

Dr. Fulga TANASĂ

Position: 2005-present – senior researcher, Department of Polyaddition and Photochemistry, “Petru Poni” Institute of Macromolecular Chemistry in Iasi, Romania.

Education: 2003 – Ph. D., “Gh. Asachi” Technical University, Iasi, Romania.

Field of expertise: synthesis and characterization of organic and macromolecular compounds; thermoplastic composite materials designed for various applications ranging from electronics and telecommunications to health care, obtained from high performance polymers and micro-/nanosized fillers (metal powders, carbon black, carbon nanotubes, silica particles, natural and organically modified silicates/clays); thermoplastic composite materials based on recovered and re-/up-cycled waste (thermoplastic polymers; wood; natural ligno-cellulosic fibers; agro-industrial waste) intended for food packaging, automotive industry, and structural applications; phenomena occurring at the interface as a result of the characteristics of the interphase formed between matrix and filler/reinforcement.

Projects: 7 research projects (member); 8 interacademic exchange projects (6 – member; 2 – project coordinator).

Scientific achievements: over 75 papers, including 50 articles in peer reviewed journals (ISI Web of Science – h index: 6, 184 citations; Scopus – h index: 7, 196 citations), 20 chapters in books published at prestigious publishing houses (Taylor and Francis, Wiley-VCH, Springer, Elsevier, Transworld Research Network, Nova Science etc.), over 50 communications in conferences and symposia, and 1 international patent; reviewer for high ranking scientific journals.

Membership: 2000 – present, Romanian Chemical Society.