Mankind is confronted by challenges that need to face the indispensable contributions generated by knowledge acquired through science and technology.

The center aims to find solutions through research. Participation in this exercise includes not only professionals and support staff of the Center, but also:

a) Other research centers and related departments at UVG
b) Graduate students
c) Professionals outside of UVG

The financial support of the University is used to maintain the backbone of this structure and operation.

Different goals are achieved through projects with external funding and specific donations. Center professionals participate in education by: formal department courses, specific workshops, conferences, and fieldwork.
The Biochemical Engineering Center aims to find solutions through research with a long-term vision, but with targets that may be achieved in the short term. It works according to its capacity and infrastructure within the framework of Guatemala’s available resources.

**Active subject areas and interest:**

Mankind is confronted with challenges that need to use the essential contributions made by science and technology. Some of these challenges are:

- Food security through sustainable agriculture.
- Renewable energy sources for transport and electricity generation.
- Clean water supply.

- Public health, disease prevention, development of new drugs, and medical genomics.
- Re-use of waste.
- Carbon fixation and preservation of biodiversity.