I am Yana Sychikova,
I am a
nanotechnologist.

Today I want to talk about my project
"Nanoart. Science is art", which I
implement together with designer
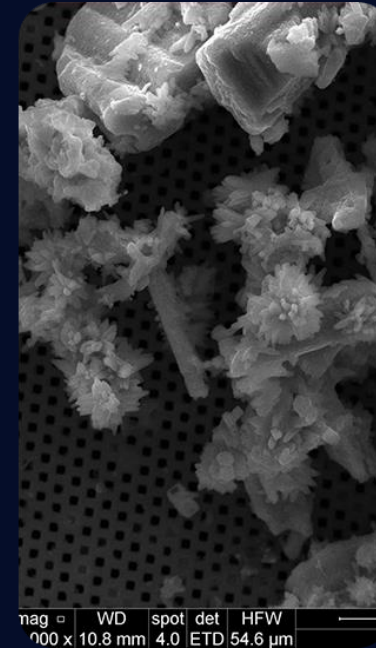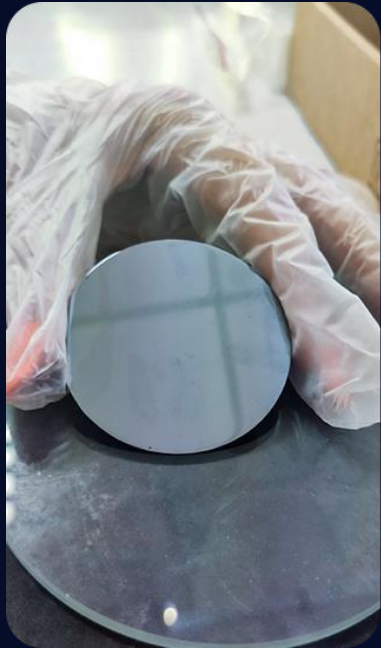Serhiy Kovachov

NanoArt — is a symbiosis of science and art.

We strive to show that SCIENCE is aesthetics, it is inseparable from ART

I create nanostructures that are used in cell phones, lasers, solar cells, and more. For this, I use a fairly simple method of electrochemical etching.

The smooth surface of the semiconductor turns into real reliefs and unusual patterns. However, such images cannot be seen with the naked eye
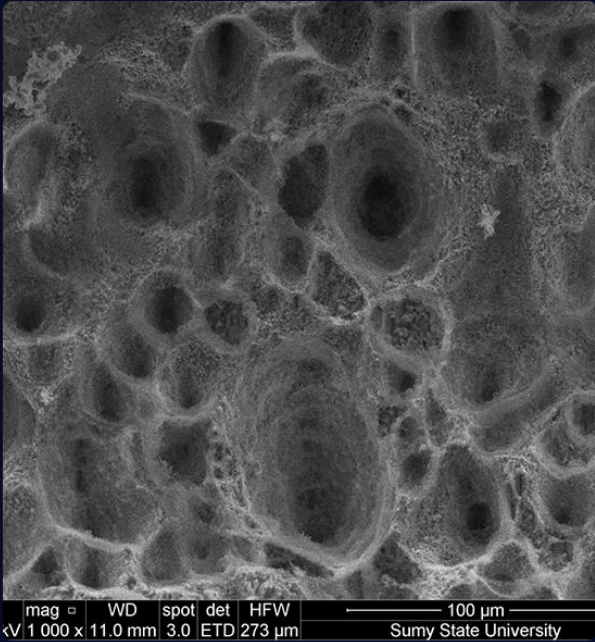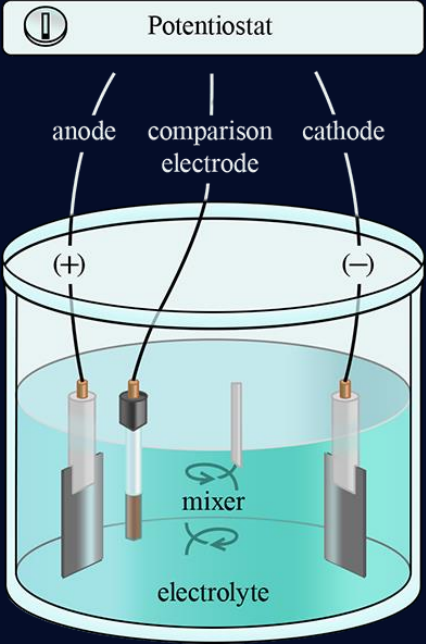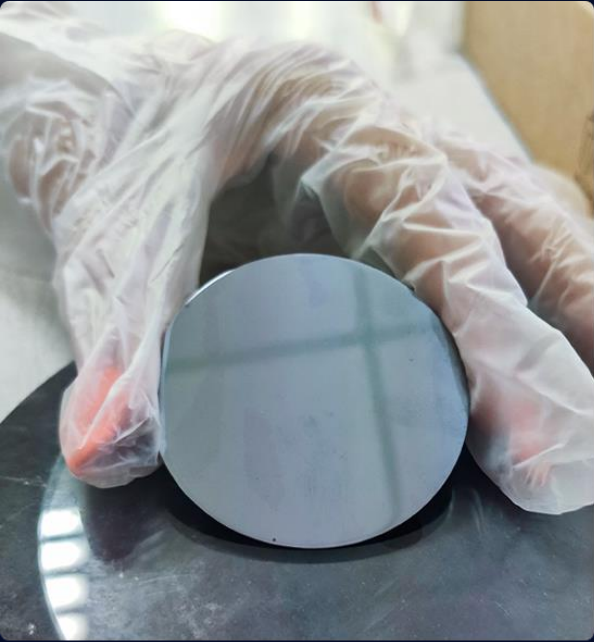
In order to see them, you need to use high-power microscopes. Just look at how aesthetically pleasing nanostructures look under a microscope. However, these images are black and white. As a rule, they have purely scientific significance.

