

# The worlds cleanest air country inspires innovative olivine-based climate solutions

NYC, NEW YORK, UNITED STATES, April 26, 2024 /EINPresswire.com/ -- Our planet is teetering on the brink of a grave crisis brought about by climate change, primarily driven by human activities like CO2 emissions and rampant deforestation. The fallout from this crisis includes toxic air and water pollution, which tragically claim millions of lives each year. Adding to the urgency, severe weather events are escalating in frequency and severity, while rising temperatures persist unabated. Simultaneously, our oceans are acidifying at an alarming pace, disrupting vital ecosystems crucial to the planet's well-being. In the face of this existential threat to humanity, can we tap into natural solutions to confront these daunting challenges?



Sahit Muja, CEO at Albanian Minerals

According to Sahit Muja, CEO of [Albanian Minerals](#) and a prominent New York executive leading efforts in natural solutions to combat climate change, "Mother Nature has provided us with exemplary models and abundant tools and materials fully equipped to address the world's greatest challenges." Muja further emphasized, "For approximately 30 years, I have dedicated myself to studying nature to uncover exemplary models and natural solutions." He invites us to explore one of his most compelling examples in today's world.

Sahit Muja, CEO of Albanian Minerals and a prominent figure in New York's executive sphere, leads initiatives in harnessing natural solutions to combat climate change. He asserts, "Mother Nature has bestowed upon us exemplary models and an abundance of tools and materials, fully equipped to confront humanity's most pressing challenges." With a dedicated focus spanning three decades, Muja has delved into the intricate workings of nature to unearth exemplary models and natural remedies. He extends an invitation to delve into one of his most compelling contemporary examples.

In his discourse, Muja redirects attention to a captivating locale nestled within the vast expanse of the Pacific Ocean—an idyllic island sanctuary renowned for its unparalleled air quality: [Guam](#).

Positioned as the largest landmass in the Mariana archipelago and the westernmost bastion of the United States, Guam stands as a beacon of ecological consciousness and natural magnificence. Its crystalline cerulean seas, secluded shores embellished with pristine white and verdant sands, and luxuriant emerald expanses of tropical rainforests offer an unparalleled sensory journey. Encompassing 212 square miles (342 sq. km), Guam emerges as a pinnacle destination, epitomizing a singular distinction—the purest air recognized by humankind.

After more than a decade of intensive research on Guam, Sahit Muja has arrived at an outstanding conclusion: the findings hold immense potential for large-scale applications aimed at purifying air, land, and water resources. The mineral composition prevalent in this idyllic paradise primarily comprises volcanic rocks rich in olivine and various silicates. Bolstered by substantial rainfall and Guam's tropical wet/dry climate, a remarkable process of weathering unfolds, enriching the land and water with essential nutrients. Of significant note, magnesium ions present in the environment play a pivotal role in sequestering CO<sub>2</sub> and catalyzing its conversion into carbonates, vital for sustaining life forms.

Furthermore, the flourishing forests on the island contribute positively to this ecosystem. Guam's warm waters teem with a diverse array of marine life, including hundreds of species of coral, fish, and other aquatic organisms. These natural elements stand as testament to the island's pristine environment, untouched by rampant industrialization and excessive development.

At Albanian Minerals, Sahit Muja emphasizes that nature's examples have been highly inspiring in shaping a vision toward finding solutions. After selecting olivine, a high-grade magnesium silicate, as a green mineral, our geological teams have dedicated 30 years to sourcing the highest-quality grades of this mineral. Collaborating with scientific forefront teams, we've made significant strides in utilizing olivine for CO<sub>2</sub> sequestration in both land and water, achieving unprecedented success in the industry.

Utilizing olivine in ocean environments has yielded remarkable results in CO<sub>2</sub> sequestration, acidity reduction, and fostering nutrition for marine vegetation and biodiversity. Presently, we are focused on expediting the process by replicating environments akin to Guam's, employing green energy in micron-sized crushing operations.

For the removal of metals like Nickel, Cobalt, Manganese, and Chromium, we employ two distinct technologies. One involves hyperaccumulating plants, while the other, in its final stages of development, utilizes green energy for the separation of these crucial metals in the green transition process. This also yields high-grade olivine, suitable for organic fertilizer production and environmentally friendly CO<sub>2</sub> sequestration, transforming harmful gases into beneficial mineral carbonates.

According to a profile featured in Forbes, Sahit Muja is recognized as a self-made billionaire, boasting a personal net worth exceeding \$3.5 billion USD. Mr. Muja holds the esteemed positions of Founder and CEO at Albanian Minerals, Green Minerals, and Global Mining. Under

his leadership, these entities oversee a mineral portfolio renowned for holding the world's largest reserves of olivine, with assets valued at over \$100 billion USD in the mining sector.

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