

## Intensive course (four days):

# Instruction on the production of Phytoponic Compost Substrate (PCS) and its refinement into Biocyclic Humus Soil under the conditions of biocyclic vegan cultivation.

BIOCYCLIC PARK, Kalamata/Greece, September 11-14,2023

### Monday, 11/09/2023

- 10:00 h Welcome at Biocyclic Park and tour of the compost site
- 11:00 h Introduction to the functioning of the network of licensed phytoponic composting plants "BIOCYCLIC PARKS INTERNATIONAL" as part of the International Biocyclic Humus Soil Initiative (IBHSI) and the terra plena Project
- 11:45 h *Setting up a compost pile (practical exercise)*
- 12:30 h Lunch break
- 13:15 h *Continuation of practical work*
- 14:15 h Basics for the selection of raw materials and their optimal composition
- 15:45 h *First turning of the freshly set compost windrow*
- 16:00 h Coffee break
- 16:15 h Technical equipment of a composting plant and calculation of the production capacity
- 18:00 h Return to the accommodation

Evening at free disposal

### Tuesday, 12/09/2023

- 09:00 h *Measure the temperature, CO2 content and moisture in the compost windrow, take samples and record the volume and weight of the material.*
- 10:00 h Collecting measurement data for central data management and monitoring the formation process of Biocyclic Humus Soil; possibilities of electronic data transfer for the planned compost management application "Wendealarm"; basics for calculating humus soil equivalents for the terra plena fund.
- 12:00 h Lunch break
- 12:45 h *Carrying out the press pot test*
- 14:00 h *Turning of the new compost windrow*

- 14:30 h *Loading of Phytoponic Compost Substrate (PCS) and its transport to a refinement site (Velika)*
- 15:00 h Departure to Velika
- 15:30 h *Arrival at Velika and unloading of the material for refinement*
- 16:00 h Planting windrows of PCS for Biocyclic Humus Soil refinement
- 18:00 h Return to the accommodation

Evening at free disposal

### **Wednesday, 13/09/2023**

- 09:00 h *Measure the temperature, CO<sub>2</sub> content and moisture in the compost windrow*
- 09:30 h Microbiological principles of the transformation of plant-based compost via phytoponic compost substrate to biocyclic humus soil
- 12:00 h Lunch break
- 12:45 h *Turning of the new PCS windrow*
- 13:30 h Designing a biocyclic vegan cultivation programme for humus soil refinement; Cultivation practices that enhance or counteract the transformation of Phytoponic Compost Substrate into Biocyclic Humus Soil; Introduction to the Biocyclic Vegan Standard
- 16:00 h Coffee break
- 16:15 h Characteristics and benefits of the use of PCS and Biocyclic Humus Soil in practice; Why Biocyclic Humus Soil is a catalysator and fertility booster and not a common fertilizer
- 18:00 h Return to the accommodation

Dinner in Kalamata

### **Thursday, 14/09/2023**

- 09:00 h *Measure the temperature, CO<sub>2</sub> content and moisture in the compost windrow*
- 09:30 h *Carrying out biochemical measurements to monitor the rotting process and compost quality*
- 11:00 h Parameters for determining the degree of maturity of biocyclic humus soil and their analysis
- 12:00 h Lunch break
- 12:45 h Investment requirements for setting up a phytoponic composting plant
- 13:30 h Economic parameters of compost production and its efficiency
- 14:15 h Tasks of a licensed composting plant ("incubator") as part of the terra plena fund
- 16:00 h Coffee break
- 16:15 h Final discussion and handing over of the qualification certificates.
- 18:00 h End of course

## Course Management

[BIOCYCLIC PARK](#) P.C., [Kalamata](#)/Greece

in cooperation with

- INTERNATIONAL BIOCYCLIC HUMUS SOIL ALLIANCE (IBHSA) EWIV, Roding/Germany
- BNS BIOCYCLIC NETWORK SERVICES LTD, Larnaca/Cyprus
- THE ROUTE OF THE OLIVE TREE, Kalamata/Greece

Speakers:

Dr. agr. Johannes Eisenbach

Dipl.-Ing. agr. Lydia Eisenbach, MSc

Dr. Britta Herzog

Konstantina Lymberi

## Participants

The course is designed for all those who...