We see in them not only science, but also art. Arthur Clarke said «Any sufficiently advanced technology is indistinguishable from magic»
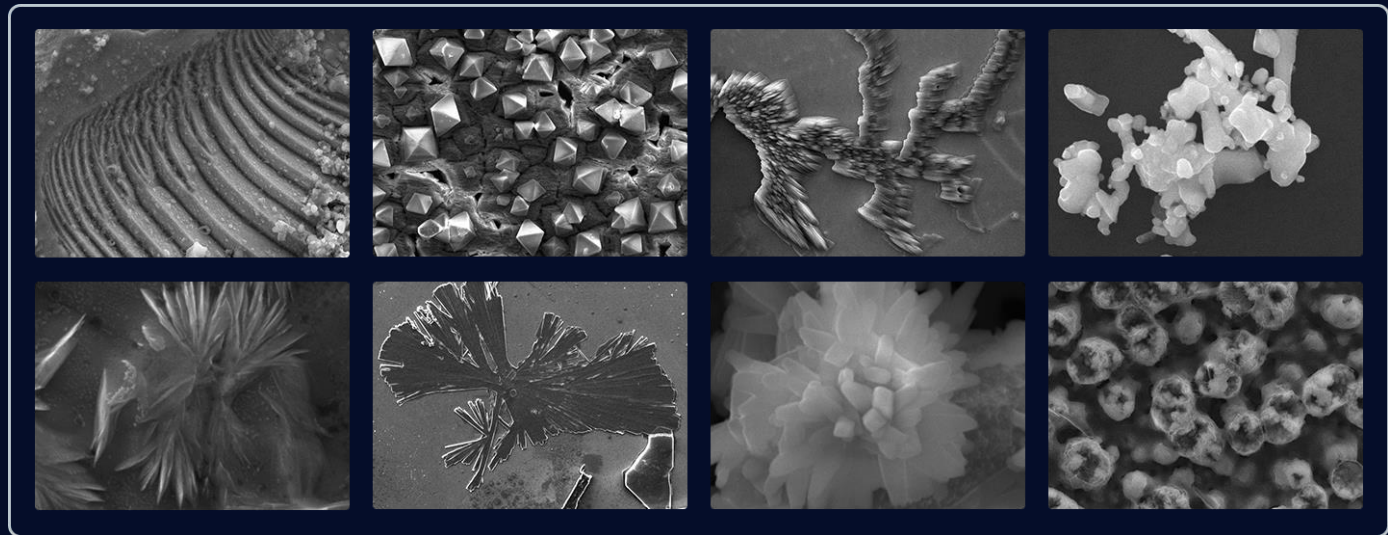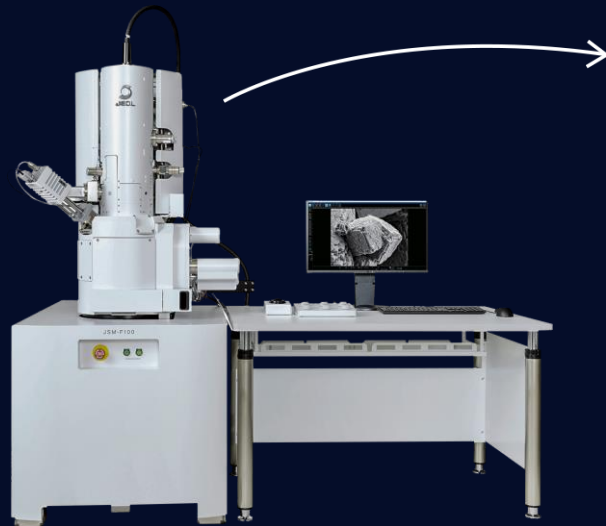
We decided to paint them. Of course, we do this not with the help of paint and brushes, but using graphic editors, usually Photoshop. After such processing, nanoart paintings are of not only scientific significance. They become real works of art
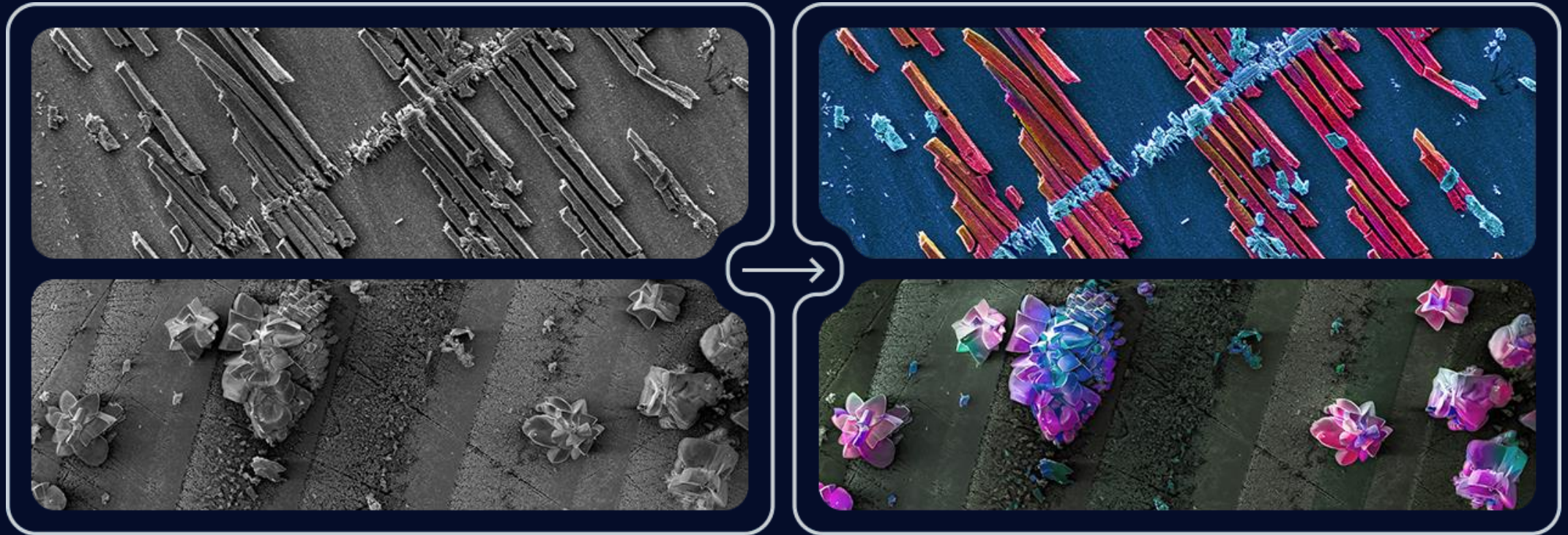
The world of nanotechnology has begun to play with colors

