

Tsutomu SATO

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Tsutomu Sato received his PhD in applied mineralogy from Waseda University in 1992. He then worked for Japan Atomic Energy Research Institute. His research focused on uranium migration through a natural barrier from the highly-enriched ore body as a natural analogue for safety assessment of nuclear waste disposal. From 1995 to 1997 he worked for Australian Nuclear Science and Technology Organization as visiting scientist. In 1999 he joined to the Department of Geosciences at Kanazawa University as an associate professor. In 2006, he moved to the environmental geology laboratory in graduate school of engineering of Hokkaido University. At present, he is professor and brings his expertise to bear on a variety of multidisciplinary projects, environmental issues including abandoned mines and waste disposal, natural attenuation of hazardous anions and kinetics and mechanism of mineral dissolution and precipitation at natural hyperalkaline conditions. He has authored/co-authored over 200 research and technical publications, reports, and textbooks. He received young scientist award from The Clay Science Society of Japan (1992), best paper award from The Clay Science Society of Japan (2004, 2010, 2012, 2013, 2014), UK-Japan collaboration awards on green sustainable chemistry with Prof. Roy Wogelius of Manchester University (2005), applied mineralogy award from The Mineralogical Society of Japan (2006), and best paper award from the Mining and Materials Processing Institute, Japan (2010). In addition to his research, he actively supports several geosciences and geoengineering societies and played as a chairman, environmental mineralogy working group of IMA and a standing councillor of The Clay Minerals Society.