- are interested in how to restore sustainable soil life.
- want to be part of the transformation process agriculture has to undergo to meet future needs in healthy nutrition for a growing world population.
- want to contribute to mitigating the consequences of exploiting nature's resources for centuries and to show new ways to maintain natural productivity and biodiversity.
- want to learn how plants grow in nature and how this knowledge can be transferred into agricultural production systems.
- want to provide high-quality organic matter to their fields or orchards and simultaneously avoid using chemical fertilizers or animal manure.
- want to acquire practical and theoretical skills in how to produce high-quality purely plant-based compost and Biocyclic Humus Soil.
- are eager to learn what is biocyclic vegan agriculture and what this has to do with Biocyclic Humus Soil.
- plan to set up a compost plant.
- wish to get rid of chemical fertilizers with all the negative impacts on soil, climate and environment.
- offer space and time for the refinement of Phytoponic Compost Substrate into Biocyclic Humus Soil.
- seek to allocate capital in a secure, profitable, ethical and future-oriented way in peace with nature and humans.
- want to be part of the future and take responsibility for how we should produce our food in accordance with the laws of Creation.

The course will be held in English with the possibility of simultaneous translation into German and Greek. All attendees will receive a **participation certificate** that qualifies them to become part of the International Biocyclic Humus Soil Initiative.

## How to reach Kalamata

Kalamata has an international airport (KLX) with many direct connections from and to many European countries.

Alternatively, you can also fly to Athens from where you can take a bus (4-5 hours ride from the Athens airport to Kalamata; about 40 euros per person) or you take a taxi (about 330 Euros up to 4 persons).

You can reach Kalamata also by car ferry boat from Italy via the port of Patras, from where you can take a bus (4 hours, about 40 euros) if you don't come in your own car.

You should arrive at the latest on September 10. The course will start on Monday morning at 10:00 am. Local time is Eastern European Summer Time (EEST).

## Attendance fee

The attendance fee for the course depends on the number of participants. The maximum number of participants is twelve. It is possible to offset the seminar fees in full or in part with voluntary working time at Biocyclic Park at the usual local daily rate including basic accommodation.

1 participant:	1000 € per person + free accommodation (Airbnb)
2 participants:	600 € per person + Accommodation
3 participants:	500 € per person + Accommodation
4 participants:	400 € per person + Accommodation
5 participants:	350 € per person + Accommodation
6 participants:	300 € per person + Accommodation
7-12 participants:	280 € per person + Accommodation

The deadline for applications is **September 1, 2023**.

### Green List Agricultural Inputs



### Green Compass Technical Support



### Green Knowledge Education



## Suggestions for Accommodation

**Guest house** of the UNESCO-acknowledged cultural organization The Routes of the Olive Tree (18 minutes from BIOCYCLIC PARK)

<https://www.facebook.com/OliveTreeRoutes/>

(45 EUR per room, 3 rooms available (1 x 1 bed; 1 x 3 beds; 1 x 4 beds))

### Hotels in Kalamata

(approx. 14 minutes from BIOCYCLIC PARK)

[https://www.booking.com/searchresults.en-gb.html?label=gen173nr-1FCAEoggl46AdIM1gEaFyIAQGyAQi4ARfIAQ\\_YAQHoAQH4AQyIAgGoAgO4Aozi\\_aYGwAIB0gIkYTJIZTUyMjYtY2UyNi00MmYwLWlxNzktMzYyYTA4OWI5ODcx2AIG4AIB&sid=3a4573437942680c5d8ceec99b8ea160&aid=304142&checkin=2023-09-10&checkout=2023-09-15&dest\\_id=818342&dest\\_type=city&srpvid=ccc465c8c01103f3&track\\_hp\\_back\\_button=1&order=popularity&nflt=ht\\_id%3D204](https://www.booking.com/searchresults.en-gb.html?label=gen173nr-1FCAEoggl46AdIM1gEaFyIAQGyAQi4ARfIAQ_YAQHoAQH4AQyIAgGoAgO4Aozi_aYGwAIB0gIkYTJIZTUyMjYtY2UyNi00MmYwLWlxNzktMzYyYTA4OWI5ODcx2AIG4AIB&sid=3a4573437942680c5d8ceec99b8ea160&aid=304142&checkin=2023-09-10&checkout=2023-09-15&dest_id=818342&dest_type=city&srpvid=ccc465c8c01103f3&track_hp_back_button=1&order=popularity&nflt=ht_id%3D204)

### Airbnb in nearby villages

(9 minutes from BIOCYCLIC PARK)

