Object design & Product \ Exhibition design \ Materials \ Installation \ Research \ Education

Amalia Shem Tov

2025

Object design & Product \ Exhibition design \ Materials \ Installation \ Research \ Education

Water Hadde Dudde Da

Research & Design initiative commissioned for “Schmutzige Ecke” An Exhibition on Circularity, Sobriety and Rubble as part of Ornamenta 2024 biennale in the black forest.

Co Curated with Henriette waal

Creative & Design with Moreno Schweikle, Anthea Oestreicher & Jan Schulz.

collaborators: Ketterer Brauerei & Roswitha Hild

Historically, the Northern Black Forest has been an attractive region for beer brewers, drawn to the pristine water sources essential for crafting distinguished flavours. Today, human activity is increasingly affecting water at all levels, disrupting the distinctive taste it gives to beers. The drinking habits of the locals have also changed over time, due to the arrival of migrant communities who are not accustomed to drinking beer.

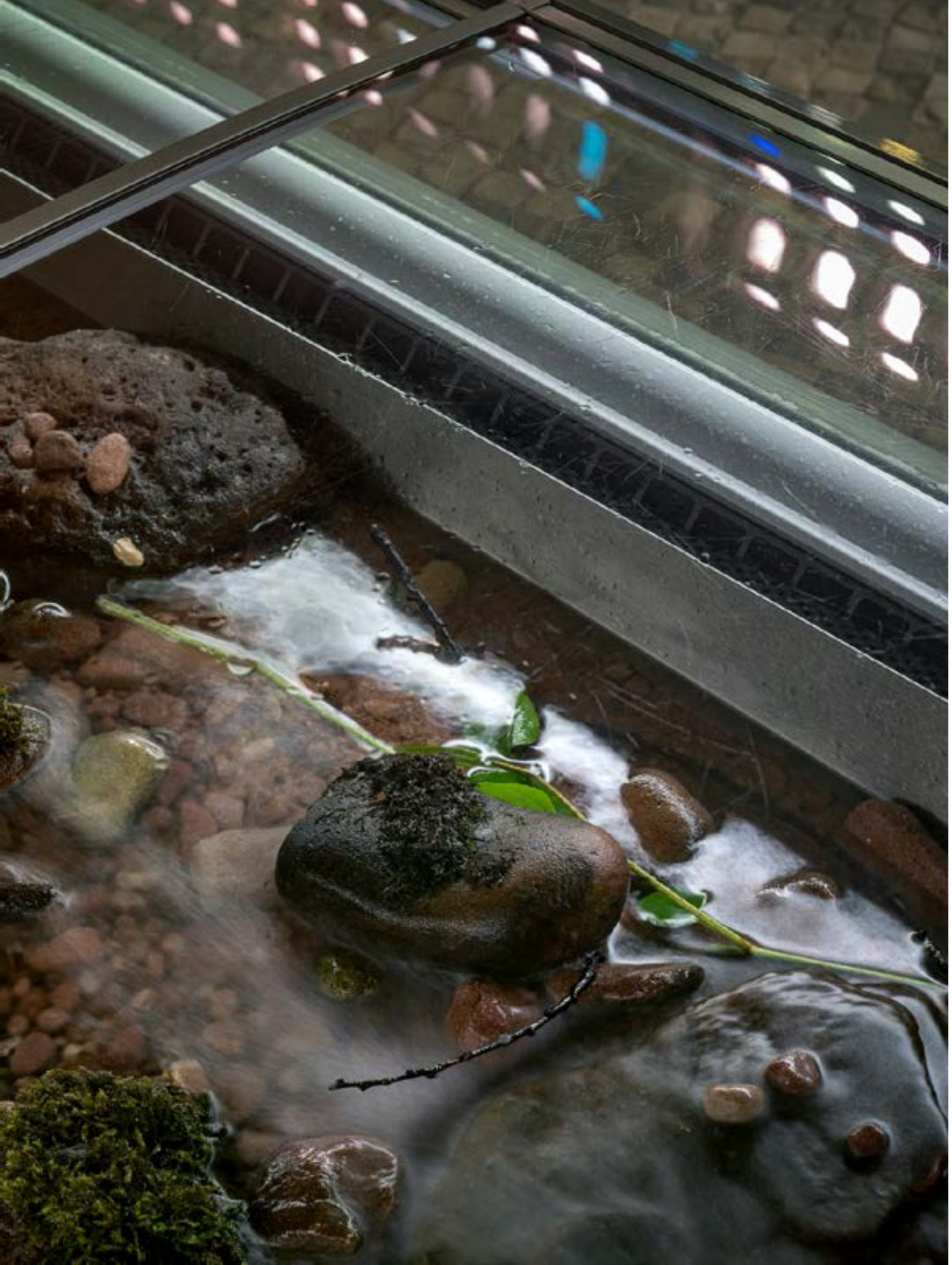
Going beyond beer, the collective introduces Knötti, a new refreshing alcohol-free drink made from local waters, German hops and Japanese knotweed harvested in the nearby forest. The newly arrived knotweed is currently considered nothing but a harmful invasive species. Given its refreshing flavour, vitamins, and the omnipresence of the plant, it has potential for local drink production. ‘Water hadde dudde da’ (a dialect for ‘What do you have there?’) re-establishes the connection between the German drinking society and the evolving ecosystem.

