Collaboration of Shanov Group with P&G Led to Filing of 4 Joint Patents by UC and the Cincinnati-Based Company

This year, Dr. Vesselin Shanov, his graduate student Rachit Malik (ME) and undergraduate student Colin McConnell (ChE) successfully completed an 18-month project funded by Procter and Gamble with the topic: “Atmospheric Pressure Plasma Barrier Coatings for Water Soluble Films”. In 2015, P&G came to UC to invite Dr. Shanov’s team to join the company’s efforts for improving the quality of 2 consumer products. Previous experience of the UC team in materials plasma processing and thin film deposition along with the state-of-the-art characterization facilities of Nanoworld and CEAS were critical for selecting Dr. Shanov’s group to conduct the research proposed by P&G. The UC team worked closely together with company researchers and as a result, P&G recently filed 4 joint patents with Dr. Shanov’s team, including the graduate student Rachit Malik and the undergraduate student Colin McConnell. The UC and the P&G teams continue to collaborate in assessing the scale-up of the created technology.