

Chemical mechanism of acidic spring water

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Recently, acidification of lakes, rivers or soils has caused negative impact on fishes or trees. The effects of acidified water in environments are concerned as a social problem. In the researches on acidic water in the environments, scientific interests are mainly on acid rain or volcanic geothermal water. By contrast, researches on the other chemical mechanisms are relatively rare.

Acid mine drainages draining from abandoned mines have been causing environmental problem in various non-volcanic parts of Japan. However, researches on acid mine drainage have been specialized on waste water treatment such as neutralization disposal. Chemical mechanism of acidic spring water has been given only minor attention. This presentation will report the results of survey on naturally acidified water in non-volcanic area and modeling experiment.