Research \ Exhibition design \ Materials \ Installation \ Product & Object design \ Education

Water Hadda Dudde Da

2024

Water Hadda Dudde Da



2024

Theater of Animal

Exhibition design for Tel Aviv Museum of Art

Co Designed with Tal Erez
Curated by Shua Ben Ari

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Theater of Animal

2024

Theater of Animal

2024

Light, please

Exhibition design for Tel Aviv Museum of Art

Co Designed with Tal Erez
Curated by Shua Ben Ari

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LighT, Please

2024

Shmura

Residency programm at Beit Harishonim, Hefer Valley.

A Space for Environmental Research & Design
Co designed with Orr Dagan (@shmura.project)

collaborators: Dr. Boaz Shacham, The National Natural History Collections at the Hebrew University of Jerusalem, Dr. Arik Rosenfeld, Dr. Oded Cohen, Dr. Tal Levanony, Julia Eva Fortmueller and, Material Farming Lab, Department of Plant and Environmental Science, Weizmann Institute of Science.

With the backdrop of a climate crisis, and in an era when human activity dictates and affects our surroundings more than anything else, ideas of renewal, construction, and development require a holistic stance on our environment. “Shmura” is a design research project situated between the fields of environmental design and material research and aims to rethink how human activity can support the local natural environment. The project examines Beit HaRishonim's natural environment, its unique ecology, and the obstacles arising from the friction between human development and nature conservation.

“Shmura” project proposes and invites to imagine and examine other forms of human development that may exist alongside the natural environment, through design research which takes both historical and cultural processes into consideration. The residency concludes in an exhibition at BeitHarishonim. The project presents a perspective on a historical local material along with a proposal for contemporary local materials to be developed and raises questions about the consequences, challenges, and potentials of sustainable material development and production.

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During 4 months the lab operated on three levels:

1. Visual Archive
Environmental research and material mapping (theoretical and field research)

2. Materials Research & Development
How can human activity nourish and support the natural environment?

3. Community Engagement
The community as an integral part of the process.

Local material archive (kurkar stone)

Bio Blitz with the local community

Shmura

Exhibition View

Activities During the Recidency:

\+

Setting up a space for both research, development and display

\+

Local material archive

\+

Gatherings with designers and local professionals

\+

Research and Development of local materials

\+

Workshops for the local community

\+

Work with experts and scientists

2023

Shmura

Material Research - Local Context :
“Beit Harishonim” is situated on top of a Kurkar stone ridge, a unique geological phenomenon found almost exclusively along Israel's coasts.
The Kurkar stone embodies the meeting point of desert and Mediterranean climates and serves as a habitat for a variety of unique species.

