

Earthquake precursors as seismo-electromagnetic phenomena: achievement of late emeritus professor Motoji Ikeya.

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It has passed 12 years since the Kobe Earthquake. The late emeritus professor Motoji. Ikeya started his study on various earthquake precursors at the age 54 in 1995. He was a pioneer of ESR dating until then, and his only link to seismology was the study of fault gouge by ESR at that time. He was shocked by the number of victims in the earthquake and that urged him to the study of earthquake precursors. In those days, the criticism to the studies on earthquake forecasting, which consuming huge budgets, were growing in Japan. Studies by Ikeya never categorized in such big projects, though various negative judgments on any precursor-studies were poured on him. While, his attitude to the earthquake precursor phenomena was quite fair and he tried to arrange such uncertain matters to scientific subjects. His study based on repeated experiments and theoretical examination led a view that most of precursors can be explained by electromagnetic phenomena and bore a fruit as a book of Earthquake and animals. I would like to pick up some of his research works and would like to discuss still remaining problems on earthquake precursors.