*Mehmet Yagmurcukardes*, received the B.Sc., M.Sc., and Ph.D degrees from Izmir Institute of Technology in 2008, 2011, and 2017, respectively in physics. In 2017 he joined the Condensed Matter Theory (CMT) group, leaded by Prof. Dr. Francois M. Peeters, in the University of Antwerp, physics department as a postdoctoral researcher. After approximately 4 years, he started as an Assist. Prof. at the department of photonics at Izmir Institute of Technology. The research topics of Dr. Yagmurcukardes are based on the theoretical investigations of vibrational, electronic, and piezoelectric properties of low-dimensional materials using density functional theory-based simulations. He is the co- author of more than 60 research articles on ultra-thin materials.