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Biomedical Applications of magnetoactive smart materials: You are what you synthesize (invited)

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Nanoengineered magnetic smart materials (MSM) have been widely explored for applications that include theragnostic, drug delivery, biocoatings, tissue engineering, therapeutics, and even SARS-CoV-2 detection tools. Given the wide biomedical-related potential applications of MSMs, significant achievements have been reached during the last decade, particularly on MSMs composed of magnetic nanoparticles and environmentally friendly polymers.

This talk will reveal the reason behind the huge popularity of this type of materials, going from the soul of the Earth to the deep history of ourselves.