise of organic supermarkets
Runge, S., Cornehl, M. & Häring, A.M.

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The German organic sector from the perspective of social-ecological research on agriculture and nutrition
Nölting, B.

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The Prospects of Organic Agriculture Development in the Chosen Regions of Poland – Podkarpace and Kurpie.
Kucińska, K., Pelc, J., Golba, J. & Popławska, A.

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