Throughout history, the kurkar has been subjected to human abuse and has been used as a local building material. The process of urbanization has accelerated its extinction and near disappearance from the local landscape to the extent that many plant and animal species, which are unique to the ridge, are in tangible threat of extinction.

2023

Analysis of the architecture of Kurkar Stone at the Weizmann Institute.

Shmura

Leftovers of building and decoration materials, collected from around the region, made from The kurkar stone.

2023

Material Research -Invasive species:
Non-native species that were brought as part of the nature management ideas held by the ones who controlled this land throughout history became invasive species that are well rooted in this area and are changing the landscape, the ecosystem, and the biodiversity. These non-native invasive species raise urgent practical and relevant cultural questions about what is local and how to deal with "foreigners" and the changes they bring.

Acacia Saligna tree , Was imported to Israel with the aim of stabilizing coastal dunes and has become one of the most common invasive species in Israel. Its sprawling growth raises urgent practical and cultural questions on locality, foreignness, and dealing with the changes brought forth.

As the option to uproot and eradicate the species from the local landscape requires tremendous effort due to its widespread distribution, Can we develop other ways to handle them and utilize them?

Acacia Saligna - Invesive species threatens the sensitive eco system of the kurkar. Brought to Israel during the first days of the Mandate regime in order to stabilize the dunes.

Shmura

2023

Tiles made from Acacia Saligna tree

Erosion Control

Commissioned for "Wadi" Exhibition at Haifa Museum. Curated by Dan Handle.

Ceramic objects, 2023.

The Carmel wadis are not homogenous, but rather a series of distinct geological and human constellations. Erosion control is a series of ceramic objects based on unique material and historical blend of different wadis by replicating surfaces and geological processes on site to form artificial cylinders.
In one of them, clay and flint from Wadi Siach become an articulated surface. and in another, the intensely processed landscape of Wadi Rushmia give rise to distinctly geometric object. As an ensemble, this series of objects addresses the singularity and difference that exist under the general title "wadi".

Text by Dan Handel

Research \ Exhibition design \ Materials \ Installation \ Product & Object design \ Education

Wadi

The exhibition addresses different manifestations of A Wadi, the way in which the wadi shapes geologies of urban strata, influences infrastructural phenomena, defines cultural and psychological boundaries, and supports natural and human occurrences that constantly blur the outlines of urban settlement. The exhibition brings local phenomena and situations into broader discourses about cities, the environment, and the limits of being human. Artists and designers from Israel and abroad were invited to respond to the variety of situations that the wadi produces and to imagine new ecologies of coexistence between plants, animals, and humans.

2023

Becoming

Objects Design and artistic support for DR. Jhonathen Reiner solo exhibition.
On the neurological and introspective basis of creativity. Curated by Avigail Reiner.

At The Lab Gllery, Tel Aviv, 2023.

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Becoming

2023

Peatland Studio

Creative research & tutoring

Workshop for Social Design masters program, Design Academy Eindhoven. Friesland, The Netherlands, 2022.

Co Designed and teaching with: Henriette Waal for Arcadia.

The workweek with DAE was imagined as an exploration for Arcadia and the Fries Museum and as an addition to the fertile grounds exhibition by Christien Meindertsma and curators, Laura Drouet and Olivier Lacrouts of studio d-o-t-s. The main question in this exhibition is “What future do we want for the Frisian peatlands?”

The Peatland studio with DAE brought a group of international master students as a way to gather a rich palette of findings and ideas for “het lege midden” (“the empty middle”, another name for the frisian peatlands). In a pressure-cooker format we explored and identified issues together and started building relations with local partners.