Feynman said about nanotechnology
«There's Plenty of Room at the Bottom»

and Eric Drexler replied
«There is plenty of room to dream»

We say

«It is time to see the true beauty of science!»

Our project is almost seven years old. During this time, we held many events aimed at popularizing scientific art. We published a unique popular scientific publication Artbook "Nanoart" and opened the first Nanoart gallery in Ukraine, which is located in Berdyansk State Pedagogical University.
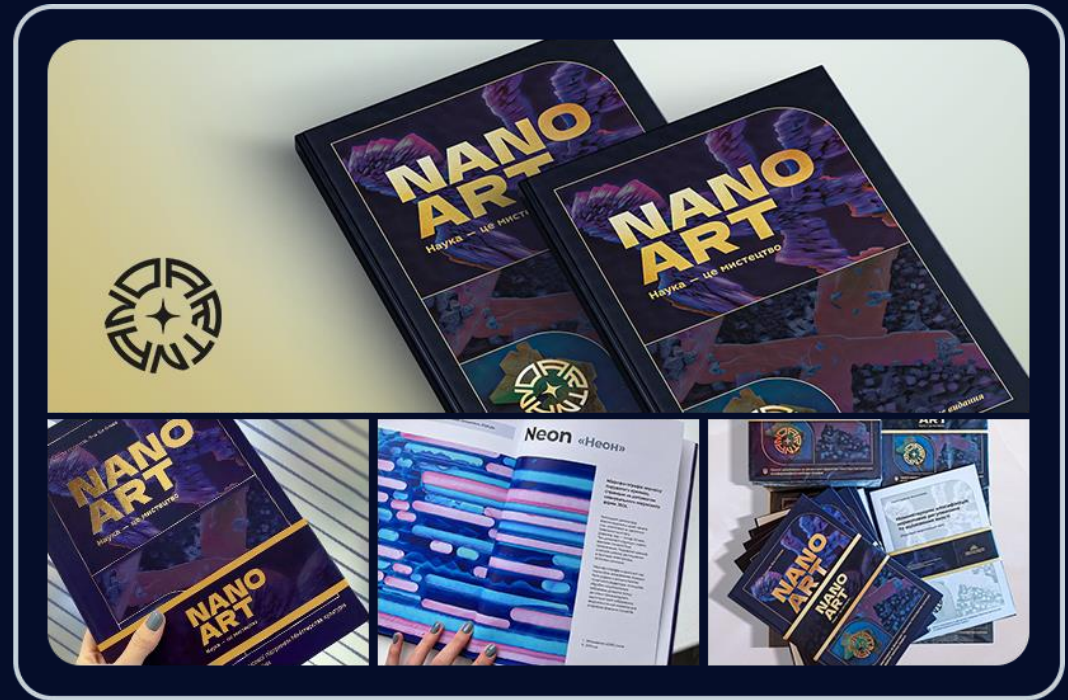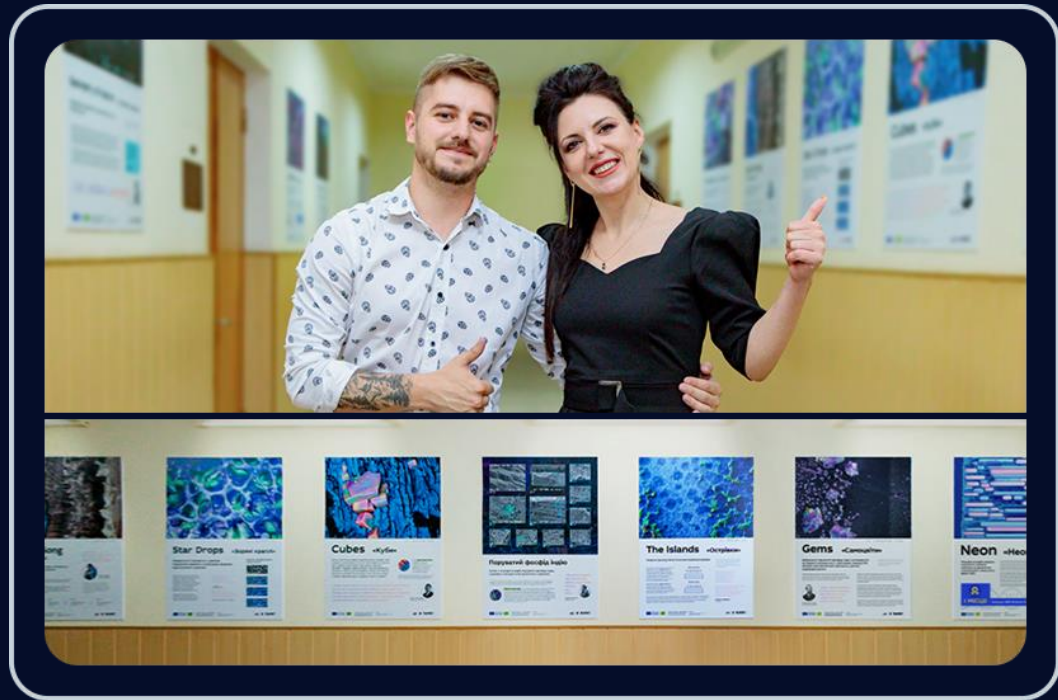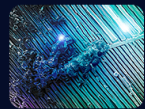
We present our nanoarts at scientific photography competitions. We often become first-prize laureates and winners of these competitions. Wikipedia has repeatedly awarded our Nanoarts with awards such as "Quality Image", "Featured Image", etc.
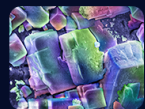
Робота **«Кам'яна квітка»** посіла **1 місце** у конкурсі **"Focus Science"** 2015 року

