

Glycerin Waste Treatment – Solid-Liquid Extraction

Topic suitable for Bachelor Thesis / Plant Design

Second-generation biofuels make an important contribution to the gradual de-carbonization of fossil fuels. During the production of such biofuels from crude glycerin, a waste stream of glycerol polluted with different organic and inorganic compounds is produced. In the FFG-financed joint industrial research project INTEGRAL, a process for the separation of this mixture into usable feed stocks shall be found. For this purpose, a fully digitized pilot plant has been constructed in CEET's technical center. Now, investigations on the behavior of the plant can commence.



Many different tasks are available:

- Determination of process limits
- Investigations on plant scale-up behavior
- Design and Construction of solids handling equipment

