

Regarding the “...different mechanoelectrical transformations in hypocenter of the earthquakes...” we believe that the author has to use the term “generation mechanism”.

I agree with the referee. The phrase was changed on “...various EM emission generation mechanisms in hypocenter of earthquakes.” Suggested publications are mentioned now.

Regarding the “The difficulty of studying the seismic-electromagnetic (SEM) precursors’ nature consists in the absence of precise description of the processes that occur in the zones where the earthquakes are preparing”. This is not correct. A number of models has describe-propose models on the processes that generate SEM signals appears.

The model, by itself, is a simplified representation of a real object or a process; even a complex one can’t take into account all details of a real object. However, there are many good models that give us new and useful information about possible processes running in hypocenters of earthquakes (Gershenzon and Bambakidis, 2001). But they are still unverified. The fact that a variety of models exists tells us that there is no common understanding of seismo-electromagnetic generation mechanism.

Regarding the “Also, a big amount of technogeneuous EM interferences makes detection of SEM signals complicated.”

Thank you for the interesting references. I will mention a corresponding article in the given sentence.

Regarding the “In the next paragraph the author addresses the laboratory experiments show reporting that “...even those that do not contain piezoelectric materials, can generate EM emission in wide frequency range, under mechanical stress At this stage a long collection of experimental results exists where the author has to state”.

Few of the suggested articles will be mentioned.

Regarding the “...choice of VLF–ULF range for our researches is associated with the distinctive features of a long EM wave propagation in different mediums. Obviously, some part of the EM radiation, generated in the hypocenter of the earthquake, can reach Earth surface.” The author has to justify this statement.

The reference was added. Also I have made minor changes in the sentence: “There is a possibility that some part of the VLF-VLF EM radiation, generated in hypocenter of an earthquake, can reach Earth (Mognaschi, 2002)”.

Regarding the “Also we took in consideration the net of seismic-electromagnetic stations, situated in Magadan region. These stations register EM anomalies, probably of seismic nature, in VLF range.” The author has to make clear what is the meaning of this paragraph, explaining in details why the SEM station in Magadan are refereed.

The network of our SEM stations functions in VLF band. It was one of the reasons why we have chosen the same frequency range for laboratory experiments. We plan to use laboratory results for the research of the recorded EM anomalies which are possibly of earthquakes’ origin. Perhaps it’s better to rephrase the sentences: “Also we took in consideration the working frequency range (VLF) of the seismic-electromagnetic stations network, situated in our region.”

English will be checked. Corresponding changes will be reflected in final version of the article.

References

Mognaschi, E. R.: On the possible origin, propagation and detectability of electromagnetic precursors of earthquakes, *Atti Ticinensi di Scienze della Terra*, vol. 43, 111-118, 2002

Gershenson, N. and Bambakidis, G.: Modeling of seismo-electromagnetic phenomena, *Russian Journal of Earth Sciences*, vol. 3, no. 4, 247–275, 2001.