За результатами Європейського конкурсу наукових фотографій 2016 року ВВС визнала **найкращим зображенням** роботу **«Геометрія природи»**
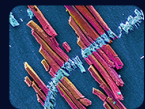
Робота «Кориця» має статус **кращої роботи липня** 2016 рокуу конкурсі наукової фотографії від **Jeol**

Робота «Флюоресценсія» посіла **1 місце** у конкурсі **"NANOSCIENCE AS ART"**, який проходив в Одесі у 2021 році
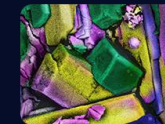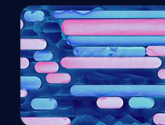
WIKIPEDIA FEATURED PICTURE

Робота **«Кам'яна квітка»** удостоєна особливої відзнаки **"Featured picture"** і вважається одним з кращих зображень Вікімедія. Таких зображень у Вікіпедії налічується лише **0,025%**.

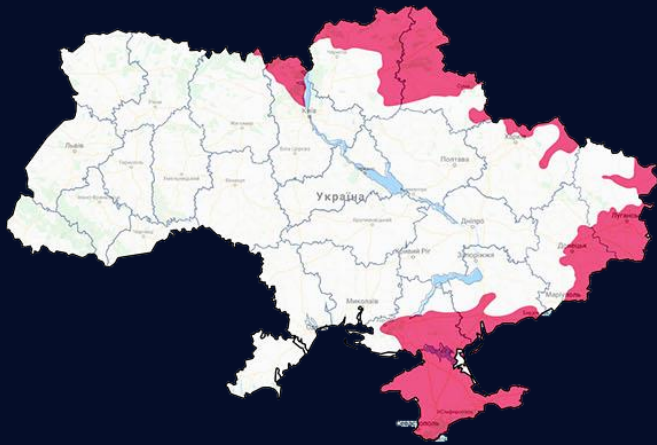**Участь у конкурсах від** *Вікіпедія* W

Робота **«Калейдоскоп»** посіла **3 місце** у конкурсі **«Wiki Sciense Competition 2019 року»**

Робота **«Неон»** посіла **1 місце** у конкурсі **«Wiki Sciense Competition 2020 року»**

