Appendix 1: Potential high-pressure application areas.

High Temperature/High Pressure

- 1, Material Science Applications
 - 1A, Production of Pore-free materials, such as polymers
 - 1B, Production of Black Phosphorus
 - 1C, Machining, processing and development of superhard materials
- 2, Supercritical Fluids
 - 2A, Supercritical CO₂ extraction
 - 2A1, Applications on Industry
 - 2A1a, Extraction of animal oils, such as mink oils
 - 2A1b, Possible Li-ion battery recycling
 - 2A2, Applications on Food
 - 2A2a, Extraction of essential oils
 - 2A2b, Extraction of aromatic compounds
 - 2A2c, Extraction of antioxidants
 - 2B, Depolymerization with Supercritical Fluids
 - **2B1**, Recycling of composite materials containing polymers
 - **2B1a**, Carbon fiber recycling
 - 2B1b, Glass fiber recycling
 - 2B2, Depolymerization of pure plastics for recycling
 - 2B3, Lignin depolymerization
 - **2B4**, Supercritical Water Oxidation
 - **2B4a**, Oxidative destruction of halogenated compounds, such a dioxins
 - 2B4b, Oxidative destruction of organic chemicals, such as Furan
 - ${\bf 2B4c}$, Production of fuel gasses, such as H_2 , CO, and CH_4 , from Biomass
- 3, High Pressure Pasteurization
 - **3A**, Jams
 - **3B**, Soups
 - 3C, Juice
 - **3D**. Meat
 - 3E, Diary