

Laboratory Name: Frontier Research Laboratory for Advanced Materials, Filtration and Hygiene Technologies

Company: Arçelik A.Ş.

Laboratory Manager: Dr. Mustafa Sezer

Laboratory Manager Short Biography: Dr. Mustafa Sezer, R&D Laboratory Manager He received his undergraduate degree from ITU Mechanical Engineering in 1986. In 1989, he completed his master's thesis on "Calculation of Elastic Properties of Multi-Layered Fiber Reinforced Composite Materials with Computer Aid" from the Mechanical Engineering Graduate Program of ITU Institute of Science, and in 2000, he completed his Ph.D. thesis on "Fatigue Behavior of Dis continuous Glass Fiber Reinforced Polypropylene" from the same department. Between 1988-1991, he worked as a Research Assistant in ITU Mechanical Engineering Department, Materials and Manufacturing Department. Continuing his career in Arçelik A.Ş. since 1991, Dr. Sezer first served as Material Research Engineer at Arçelik Central R&D and later as R&D Specialist, Assembly and Plastic Production Team Leadership at Arçelik Washing Machine Plant. Returning to Arçelik Central R&D in 2010, Dr. Sezer currently works as the Material Technologies Manager of Arçelik R&D Center. Internationally; He has 1 book chapter and 2 articles, one of which is "Best Article Awarded" and received 1 citation. Has 1 article nationally. He has 16 international patents. It has expertise in polymer and composite materials.

Research Area: Innovative and Sustainable Polymers and Recycling Technologies, Advanced Insulation Technologies, Advanced Surface Technologies and Functional Coatings, Air Filtration, Water Filtration, Hygiene Technologies