Almost from the first days of the war, our city was occupied and the university, where our gallery is located, was captured by the invaders.
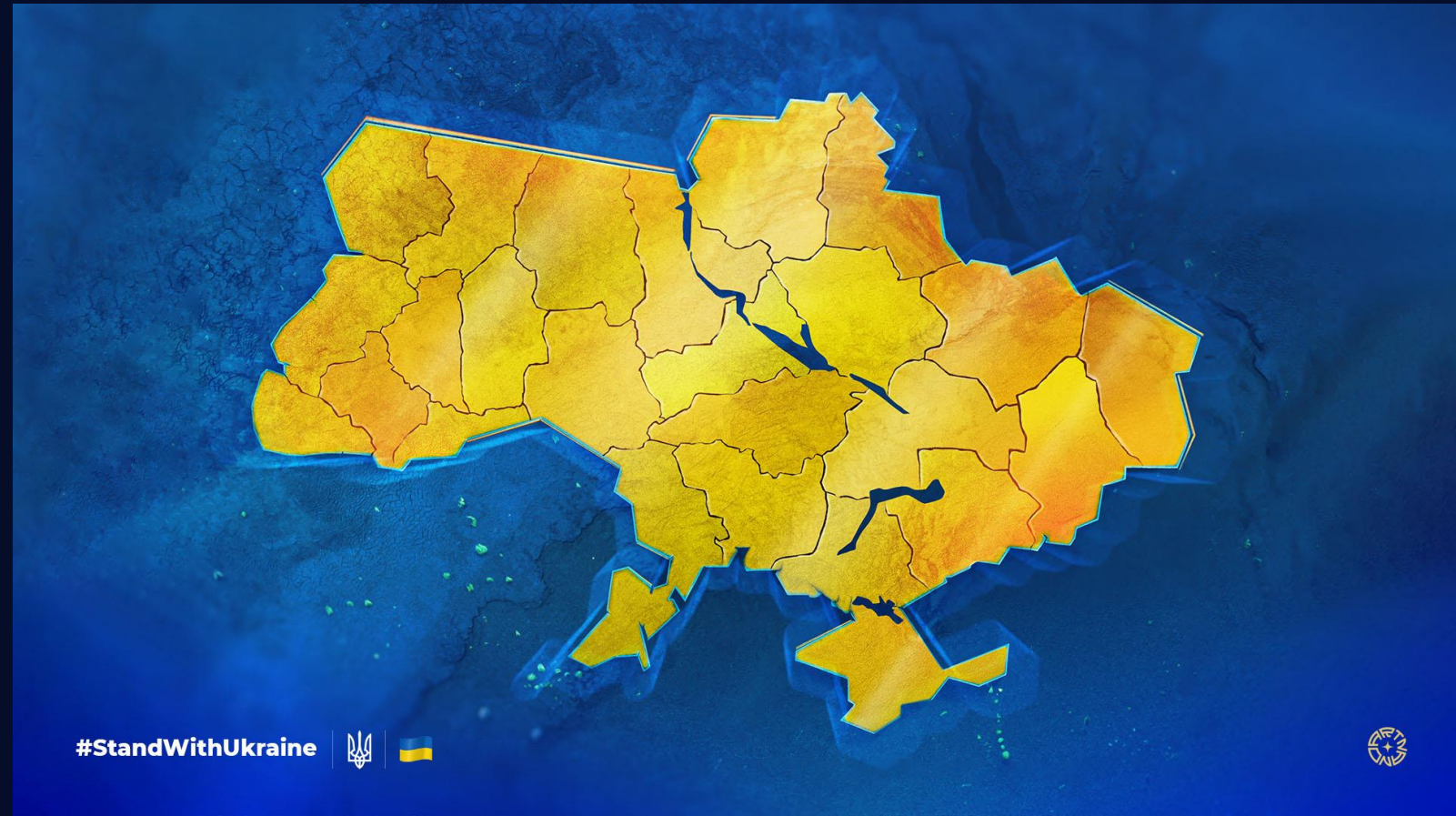
We could not stay away from Ukraine's struggle for its independence and decided to reformat the project "Nanoart. Science is an art." From the day of Russia's invasion of Ukraine, our project began to be called

«Nanoart.
New
symbolism of
science»

