

Adriana Maras

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Education

Degree cum laude in Natural Sciences University of Rome La Sapienza (16th July 1973).

Experience

- Curator of the Museum of Mineralogy of the University of Rome La Sapienza from 27th July 1973 to 27th Dec. 1985.
- Teaching experience since 1974 (Instructor)
- Associate professor of Mineralogy since 27th Dec. 1985.
- Director of the Museum of Mineralogy of the University of Rome "La Sapienza" since May 2008.
- Coordinator of the PhD course in Applied Science to the Protection of the Environment and Cultural Heritage since April 2011.

Research

Principal investigator of many research groups (MURST, CNR, COFIN 2001, PNRA, Ateneo, Regione Lazio). In 1995 she organized the Advanced X-ray diffraction Laboratory for the application of the Rietveld method in mineralogy and chemistry at the University "La Sapienza" of Rome. Scientific production: 90 publications on national and international journals and 70 convention papers and abstracts.

Principal research topics are: a) crystal chemistry and systematics of alkali-potassic volcanic minerals from Latium; b) advanced methodologies in mineralogy: calculation of IR-active bands, Rietveld methods, and SR-IR reflectance microspectroscopy; c) composition and structure variation in meteorites (chondrites); d) Earth Science teaching and communication. Current studies include phase transformations (alteration) and their kinetics applicable to Cultural Heritage (Michelangelo's blue in the Sistine Chapel, realgar, cinnabar).

Member of the Scientific Board of *Documenta Albana* from 1978 to 2008. Member of the Scientific Board of four Experimental Schools in Energy Dispersive (EDXD) and Angular Dispersive X-ray Diffraction (ADX) held in Rome University, sept. 1999-2002.

Invited to contribute to the 34th Erice Course, 4-15 June 2003.

Invited, as lecturer, to "Archaeomaterials: from Diagnosis to Conservation", 6th General Intensive School on Conservation Science, Évora (Portugal) – 17-24 July 2012.