

Photo of the Microwave and Extraction System and a Schematic Design

Purification and liquid-liquid separation



Continuous microwave extraction

Solid-liquid separation

Figure 1. Microwave extraction and separation system

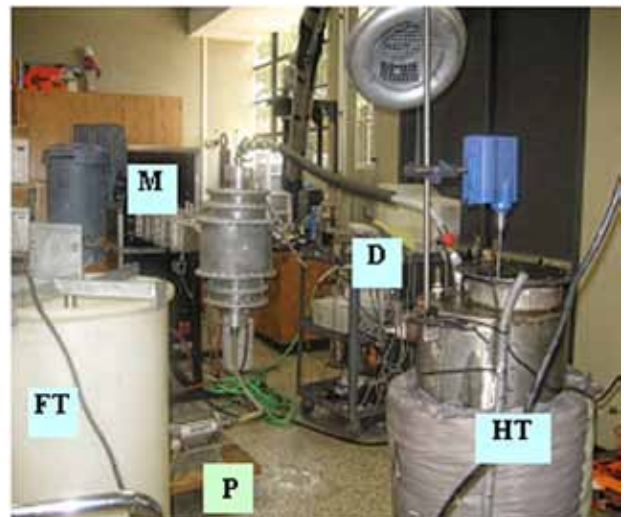
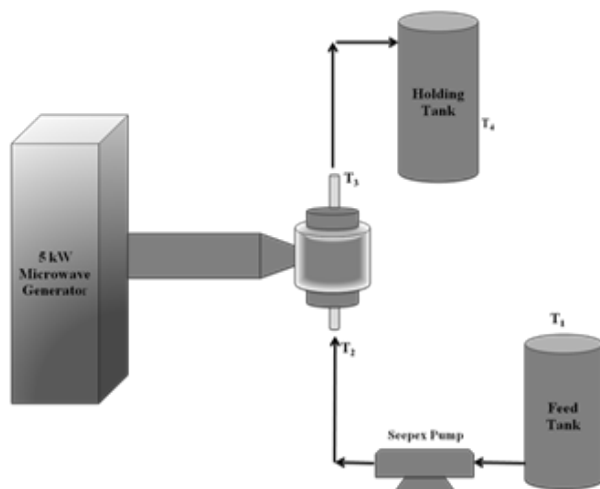


Figure 2. Schematic design (left) and actual set-up of the pilot scale continuous microwave assisted extraction system (right). T1-T4 indicates the thermocouple locations along the process line, M- microwave, P-pump, FT- feed tank, HT- holding tank, D- data acquisition system.