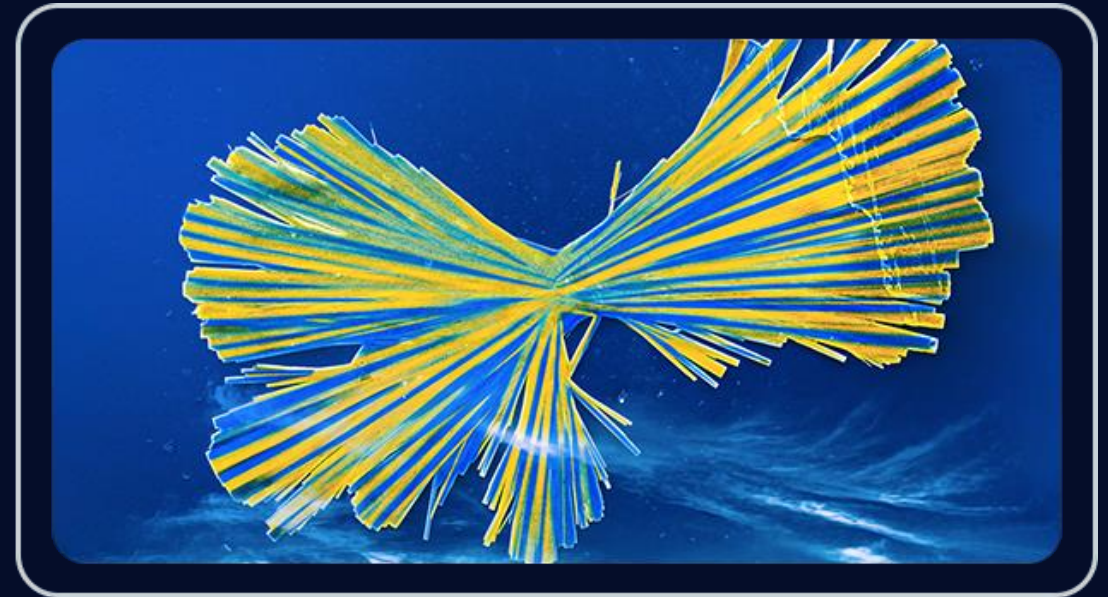We decided to paint the nanoarts in the Ukrainian colors of the national flag: blue and yellow. In this way, we want to draw the world's attention to the events unfolding on the territory of our state.
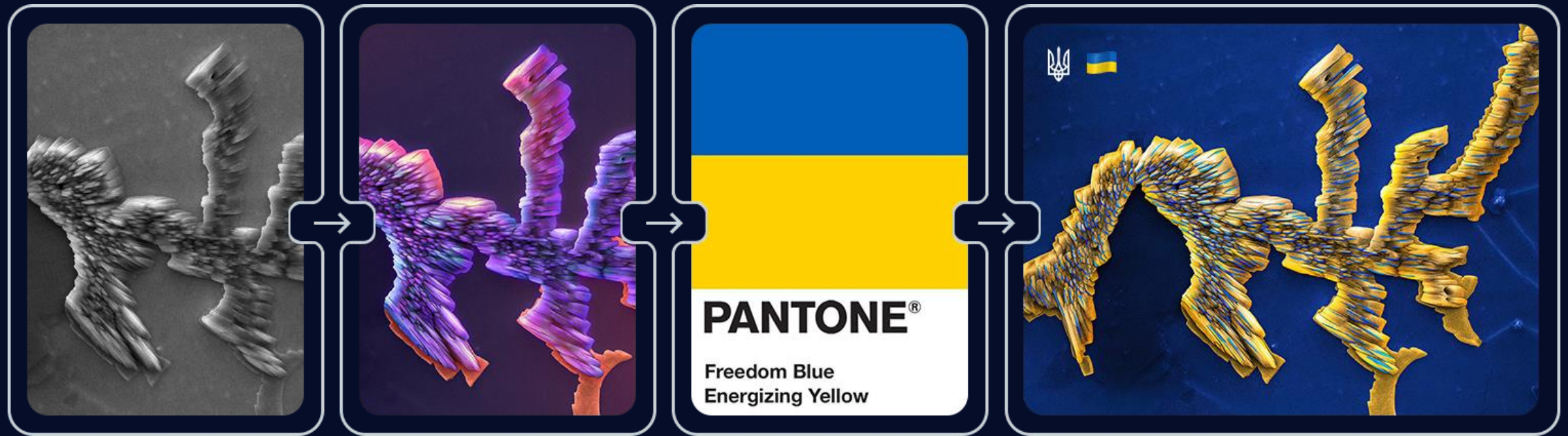

Love of Life


Free Bird

#StandWithUkraine

We were the first to update the "Phoenix" nanoart. Now it symbolizes the rebirth of Ukraine from the fire, like the Phoenix bird coming to life again and again, becoming stronger and grander.
We dedicate our new Nanoart to the Ukrainian struggle for its independence and our future victory.
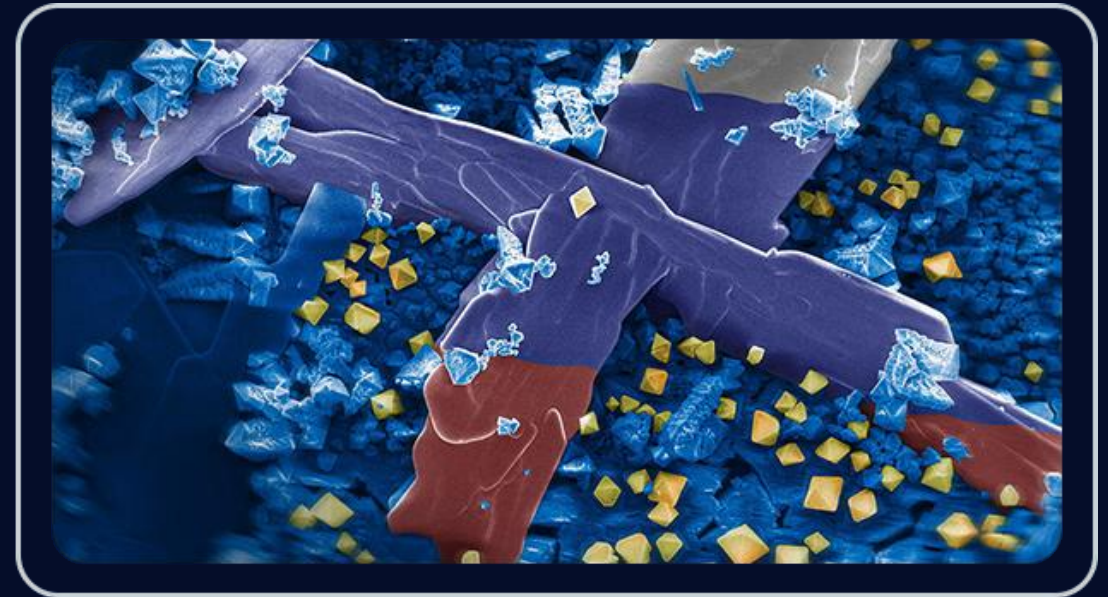