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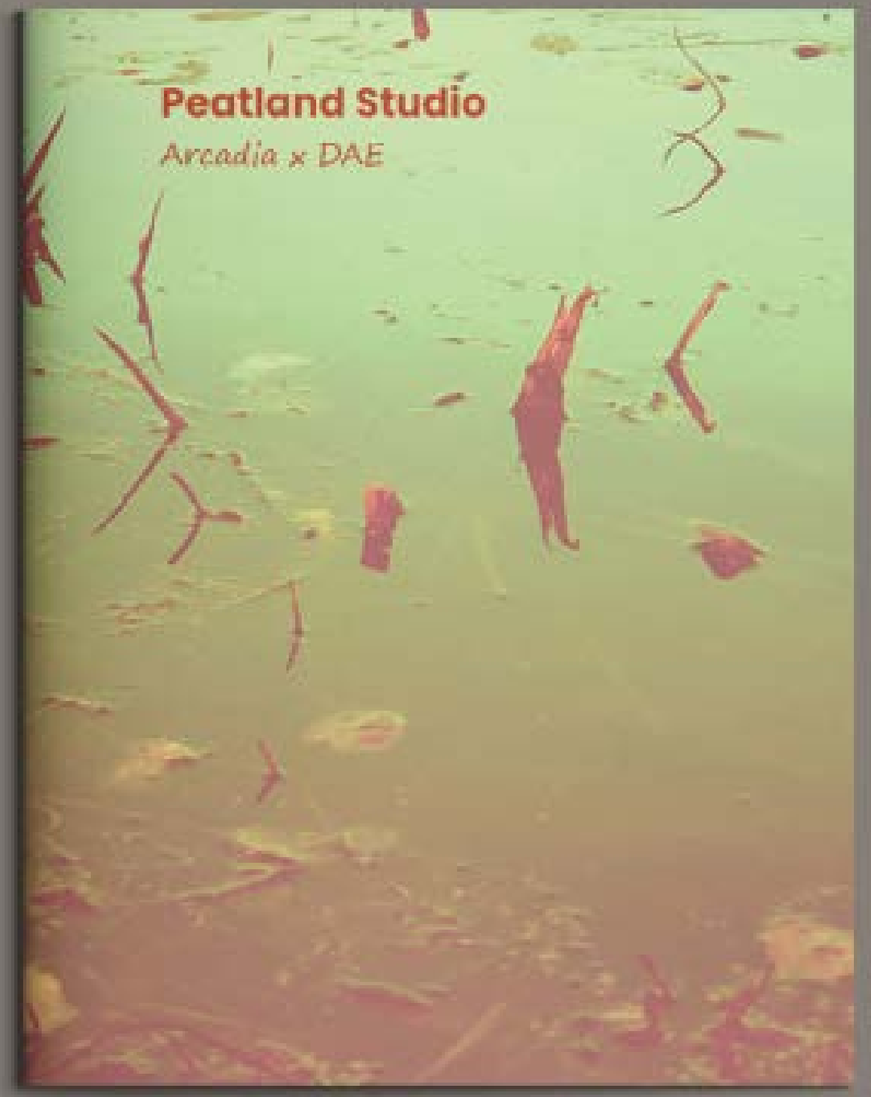
4 research themes: Food futures, Water bodies, Social history & identity and The tragedy of the countryside working at "De Westerkerk", Leeuwarden Friesland.

The peatland studio sees that design can give another dimension to the transition challenges in the frisisan landscape. It sees its role in combining the functional with poetry, ecology and social design.

Working with visualization tools, story telling methodologies, regeneration and on site experimentation to re-imagine eco-social connections and to establish collaborative structures.


Peatland Studio
Arcadia x DAE


3
First step
international group
bringing multiple perspectives
4


21
First step
Field visits
22


35
First step
Expert talks
36

Embodied Knowledge Bureau

Scenography designed for crossfade: sonic somatic event, Amsterdam, 2022.

Objects and scenography designed for exhabitions and performance.

Collaborating with EKB - Embodied Knowledge Bureau: A space for investigating, reclaiming, and engaging the body within artistic education. The Embodied Knowledge Bureau targets visual and spatial makers interested in exploring the impact of embodied experience on our ways of thinking, creating, and understanding our surroundings. We welcome participants at different stages of practice, movement experience, physical abilities, and a wide variety of interests. We are excited about weaving an inter-departmental community around topics which may often seem intimidating, inaccessible, or simply unaffordable.

