Professor Mohamad Al-Sheikhly

Dr. Al-Sheikhly is a professor of Materials, Bioengineering, Chemical Engineering, Chemical Physics Program, at the University of Maryland. Immediately after his earning his PhD degree from the Radiation and Biophysical Chemistry Laboratory at the University of Newcastle Upon Tyne-United Kingdom, he joined Max-Plank Institute Institut für Strahlenchemie, Mülheim, a.d. Ruhr, Germany. He has been a Guest Scientist at the National Institute of Standards and Technology (NIST) since 1984-2016.

Professor Al-Sheikhly served as a president of the Council on Ionizing Radiation Measurements and Standards, USA 2005-2006. He has served missions and presented courses, and served for many CRP for the International Atomic Energy Agency (IAEA) on the applications of ionizing radiation for the last twenty years. He was the presidents and the organizer of 9th International Symposium on Ionizing Radiation and Polymers, USA, International Conference on Seawater Uranium Recovery, University of Maryland College Park College Park, M, July 19th - 22nd, 2016, The Second International Conference on Ionizing Processes (ICIP2018), Annapolis, Annapolis, Maryland. He has served as a Member of the Scientific Committee of the International Atomic Energy Agency (IAEA)- International Conferences on Applications of Radiation Science and Technology (ICARST), Vienna, Austria, 2018 and 2024. He has received many prestigious awards such as The International Irradiation Association **Laureate Award,** November 2016, The 3M Company faculty-Award, (The 3M Company gift), and ASTM-Committee E10 on Nuclear Technology and Applications, Award of Appreciation" For Outstanding Leadership and Services to ASTM Subcommittee E10-01 As the Chairman of the Task Group that Developed the Revised Standard Guide for Selection and Calibration of Dosimetry Systems for Radiation Processing

His research activities have covered a wide range of disciplines in the in the radiation chemistry and processing, nuclear engineering, radiation synthesis, and degradation of polymeric and metals. He has published numerous papers in the peer reviewed journals in field of the fundamental radiation chemistry and physics, fast kinetics mechanism, and radiation processing, nuclear engineering, radiation synthesis, ands nuclear engineering. He has delivered more than hundred and sixty invited and keynote presentations at national and international conferences. Professor Al-Sheikhly has graduated more than 35 PhD students, which is among the highest in the college of engineering, and tens of master degree students. He has advised more than 40 postdocs and research associates. Prof. Al-Sheikhly has delivered more than 180 invited and keynote presentations at very prestigious international conferences and workshops.