Phoenix

Due to the inseparability of art and culture, we want to convey to the world the need to support our scientists, artists, and all Ukrainians. Not everyone is on the frontline now, but each of us can work on our personal battlefield, where we are strong.
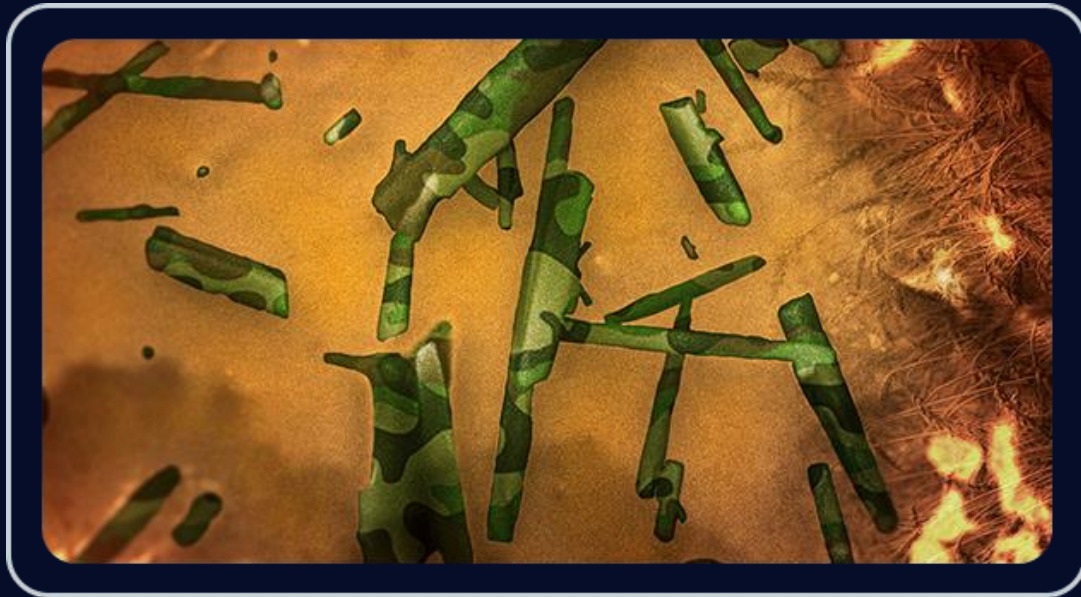
Scorched Earth

Downed Plane

Today, the goals of the project are the following:

- ✦ support of Ukrainian art during the war;

- ✦ attracting the attention of the world community to events in Ukraine;

- ✦ to appeal to the countries of the world about the need to help Ukraine;

- ✦ unification of the intelligence and elite for the restoration and development of Ukraine;

- ✦ promotion of Ukrainian scientific art and protection of heritage;

- ✦ covering the events of the war and the stability of Ukrainian society;

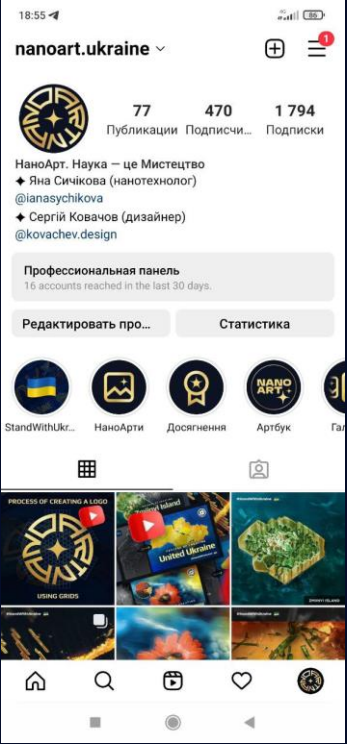- ✦ support of Ukrainians' faith in victory and restoration.