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crossfade: sonic somatic event

2022

Embodied Knowledge Bureau Objects and scenography designed for exhabitions and performance.

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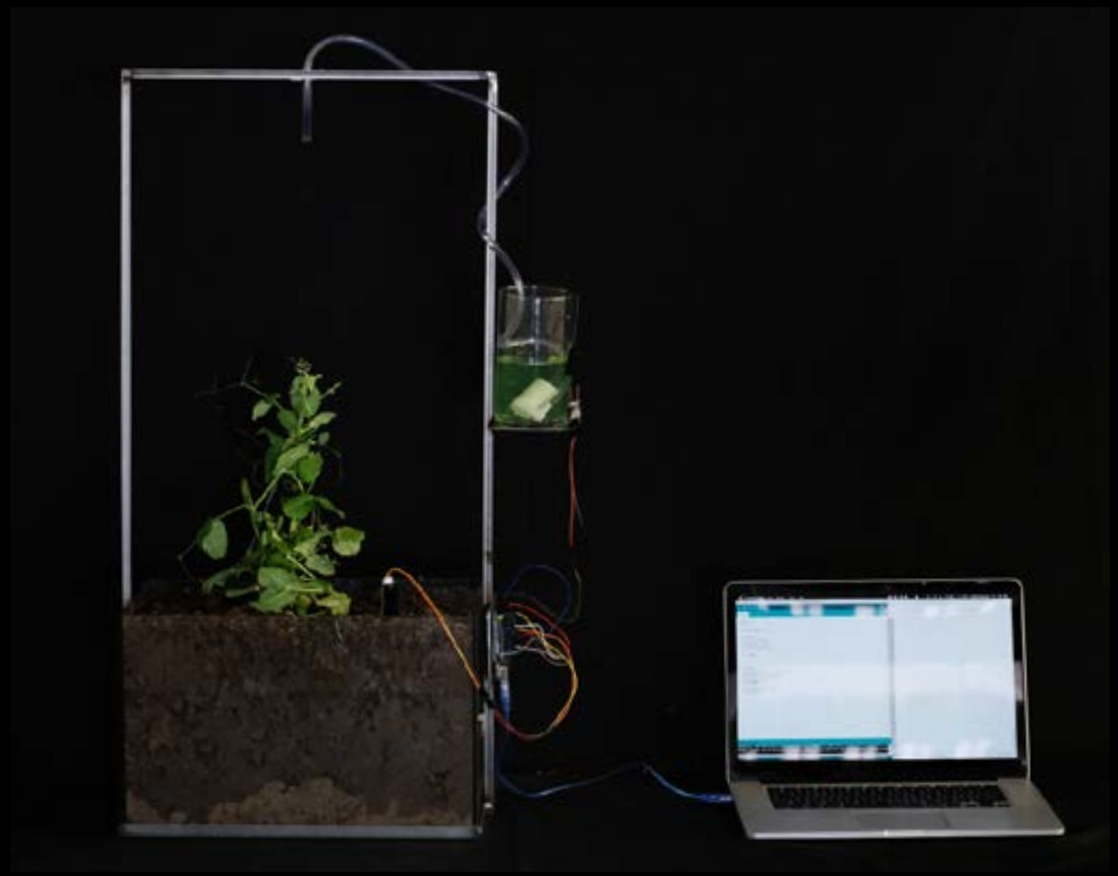


Matters of Transparency; The role of pesticides within the metabolic rift

Designed for the UN 2021 Food System summit.
Exhibit at Dutch Design Week 2021:
Zero Hunger,Zero Power exhabition.

Medium: installation and video
Co Designed with: Marie Dvorzak, Gudrun Havsteen-Mikkelsen and Julia Urreaga Aizarna.

Nowadays, the main agriculture system is based on monocultures. The Green Revolution set the bases of the technological investments needed for this system to proliferate. Nevertheless, the complexity of the system also requires the investment in not-so-visible aspects. Modern cultivation methods to increase crop production and rates have been materialised in genetically modified seeds that go hand in hand with the chemicals that potentiate or rather protect the designed seed.

