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Dr. Marianna Marciszko-Wiąckowska is a specialist in X-ray diffraction (XRD) stress measurement and materials science. As an Adjunct Professor at AGH University of Science and Technology, she focuses on advanced diffraction techniques for analyzing stress evolution in steels and alloys. Her research includes intergranular elastic interactions, plastic incompatibility stresses, and stress gradients in plastically deformed materials. She has contributed to developing multi-reflection XRD methods and is actively involved in academic publishing, serving as a guest editor for studies on structural materials.