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SHORT BIO:

Maria Zdończyk is a postdoctoral researcher at the E-BEAM Centre at VSB – Technical University of Ostrava (Czech Republic), where she works on thin organic films and their transformations under electron-beam irradiation. She obtained her PhD in chemistry, focusing on luminescent sol-gel and ionogel thin films for optical sensing including systems designed for high-temperature stability and time-temperature indicators. In her current research, she investigates how electron beam can be used to drive and control chemical and functional changes in organic and hybrid layers, aiming toward spatially programmable, multi-state material responses.