Referee report on manuscript with Manuscript ID: nanomaterials-483529-V3
Title: “Study of Magnetic Properties of Fe_{100-x}Ni_{x} Nanostructures Using the Mössbauer Spectroscopy Method”
By Kadyrzhanov et al.
Journal: Nanomaterials

I have now gone through the second revised version, which looks much better, and the authors have responded to most of my points. The manuscript is hence recommended for publication in Nanomaterials after some minor corrections listed below, which are important in science.

Other comments

i) A range should be in the form of “6 – 9 kOe”. Still wrong “range notations” are used in several places.

ii) Figure 1b: As this is a real SEM image, specify which sample it is.

iii) Table 1: A column with centroid shifts is needed.

iv) Line 173: I don’t believe it is possible to have such precision, 47.4 ± 0.2. A more realistic is: 47 ± 1°.

v) Table 2: Although a Mössbauer fitting software may give intensity values such as 79.2 ± 0.4, it is obvious that such precision is “wrong”. The intensities should be rounded to integers, for example 79 ± 3.

vi) Table 2: The uncertainties should be with one significant figure: for example, -0.026 ± 0.003 (several places in the table).

vii) Line 242: Such precision, 0.0027 ± 0.0006, is not realistic. 0.003 ± 0.001 is more realistic.