

New York Innovator Unveils Breakthrough Olivine Technology to Combat Climate Change and Ocean Acidification

NYC, NEW YORK, UNITED STATES, August 29, 2024 /EINPresswire.com/ -- Nestled along the resplendent Albanian coastlines, where the crystalline waves kiss the rugged shores in a timeless dance, a revolutionary technological marvel is emerging from the embrace of secrecy. Over the past three years, this endeavor has harnessed the profound potential of the green olivine mineral, a catalyst for an unparalleled metamorphosis in our battle against environmental degradation. The results are nothing short of spectacular: a groundbreaking advancement in the permanent capture, storage, and alchemical transformation of the pernicious CO₂ into magnesium carbonates or essential nutrients, poised to rejuvenate global biodiversity.

This audacious technology confronts some of Earth's most formidable challenges—climate change, ocean acidification, and the restoration of marine vitality across the vast expanses of the world's oceans. It promises the ability to scale the conversion of atmospheric CO₂ to a permanent and transformative solution, offering an unparalleled antidote to our ecological crises.

In this era of unparalleled environmental upheaval, the ocean stands as a quintessential pillar of life's sustenance on Earth. It performs a symphony of crucial functions, maintaining our planet's delicate equilibrium: it generates an astonishing 50 percent of the oxygen we breathe,



Ksamil, Albania: Olivine used in beach



Olivine in Ksamil Beach Albania

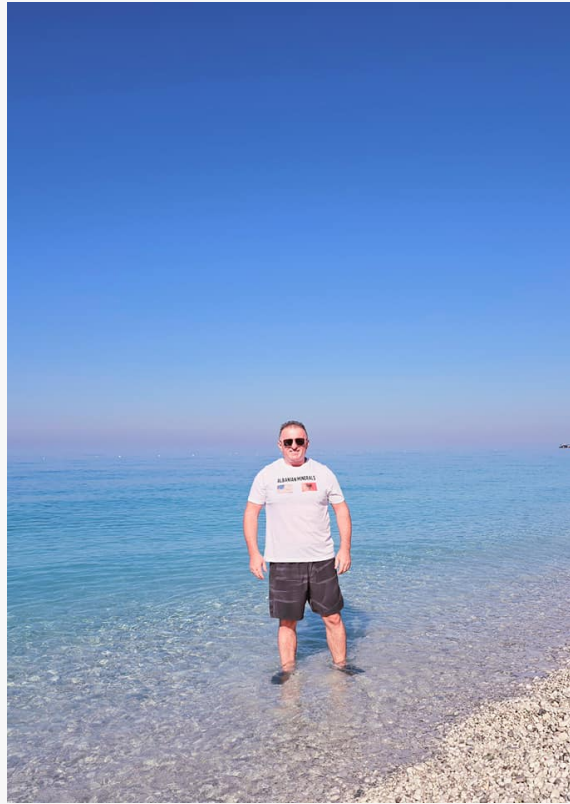
sequesters 25 percent of human-emitted carbon dioxide, and absorbs a staggering 90 percent of the excess thermal energy wrought by these emissions. As both the 'lungs of the Earth' and its grandest 'carbon sink,' the ocean wields an unrivaled role in buffering climate change and preserving the planetary balance.

Yet, despite its indispensable role, the ocean's health teeters on the brink of peril. The relentless surge of carbon emissions has begun to unravel the very fabric of marine ecosystems, leading to a rise in seawater temperatures and acidification. These disruptions erode the ocean's capacity to sequester carbon dioxide and sustain the intricate tapestry of marine life.

Every day, the world's oceans absorb approximately 22 million tons of carbon dioxide from human activities, gradually acidifying seawater and endangering a diverse array of marine organisms—from the tiniest plankton to the most majestic whales. The cascading effects of this acidification not only threaten marine biodiversity but also the human communities reliant on these oceans for their livelihoods and economic stability.

<https://ocean.si.edu/ocean-life/invertebrates/ocean-acidification>

The plight of ocean acidification is particularly acute in two vital planetary ecosystems: coral reefs and polar regions. Coral reefs, which provide essential coastal protection in tropical and subtropical zones, face an existential threat as their natural erosion rates outpace their capacity for regeneration. This degradation has profound



Sahit Muja CEO Albanian Minerals

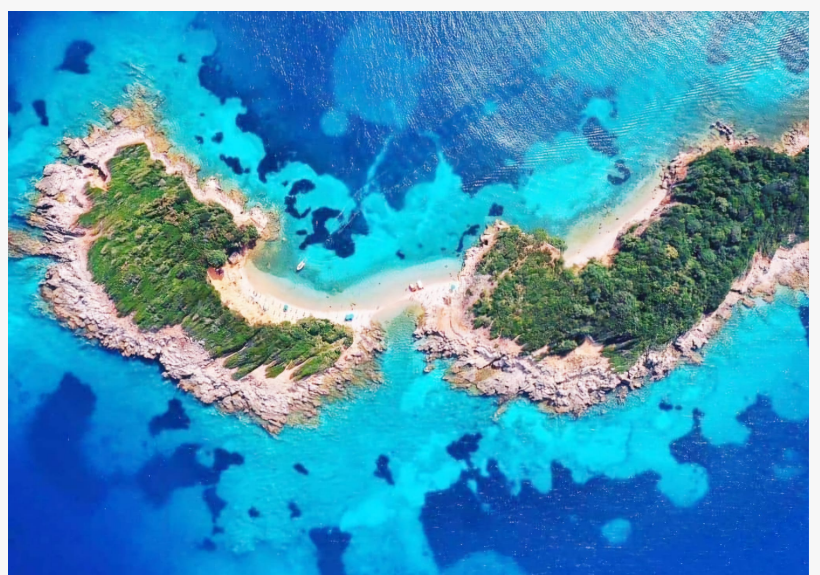


Sahit Muja

implications for interconnected ecosystems like mangroves and seagrasses. Meanwhile, in the polar regions, marine plankton such as pteropods are displaying weakened shells and thinner exoskeletons, disrupting the food chain and heightening risks to species like salmon, mackerel, and baleen whales.

