

Dr. Didem ŞEN KARAMAN obtained her BSc and MSc. (in Chemistry) degree from Izmir Institute of Technology in Turkey and her PhD degree (in Physical Chemistry) from Abo Akademi University, Finland. Her research interest encompasses the design of nanoparticles based drug delivery systems and nano-diagnostic probes and theragnostic nanoparticles. Since 2018, Dr. ŞEN KARAMAN is leading her research group, Nanomedicine and Biomaterials Lab. Her on-going research activities encompasses i) develop nanoparticulate formulations suitable for a broad range of cargo (hydrophobic drugs/hydrophilic drugs/biomolecules/imaging agents) ii) synthesize composite nanostructures for antimicrobial, anticancer and tissue engineering approaches iii) evaluate the potential and applicability of the developed nanomaterials with *in vitro* and *in vivo* assay in the field of biomedical engineering at İzmir Katip Çelebi University –Department of Biomedical Engineering.