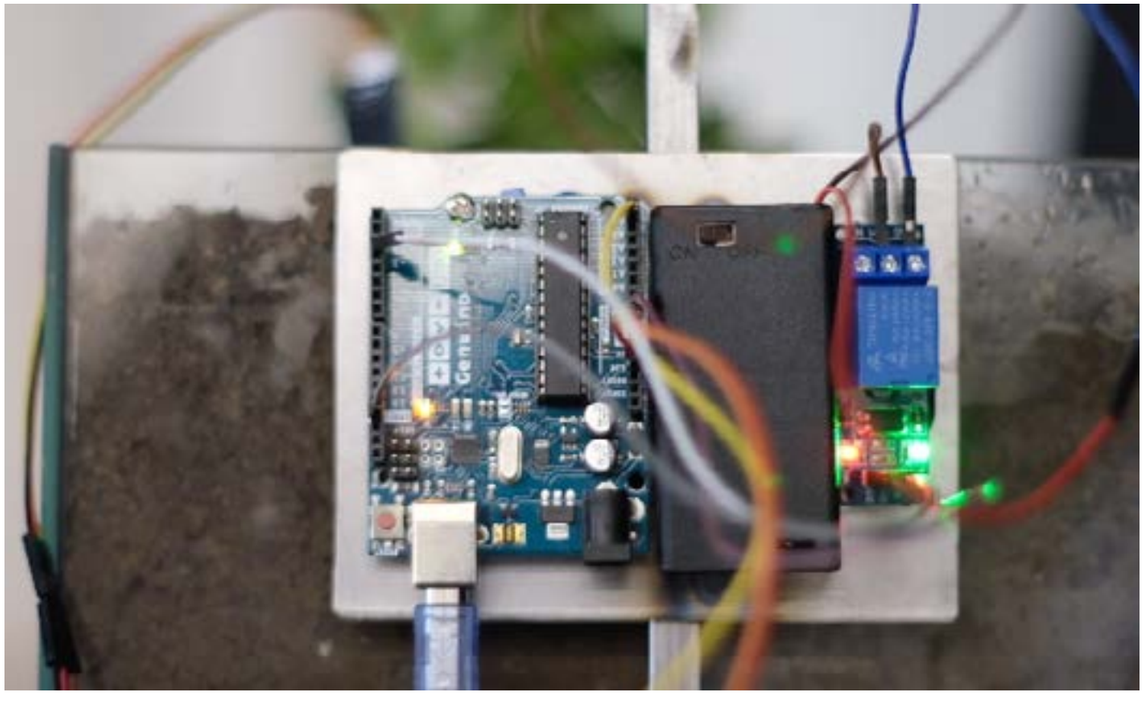
The urgency to communicate the interconnection between modern agriculture methods, the policy of use, soil condition, and the effect on all living bodies is showcased through the relationship between a living soya plant and GMO technology.

By singling out one unit of monoculture agriculture method, we translated our research on the narrative, and the invisible trajectories of pesticides.

Research \ Exhibition design \ Materials \ Installation \ Product & Object design \ Education

2021

The efficiency of the system makes accessibility of the final product easy, affordable and effortless. But when it comes to trace its nature, origin or reason of being, it feels reluctant to answer.



2021

Re-Routing Roots

organization, platform and objects design
for spreading knowledge about re-planting tree seedlings, Eindhoven 2021

Co Designed with: Juli Paetzold,Marte Van Haaster and John Carrillo.

Collaborators: Meerbomen.nu, Urgenda, Bonne Suits and, Voedselbos Eindhoven, and Annemarie (Seedling harvesting location Riel).

With simple human intervention, we aim to make communities aware of nature's 99% of tree seedlings that never have the chance to mature into fully grown trees. Through using tools from local wood waste, relocating seedlings, and providing education through experience, we reset the relationship humans have to the lifecycle of tree's within nature.

By motivating tree planting actions within local community, that are easy to understand and simple to join, we ignite a knowledge base that can organically spread throughout the world.

