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Dr. Oana Cătălina Mocioiu is a senior researcher in Department of Oxide Compounds and Material Science into Institute of Physical Chemistry "Ilie Murgulescu" of the Romanian Academy since 2000. She grew up in Romania and received her Bachelor's degree from the University POLITEHNICA of Bucharest in 1999. She obtained her PhD degree in Chemistry from School of Advanced Studies of the Romanian Academy (SCOSAAR) in 2008.

Her activity was focused on synthesis and characterization of glasses, enamels, oxides, biomaterials and nanomaterials. The materials were obtained by classical ceramic route and by chemical routes as sol-gel, hydrothermal method, metal oxide decomposition and so on. She has also experience in measurements/ data interpretation for different methods of characterization such as FTIR, RAMAN, DTA, XRD, SEM/EDAX, dilatometry, heating microscopy. In her PhD thesis, Flynn-Wall-Ozawa method, Kissinger-Akahira-Sunose, Johnson-Mehl-Avrami-Erofeev-Kolmogorov, and IKP methods were used for kinetic study of the non-isothermal crystallization of glasses. She published 75 scientific papers in referred journals and conference proceedings, one book published at Editura Academiei Romane, 2 book chapters published at Springer. She participated in more than 27 national and international projects.