

# Themes of scientific theory and research methodology

## 1. Cognition and knowledge

- Inter- and multidisciplinary approach of ordinary and scientific cognition
- Basic concepts of scientific theory
- The generations of pedagogical research, their nature and their general traits
- Methodological eclecticism/complexity, the pluralism of the approaches, diversity and pragmatism, typologies

## 2. Research design and management, the scientific publication

- The research paradigms, methodologies, the epistemological background
- The determining factors of decisions concerning the research of pedagogical phenomena
- The elaboration of literature, scientific writing, the publication of the results, styles, genres
- Ethics in science and research; the researcher's role and their competencies