At the intersection of visionary innovation and environmental stewardship stands [Sahit Muja](#), an Albanian-American magnate whose transformative influence reverberates across industries. As Chairman and

CEO of illustrious enterprises such as Global Mining, Green Minerals, and [Albanian Minerals](#), Muja's impact is profound and expansive. With a [net worth exceeding \\$3.5 billion](#), he has overseen the discovery of over 1 trillion tons of invaluable minerals, including the world's largest reserves of magnesium olivine, totaling 100 billion tons. His vast portfolio also includes high-grade chrome ore, nickel, cobalt, gold, silver, copper, platinum, palladium, aluminum, iron ore, manganese, and rare earth elements.



Olivine in Ksamil Beach Albania

From humble beginnings, Muja's rise to global prominence exemplifies the American dream. His journey—from harvesting medicinal flowers in his youth to managing the world's largest hyperaccumulating flower farms—embodies a narrative of resilience, tenacity, and visionary leadership. In the energy sector, Muja's investments in wind, hydropower, and solar energy reflect a profound commitment to sustainable development, projecting substantial value into the hundreds of billions.

A vanguard in the application of magnesium, Muja is at the forefront of groundbreaking research in magnesium batteries and hydrogen production, aligning with broader sustainable energy objectives and challenging established paradigms.

Unveiling a Revolutionary Approach to Ocean Health

From the bustling heart of New York, Sahit Muja articulates his transformative vision: "We stand on the precipice of a monumental breakthrough in our quest to combat ocean acidification and climate change. Our pioneering solution entails a sophisticated synergy of green rock—specifically magnesium silicates, olivine—and a meticulously engineered blend of essential minerals. This approach is designed to address the dual challenges of ocean pollution and mineral depletion through a series of environmentally harmonious practices."

Muja elaborated on this innovative methodology: “Our approach involves the meticulous extraction of these minerals, employing energy-efficient technologies, and utilizing electric trains and eco-conscious shipping methods for their transportation. The processed minerals are then strategically disseminated over targeted marine environments. This strategy is unrivaled in its efficiency, security, and cost-effectiveness in mitigating climate change and alleviating ocean acidification.”

He underscored the groundbreaking nature of their product: “Our high-grade olivine variant, combined with the untapped potential of ocean wave energy, possesses the extraordinary capability to convert CO₂ into magnesium carbonates. This process not only replenishes oceanic nutrients but also significantly enhances the overall health of marine ecosystems. Enhanced green rock olivine weathering represents a comprehensive solution, addressing atmospheric carbon reduction, nutrient supplementation, and the alleviation of ocean acidification.”

Acknowledging the vast and largely untapped energy potential of ocean waves, which cover 70 percent of the Earth’s surface, Muja highlighted the immense opportunity for renewable energy. “The estimated potential of ocean wave energy could fulfill up to 500 percent of current global electricity demand. By leveraging this energy to accelerate olivine weathering, we can markedly enhance the natural process of carbon dioxide capture,” he noted.

Muja proudly positions Albanian Minerals as the custodian of an unparalleled global mineral reserve, emphasizing their unmatched magnesium olivine reserves capable of capturing 100 percent of global CO₂ emissions. This cutting-edge technology, currently in advanced stages of development, promises not only cost-effectiveness and scalability but also a profound and enduring impact on global environmental health.

A New Epoch of Environmental Innovation

The Magnesium Olivine-based Natural Green Wonder offers a comprehensive array of assurances:

- 100% natural and eco-friendly
- 100% effectiveness in enhancing soil and water nutrition
- 100% efficiency in CO₂ removal, with 1 ton of olivine sequestering 1 ton of CO₂
- 100% guarantee of permanent CO₂ storage as magnesium carbonate
- 100% commitment to regulating land, water, and ocean acidification
- 100% dedication to maintaining pH balance in terrestrial environments
- 100% assurance of increased productivity and vegetative growth
- 100% guarantee against land desertification and degradation
- 100% provision of 20 essential minerals for all life forms
- 100% commitment to purifying land and water from toxic contaminants
- 100% assurance of improving the quality of the food chain
- 100% guarantee of reducing mineral deficiencies and refining water quality

100% assurance against land erosion and degradation

100% dedication to enhancing biodiversity and energy levels across ecosystems

100% commitment to combating climate change

<https://www.forbes.com/councils/forbesbusinesscouncil/2024/05/13/unlocking-the-potential-of-olivine-to-drive-sustainable-innovations/>

Sahit Muja passionately asserts, "In our endeavor to sustain nearly 8.2 billion people, myriad animal species, and a vast array of plant life, Albanian Minerals is resolutely committed to the global dissemination of this groundbreaking mineral blend. This monumental advancement in natural supplements signifies a cornerstone of the 21st century, heralding a new epoch of environmental sustainability and regenerative solutions. This extraordinary innovation represents the quintessence of life itself and a transformative leap towards a harmonious coexistence with our planet."

David Greenberg

Green Innovation

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