

Supplementary material for the article:

Ognjanović, M.; Dojčinović, B.; Fabián, M.; Stanković, D. M.; Mariano, J. F. M. L.; Antić, B. Microwave Assisted Hydrothermal Synthesis of (Fe,Co)₃O₄ Nanoparticles in the Presence of Surfactants and Effects of Co/Fe Ratio on Microstructure and Magnetism. *Ceramics International* **2018**, *44* (12), 13967–13972. <https://doi.org/10.1016/j.ceramint.2018.04.246>

Supplementary material

Microwave assisted hydrothermal synthesis of $(\text{Fe,Co})_3\text{O}_4$ nanoparticles in the presence of surfactants and effects of Co/Fe ratio on microstructure and magnetism

Miloš Ognjanović^{1*}, Biljana Dojčinović², Martin Fabián^{1,3}, Dalibor M. Stanković^{1,4}, José F. M. L. Mariano^{1,5} and Bratislav Antić¹

¹The “Vinča” Institute of Nuclear Sciences, University of Belgrade, POB 522, 11001 Belgrade, Serbia

²Institute of Chemistry, Technology and Metallurgy, University of Belgrade, Studentski trg 12-16, 11000 Belgrade

³Institute of Geotechnics, Slovak Academy of Sciences, Watsonova 45, 04001, Košice, Slovakia

⁴Innovation Center of the Faculty of Chemistry, University of Belgrade, POB 522, 11001 Belgrade, Serbia

⁵Department of Physics and CeFEMA, Faculty of Science and Technology, University of Algarve, Campus de Gambelas, Faro 8005-139, Portugal

*corresponding author: Miloš Ognjanović, The “Vinča” Institute of Nuclear Sciences, University of Belgrade, P. O. Box 522, 11000 Belgrade, Serbia. E-mail: miloso@vin.bg.ac.rs Phone: 00381

11 3336829

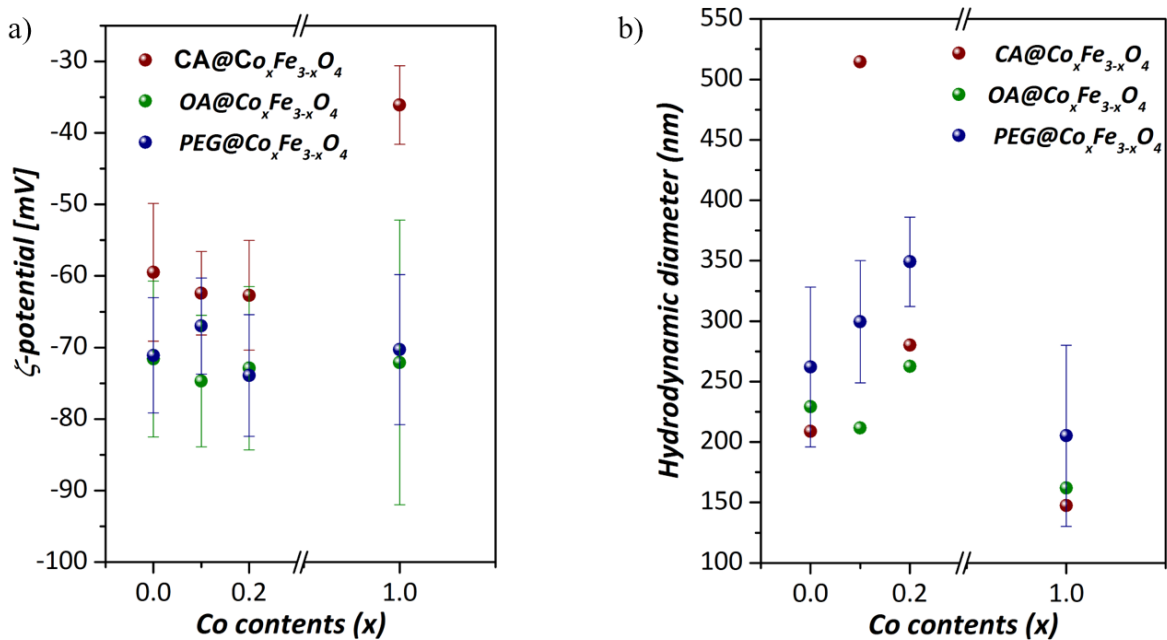


Figure S1. (a) Zeta-potentials dependence of Co content in $\text{Co}_x\text{Fe}_{3-x}\text{O}_4$ for different coating compounds (b) hydrodynamic radius dependence of Co content in $\text{Co}_x\text{Fe}_{3-x}\text{O}_4$ for different coating compounds