



Plant Physiology

The purpose and aim of the course: the aim of the course is the understanding of the physiological and biochemical functions of plants in all stages of construction as subcellular units, cells, tissues, organs, and body as well as the determination of the causes that trigger the vital events and activities. Knowledge of physiological function of plants is a prerequisite for increasing the main consumer products (cereals, vegetables, Ornamentals, nurseries) or industrial products (medicines, timber, essential oils).

Course Contents: Structure and architecture of the plant and of the cell, the cell's organization in conjunction with the functional action, the molecular composition of plants, energy and enzymes, water and plant cells, water economy in plant nutrients and their participation in the process of metabolic circuit, photosynthesis, respiration, lipid metabolism, physiology of transport in the phloem, assimilation of inorganic nutrients, regulated growth, development and diversification, vegetable hormones, aging and Programmed Cell Death, control of the development of external reasons (temperature, tropism, photoperiodism).