

**FOR IMMEDIATE RELEASE**

**JEEVAN FOUNDING TEAM'S RESEARCH PUBLISHED IN *SCIENCE ADVANCES***

Bethlehem, PA — March 8, 2023 — Today, the leading scientific journal *Science Advances* [published a research article](#) authored by Jeevan Climate Solutions' founding team, demonstrating a substantial improvement to existing Direct Air Capture processes.

Jeevan Chief Executive Officer Dr. Arup K. SenGupta and Jeevan Lead Scientist Dr. Hao Chen jointly published their research which underpins Jeevan's proprietary DeCarbonHIX carbon removal platform.

"We are excited that our research was published today, after extensive peer review and years of research. Today, we believe we have a clear path to highly efficient Direct Air Capture, enabling the capture of CO<sub>2</sub> at substantially less than \$100 per ton," said SenGupta. "In addition to the highly efficient removal of CO<sub>2</sub>, our platform is also able to convert CO<sub>2</sub> into sodium bicarbonate through exposure to seawater. By enabling both our energy efficient thermal DAC process as well as our novel seawater DAC process, we believe our DeCarbonHIX platform will be a key tool in the fight against climate change."

The technology is based on decades of research led by Dr. SenGupta, and has also been deployed in water purification use cases around the world. The research was developed in association with Lehigh University, with support from the Department of Energy, Department of Interior, and Pennsylvania Infrastructure Technology Alliance.

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About Jeevan Climate Solutions:

Jeevan Climate Solutions is a leading climate technology startup based in Bethlehem, PA. Founded by Dr. Arup SenGupta, an internationally acclaimed chemical, biomolecular, and environmental engineer, the company specializes in direct air capture (DAC) technology. Leveraging the DeCarbonHIX resin technology from the HIX Technology Platform, originally developed for water purification, Jeevan Climate Solutions is pioneering an innovative and highly-efficient carbon capture process to combat climate change and secure a sustainable future.