With a network of organizations, companies, and local communities Re Routing Roots initiative included local seedling Saturdays and a multitude of events for planting, harvesting and distribution.

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re routing roots

2021

9

Researcher, Producer, exhabition design, objects production and assistant of **Hila Amram's** BIO Hacking, solo exhibition at Herzliya Museum of Contemporary Art, 2018-2019

The democratisation of bio knowledge in the information age brings a lot of enthusiasm around new possibilities and new advantages to individuals and humankind. It brings also a new paradigm of knowledge and production. The DIY-Bio does not represent new science but a new way of doing science it is a global movement spreading the use of biotechnology beyond traditional academic and industrial institutions and into the lay public. 9 exhibition by Hila Amram, embraces all the shades of gray with regard to the DIY bio movement and its members, the biohackers. As a free agent, the BIO hacker- an amateur, enthusiasts, students, or trained scientists, operate without supervision outside the establishment and support free access to information, informal genetic engineering. Biohackers have enormous creative possibilities, as well as devastating potential. Theoretically, they can create the next scientific breakthrough that will advance mankind to a brighter future or set forth a destructive force of biological terror that will bring the earth to its end.

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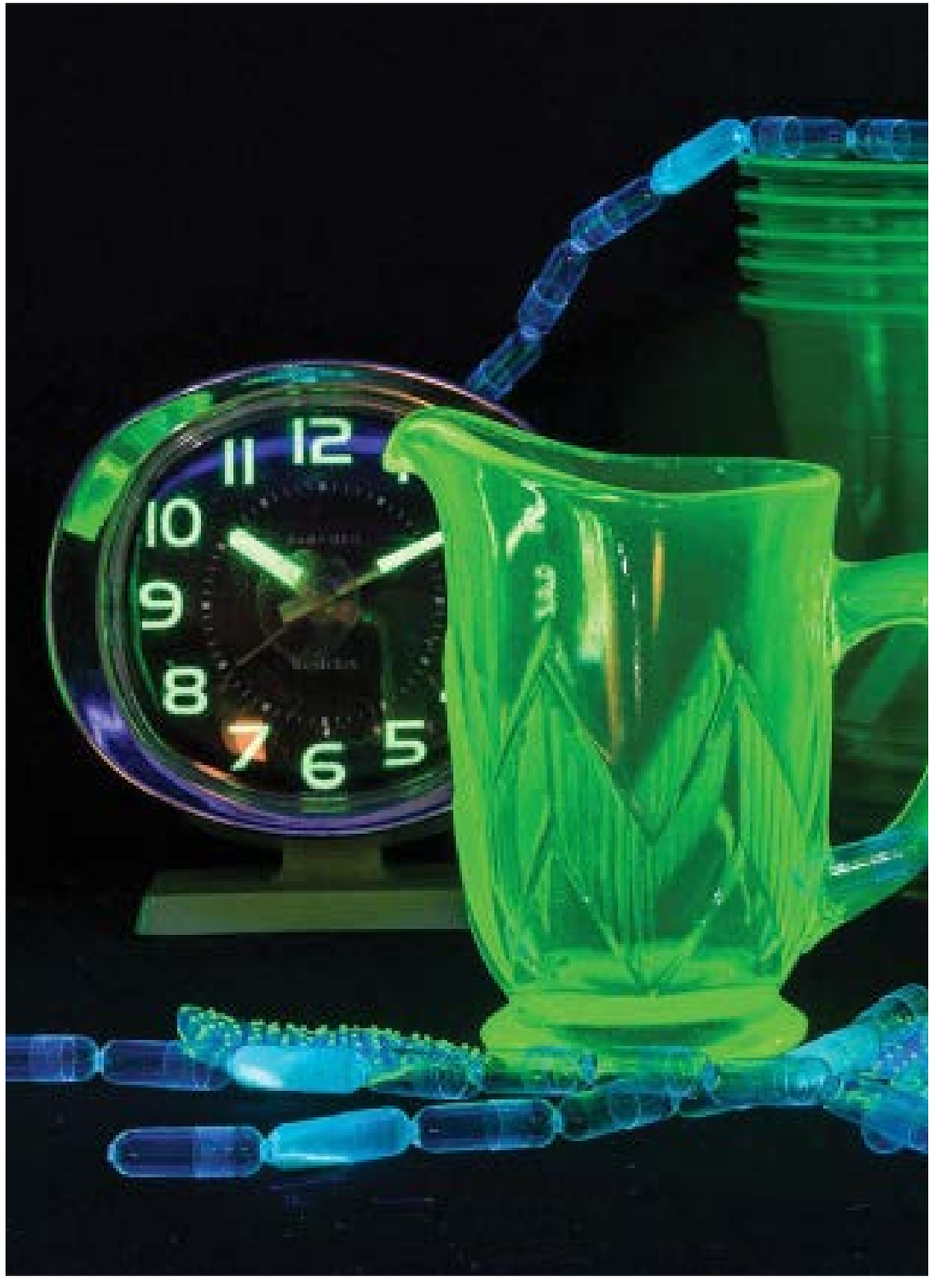
9 - Bio hacking exhabition

