

Dr. Gülcihan Gülseren

interested in chemical biology which combines methods of chemistry with biological investigations. In this large field, her main focus is functional biomimetic materials with biocatalytic, bioregenerative, therapeutic and cargo delivery applications. In particular, self-assembling peptide nanostructures and fullerene (bucky ball) molecules are selected scaffolds for developing smart biomaterials. Functional materials investigations are centered on understanding natural biomaterials for mimicking artificial ones, therefore her research interest comprehends chemical analysis of natural materials, replication of these molecules with synthetic analogs and application of artificial structures on living systems.

