



Nicoleta G. Apostol (b. 1985; other name: Gheorghe) earned her PhD degree in Chemistry at the Institute of Physical Chemistry of the Romanian Academy in 2013, is hired since 2009 in the National Institute of Materials Physics (NIMP) Măgurele, in the group of Surface and Interface Science. Between March 2014 and March 2015 she obtained a Post-Doctoral position at Elettra - Sincrotrone Trieste in Italy, at the SuperESCA beamline (Dr. Silvano Lizzit).

She earned the **"Radu Grigorovici" Prize of the Romanian Academy for 2012**, awarded for the group of works "Surface and interface phenomena highlighted by electron spectroscopies XPS/Auger and other characterization techniques of surfaces and interfaces", date of award 19th December 2014, is **one of the winners of the L'Oréal - UNESCO National scholarship "For Women in Science", section Physical Sciences, 9th edition, 2018**, and she earned the **1st prize at the "Rada Mihalcea" awards for young researchers in science and engineering, in August 2019**. Currently, she is employed as Senior Scientist II, author or co-author for 93 papers published in ISI quoted journals and 7 book chapters, 30 oral presentations or invited to national/international conferences, project manager for 3 national projects: a Post-Doctoral Project and 2 Young Research Team projects. And was also involved in many projects for the popularization of science (H2020-MSCA-NIGHT-2020: nr. 954638/2020, HORIZON-MSCA-2022-CITIZENS-01). The main objective of her most recent Young Research Team project was the study of carbon monoxide (CO) intercalation and reactions involving CO (insertion, oxidation and desorption) with the aim to synthesize hydrogen or alkanes (Fischer-Tropsch reaction) at the graphene (Gr)/Pt(001) surface, by way of high resolution XPS, NEXAFS, LEED, STM and TPD methods, using synchrotron radiation.

Between 2019-2023, she was a member of the evaluation committee of the Rada Mihalcea competition for Young Researchers in Science and Engineering, is co-responsible within the IOSIN – Special Systems and Objectives of National Interest –programme and is one of the persons responsible for CoSMoS (detached installation at the SuperESCA beamline, from the Elettra Synchrotron, in Trieste, Italy) and co-responsible for XPS spatial resolution in INCDFM. She was recently elected as the leader of the NIMP employees' Union. **The published works have accumulated about 1600 citations (self-citation excluded) and a Hirsch index of 25**. These are elements defining a solid scientific reputation at international level and the ability to extract the maximum information from X-ray Photoelectron Spectroscopy.

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