



SESEH 2012 Sino-European Symposium on Environment and Health

Galway, Ireland, August 20 - 25, 2012
www.nuigalway.ie/seseh2012

Medical Geology Short Course

Sunday, August 19

08.00 - 09.00 *Registration*

09.00 - 09.30 *Introduction Welcome Remarks and Course Overview*
Jose A. Centeno, IMGGA, USA, Robert B. Finkelman, IMGGA, USA

9.30-10.30 *The Emergent Discipline of Medical Geology – Past, Present and Future*
Olle Selinus – IMGGA, Sweden

10.30-11.00 *Coffee Break*

Environmental Health, Toxicology, and Geochemical Aspects of Medical Geology

11.00- 12.00 *Metals, Metalloids and Trace Elements - A Medical Geology Perspective*
Jose A. Centeno, IMGGA, USA

12.00- 13.00 *Natural and Anthropogenic Sources of Trace Elements in the Environment*
Robert B. Finkelman, IMGGA, USA

13.00- 14.30 *Lunch*

14:30-15:15 *Medical Geology and Health Effects of Lead and Mercury Exposure*
Jose A. Centeno, IMGGA, USA

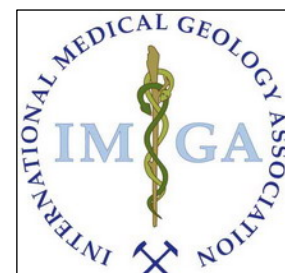
15.15- 16.00 *Trace elements in Medical Geology – Selenium, Selinus, IMGGA, Sweden*

16.00-16.30 *Coffe/teabreak*

16.30-17.30 *Arsenic – A Beneficial Therapeutic Agent and an Environmental Poison*
Jose A. Centeno, IMGGA, USA

17.30-18 15 *Health Impacts of Fossil Fuels – Robert Finkelman, IMGGA, USA*

18.15 *Discussion*



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Monday, August 20

Environmental Health, Toxicology, and Geochemical Aspects of Medical Geology, cont.

08.00-08.30 *Environmental Health and Human Biomonitoring.* Dr. Maurice Mulcahy, HSE West, Ireland:

08.30-09.30 *Chemistry, Toxicology and Health Effects of Mineral Dust– Jose Centeno*

09.30-10.00 *Geophagy – Olle Selinus, IMGGA Sweden*

Database Information and Analytical Aspects of Medical Geology

10.00-11.00 *Trace Element Speciation in Environmental Medicine and Toxicology and an Overview of Analytical methods for the study of trace elements, metals, and metalloids in biological and tissue samples* José A. Centeno, IMGGA

11.00-11.30 *Coffee/Tea Break*

11.45-12.15 *Analytical methods for the study of trace elements and toxic metal ions in geological and environmental samples.* Robert B. Finkelman, IMGGA

12.15-13.00 *Development and Use of International Databases for Medical Geology*
Olle Selinus, IMGGA, Sweden

13.00- 14.30 *Lunch*

Emerging and Future Research Issues of Medical Geology

14.30- 15.15 *Soil – The Essence of Medical Geology* Robert B. Finkelman, IMGGA, USA

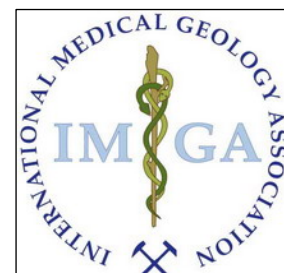
15.15- 16.00 *Health Benefits of Rocks and Minerals* Robert B. Finkelman, IMGGA, USA

16.00- 16.45 *Integrating Earth Sciences and Public Health – Milestones and Future Developments (including Marinduque)* José A. Centeno, IMGGA, USA

16.45-17.15 *Coffee/Tea Break*

17.15- 18.15 *Practical Exercise in medical Geology - All*

18.15 *Discussion and Course Certificates*



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