Chemistry **Materials**

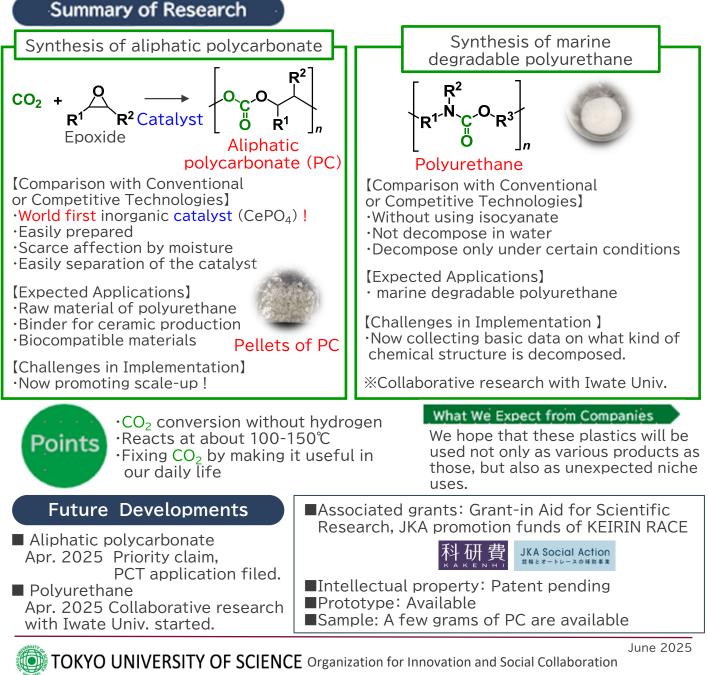
Plastic production from CO₂

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Purpose of Research

To produce useful plastics for our daily lives from carbon dioxide (CO_2) which is known as a main substance of causing global warming. At present, most of the plastics are derived from fossil fuels. However, the depletion of fossil resources and the burning of used plastics releases large amounts of CO₂ into the atmosphere. Instead, our laboratory is working on the production of plastics from CO_2 as a new carbon resource which can replace fossil fuels. CO_2 is abundant in nature and is attractive because it is non-toxic, non-flammable and inexpensive.



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