

Dr. Hilmi YURDAKUL is currently an Associate Professor at Department of Metallurgy and Materials Engineering in Alanya Alaaddin Keykubat University. He respectively received his BSc (2001) and MSc (2004) degrees from Dumlupinar University in Ceramic Engineering. Then, he started his PhD studies at Anadolu University (2005) and graduated from Anadolu University in 2012 under the Ceramic Engineering PhD. During his PhD, he also worked in Oak Ridge National Laboratory Materials Science and Engineering Division Scanning Transmission Electron Microscopy Group for a sabbatical term whis was supported by TUBITAK 2214-PhD Students' Visiting Scholar Programme. His research interests focus on the unveiling of the structure-property relationship in different ceramic-based advanced materials e.g., Si<sub>3</sub>N<sub>4</sub>, SiAlON and ZrO<sub>2</sub>, by aberration-corrected scanning transmission electron microscopy and electron energy loss spectroscopy techniques. He has over 150 scientific publications including papers and proceedings, and furthermore holds 15 national awards that received own and with his colleagues. He also now directs two SMEs company in the Kutahya Science Park on the production of advanced ceramics and is head of Department of Metallurgy and Materials Engineering in Alanya Alaaddin Keykubat University.