**DISCIPLINA: Introdução à Tecnologia de Fluido Supercrítico** **CH: 60h**

**EMENTA:**

O que é Fluido Supercrítico;

Diagrama de fases do dióxido de carbono;

Sistema, equipamentos e processos;

Aplicações da Tecnologia de Fluido Supercrítico;

**BIBLIOGRAFIA:**

Smith & Inomata & Peters. INTRODUCTION TO SUPERCRITICAL FLUIDS, 1st Edition, Elsevier Science, 2013.

Stanley I. Sandler. CHEMICAL, BIOCHEMICAL AND ENGINEERING THERMODYNAMICS. Fourth Edition, John Wiley & Sons. 2006.

Sun. SUPERCRITICAL FLUID TECHNOLOGY IN MATERIALS SCIENCE AND ENGINEERING. " Syntheses, Properties, and Applcations. Marcel Dekker, 2002.

M. Angela A. Meireles. EXTRACTING BIOACTIVES COMPOUNDS FOR FOOD PRODUCTS.CRC Press. 2009.

Gerd Brunner. GAS EXTRACTION "An Introduction to Fundamentals of Supercritical Fluids and the Application to Separation Processes". New York, Springer, 1994.