2018-2019



The exhibition design offers zooming in and out on the biohacker' world as a radical figure of the 21st century.

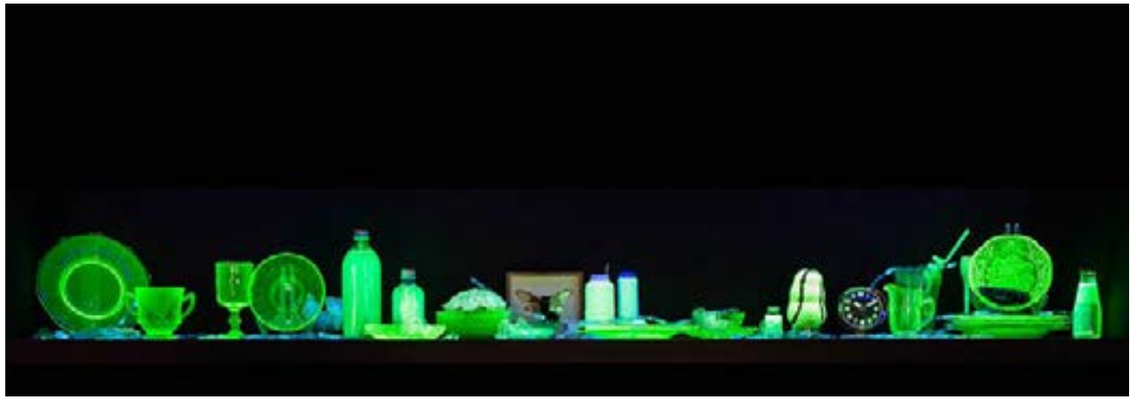
9 - Bio hacking exhibition

2018-2019

9 - Bio hacking exhabition

2018-2019

9 - Bio hacking exhabition



2018-2019

Roots

Cooking utilities, 2018

Took part at Ventura Future exhibition, Milan Design Week 2019, Venice design week 2019 and won Asia design prize 2020

Preparing and cooking food symbolizes one of the turning points of human evolution, man became a social and cultural being. Nowadays, in the kitchen, the modern user surrounds himself with advanced technologies utensils, and products, the most with minimal effort, and no processing providing immediate results. Going backward to the primary and early process, to a physical work through a raw and natural material that has been processed and adapted to the new era user by multiple technologies makes possible the old and new connection, the reminiscence of preparing food, creating an intimate early experience in the heart of the contemporary kitchen.

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ROOTS - Cooking utilities

2018

Roots project is focused on the emotional relationship and interaction between man and machine, and its result. The principal aim is to give back a place to human presence and personal touch in the early and intimate process of preparing and cooking food when time, material and products create an intimate connection between man and his environment. with the help of high technology processing and the combination of raw materials, the aim was to re-constitute this special experience by a way back to our roots and history, combining past and present in the very simple way of preparing and cooking food.

The tension between natural and processe stone.
(3D printed mockup)

2018