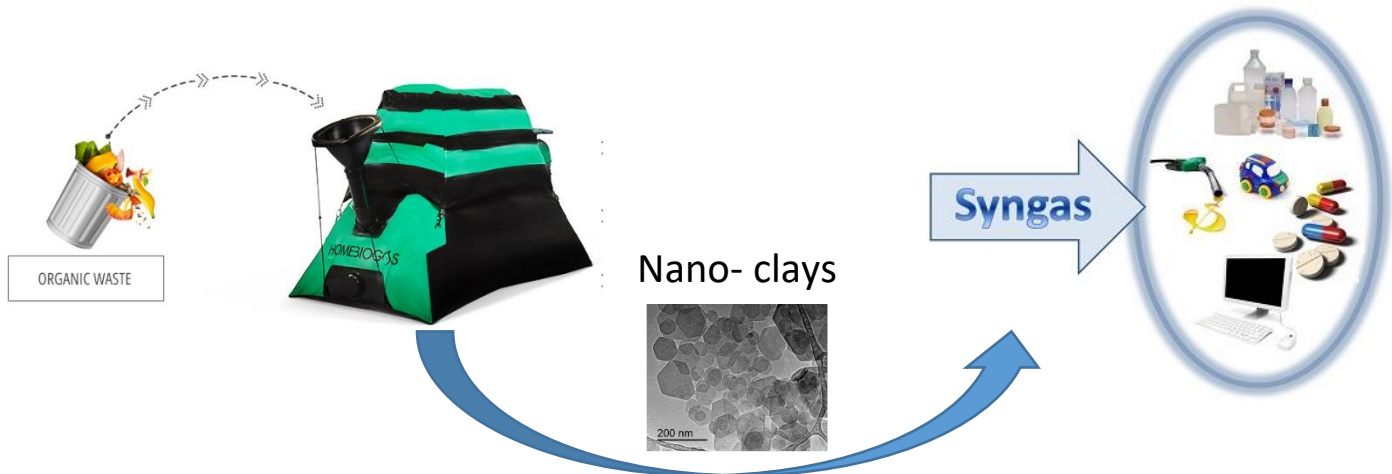


Open Position For PhD/MSc

The lab currently has an open MSc/PhD position for research on energy efficient catalysts for the conversion of carbon dioxide and methane to sustainable fuels and chemicals.



The research part of a Ministry of Energy project focused on development of the synthesis and development of industrially relevant nano-clays as catalysts for conversion of biogas ($\text{CH}_4 + \text{CO}_2$) to hydrogen and carbon monoxide (Syngas). We have recently shown that these versatile nano-materials can dramatically improve catalyst performance under reaction. The student will learn to operate cutting-edge analytical techniques for studying solid catalysts. He/She will be trained how to design, make and evaluate solid catalysts.

A success of this research will provide an important building block for the small scale conversion of biogas to fuels and chemicals. The knowledge and tools learned under this research will also be highly relevant to many other reactions with high environmental impact.

A successful candidate is:

- Curious and passionate on working in the energy field
- Highly Motivated to solve environmental challenges
- Background in chemical engineering/chemistry/material engineering or related fields.

For more information on the group see <https://gazit.technion.ac.il/>. To apply please send an updated CV to Asst. prof. Oz Gazit (ozg@technion.ac.il)