[https://www.airbnb.ie/s/Ethea-%CE%95%CE%BB%CE%BB%CE%AC%CE%B4%CE%B1/homes?tab\\_id=home\\_tab&refinement\\_paths%5B%5D=%2Fhomes&flexible\\_trip\\_lengths%5B%5D=one\\_week&monthly\\_start\\_date=2023-09-01&monthly\\_length=3&price\\_filter\\_input\\_type=0&price\\_filter\\_num\\_nights=5&channel=EXPLORE&date\\_picker\\_type=calendar&checkin=2023-09-10&checkout=2023-09-15&adults=1&query=Ethea%2C%20%CE%95%CE%BB%CE%BB%CE%AC%CE%B4%CE%B1&source=structured\\_search\\_input\\_header&search\\_type=user\\_map\\_move&place\\_id=ChIJ1bt8zCeuYRMRaijjWUoAMk4&ne\\_lat=37.108159488273635&ne\\_lng=22.129880944733088&sw\\_lat=36.9955460224878&sw\\_lng=21.998247319192274&zoom=12.85812228917369&zoom\\_level=12.85812228917369&search\\_by\\_map=true](https://www.airbnb.ie/s/Ethea-%CE%95%CE%BB%CE%BB%CE%AC%CE%B4%CE%B1/homes?tab_id=home_tab&refinement_paths%5B%5D=%2Fhomes&flexible_trip_lengths%5B%5D=one_week&monthly_start_date=2023-09-01&monthly_length=3&price_filter_input_type=0&price_filter_num_nights=5&channel=EXPLORE&date_picker_type=calendar&checkin=2023-09-10&checkout=2023-09-15&adults=1&query=Ethea%2C%20%CE%95%CE%BB%CE%BB%CE%AC%CE%B4%CE%B1&source=structured_search_input_header&search_type=user_map_move&place_id=ChIJ1bt8zCeuYRMRaijjWUoAMk4&ne_lat=37.108159488273635&ne_lng=22.129880944733088&sw_lat=36.9955460224878&sw_lng=21.998247319192274&zoom=12.85812228917369&zoom_level=12.85812228917369&search_by_map=true)

### Hotels in Messini

(7 minutes from BIOCYCLIC PARK)

[https://www.booking.com/searchresults.en-gb.html?label=gen173nr-1BCAEoggl46AdIM1gEaFyIAQGyAQi4ARfIAQ\\_YAQHoAQGIAGGoAgO4Aozi\\_aYGwAIB0gIkYTJIZTUyMjYtY2UyNi00MmYwLWlxNzktMzYyYTA4OWI5ODcx2AIF4AIB&sid=3a4573437942680c5d8ceec99b8ea160&aid=304142&ss=Messini&lang=en-gb&src=index&dest\\_id=823837&dest\\_type=city&ac\\_position=0&ac\\_click\\_type=b&ac\\_langcode=en&ac\\_suggestion\\_list\\_length=5&search\\_selected=true&search\\_pageview\\_id=66325e522855080e&ac\\_meta=GhA2NjMyNWU1MjI4NTUwODBIIAAoATICZW46B01lc3NpbmIAAEoAUAA%3D&checkin=2023-09-10&checkout=2023-09-15&group\\_adults=1&no\\_rooms=1&group\\_children=0&sb\\_travel\\_purpose=leisure&nflt=ht\\_id%3D204](https://www.booking.com/searchresults.en-gb.html?label=gen173nr-1BCAEoggl46AdIM1gEaFyIAQGyAQi4ARfIAQ_YAQHoAQGIAGGoAgO4Aozi_aYGwAIB0gIkYTJIZTUyMjYtY2UyNi00MmYwLWlxNzktMzYyYTA4OWI5ODcx2AIF4AIB&sid=3a4573437942680c5d8ceec99b8ea160&aid=304142&ss=Messini&lang=en-gb&src=index&dest_id=823837&dest_type=city&ac_position=0&ac_click_type=b&ac_langcode=en&ac_suggestion_list_length=5&search_selected=true&search_pageview_id=66325e522855080e&ac_meta=GhA2NjMyNWU1MjI4NTUwODBIIAAoATICZW46B01lc3NpbmIAAEoAUAA%3D&checkin=2023-09-10&checkout=2023-09-15&group_adults=1&no_rooms=1&group_children=0&sb_travel_purpose=leisure&nflt=ht_id%3D204)

## Contact

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