We realized that tangible cultural heritage can be lost, so we strive to transfer our project to a virtual and digital format. Today, we present our nanoarts on social networks. We also created a YouTube channel where we show how to create paintings in the style of NanoArt
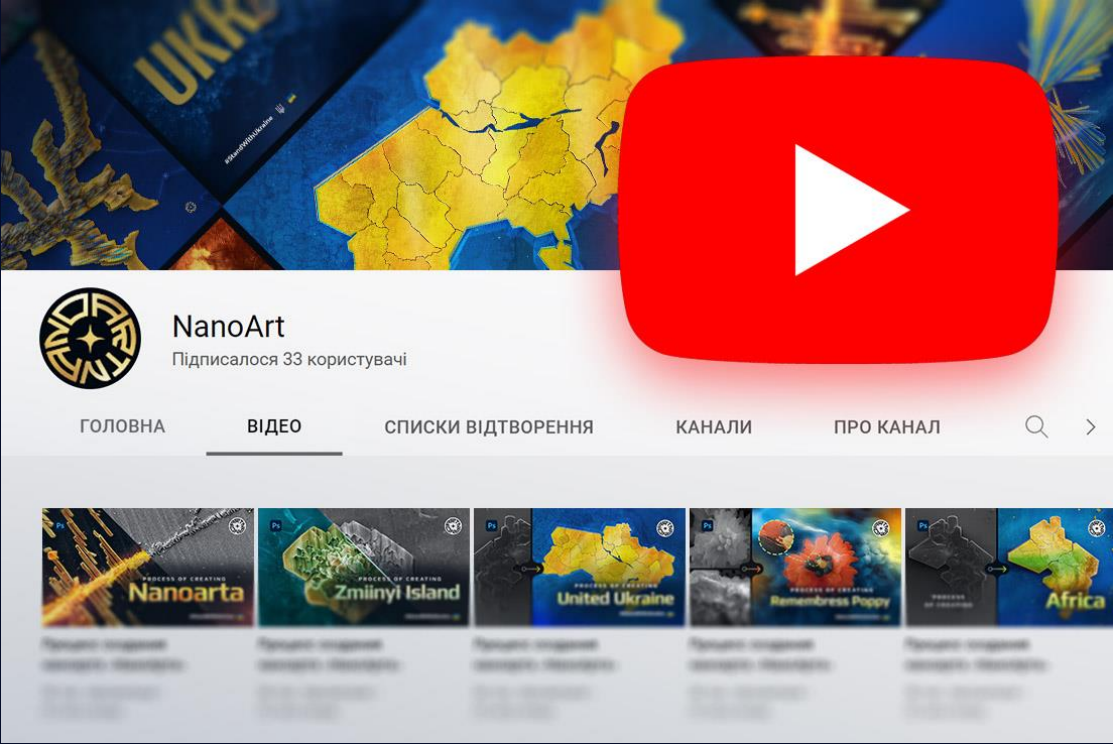

YouTube
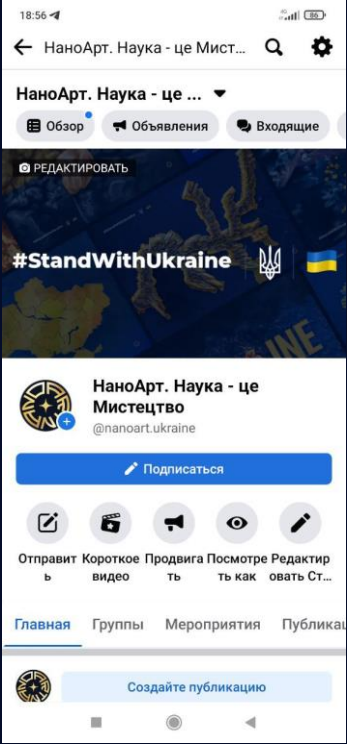
Facebook

Instagram

For the development of this direction, it is necessary to unite in collaborations that will help to find new forms of using an innovative cultural product. We can create patterns and backgrounds for a wide variety of materials. This idea is capable of uniting interior designers, clothing, printing, urban planners, etc.

Remembrance Poppy
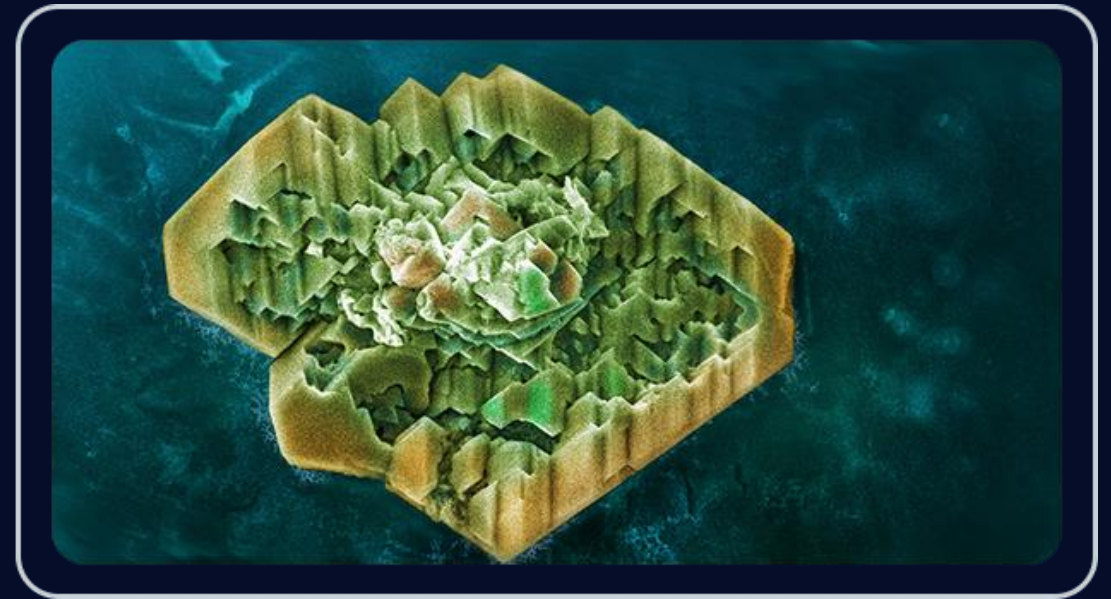
Zmiinyi Island

We are also looking for dialogue and collaborations with nanotechnologists and researchers around the world. Our main mission is to demonstrate the inseparability of science and art as components of the creative process.

NanoArta

Good Evening, We are From Ukraine

Today, art, culture, science, and education must go beyond their usual framework and unite, which will lead to synergistic changes in the creative development of humanity

Science and art should be for peace, not for war

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