

CURRICULUM VITAE

Assoc. Professor Antonis A. Koroneos

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Sex: Male Marital status: Married with three children
Nationality: Greek Date and place of birth: 04/06/1962, Athens

EDUCATION

1984: Degree in Geology, School of Geology, Aristotle University of Thessaloniki.
1991: Doctor of Philosophy in Geology, School of Geology, Aristotle University of Thessaloniki.

EDUCATIONAL WORK

1984 - 1991: Professor's assistant in the teaching courses, exercises and field trips on Mineralogy and Petrology, Department of Mineralogy, Petrology, Economic Geology, School of Geology, Aristotle University of Thessaloniki.

1993 - 1995: Professor on Mineralogy and Petrology, Mining Department, Technological Education Institute of Kozani.

1995 - 2001: Lecturer of petrology and geochemistry in Department of Mineralogy, Petrology, Economic Geology, School of Geology, Aristotle University of Thessaloniki.

2001 – 2010: Assist. Professor of petrology and geochemistry in Department of Mineralogy, Petrology, Economic Geology, School of Geology, Aristotle University of Thessaloniki.

2010 – : Assoc. Professor of petrology and geochemistry in Department of Mineralogy, Petrology, Economic Geology, School of Geology, Aristotle University of Thessaloniki.

TEACHING

Petrology of igneous rocks, geochemistry, petrogenesis of igneous rocks (undergraduates), petrology (postgraduates).

SCIENTIFIC WORK

Research

Mineralogy, petrology and geochemistry of magmatic rocks.

Post-graduate specialization

X-ray Fluorescence, Department of Petrology, University of Vienna, Austria, 1986.
Isotopic analysis, Istituto di Geochronologia et Geochimica Isotopica, Pisa, Italy, 1988.

Member of Scientific Societies

Member of Geological Society of Greece.
Secretary of the Economic Geology, Mineralogy and Geochemistry Committee of the G.S.G. for the period 1998-2000 & 2000-2002

Member of Geotechnic Chamber of Greece.

Member of the Scientific Society of the Mineral Wealth Technologists.

SELECTED SCIENTIFIC PAPERS

CHRISTOFIDES, G., SOLDATOS, T. and KORONEOS, A. (1990). Geochemistry and evolution of the Fanos granite (N. Greece). *Mineralogy and Petrology*, **43**, 49-63.

KORONEOS, A., CHRISTOFIDES, G., DEL MORO, A. and KILIAS, A. (1993). Rb - Sr geochronology and geochemical aspects of the Eastern Varnountas plutonite (NW. Macedonia, Greece). *N. Jb. Mineral. Abh.*, **165,3**, 297-315.

CHRISTOFIDES, G., THIMIATIS, G., KORONEOS, A., SKLAVOUNOS, S. and ELEFThERIADIS, G. (1994). Mineralogy and chemistry of Cr-chlorites associated with chromites from Vavdos and Vasilika ophiolite complexes (Chalkidiki, Macedonia, northern Greece). *Chemie der Erde*, **54**, 151-166.

SOLDATOS, T., POLI, G., CHRISTOFIDES, G., ELEFThERIADIS, G., KORONEOS, A. and TOMMASINI, S. (1998). Petrology and evolution of transitional alkaline-subalkaline granitoids from Vrontou (NE Greece): evidence for fractional crystallization and magma mixing. *Acta Vulcanologica*, **10/2**, 319-330.

CHRISTOFIDES, G., SOLDATOS, T., ELEFThERIADIS, G., and KORONEOS, A. (1998). Chemical and isotopic evidence for source contamination and crustal assimilation in the Hellenic Rhodope plutonic rocks. *Acta Vulcanologica*, **10/2**, 305-318.

SOLDATOS, T., KORONEOS, A., DEL MORO, A. and CHRISTOFIDES, G. (2001). Evolution of the Elatia plutonite (Hellenic Rhodope Massif, N. Greece). *Chem. Erde*, **61**, 92-116.

SOLDATOS, T., KORONEOS, A., CHRISTOFIDES, G. and DEL MORO, A. (2001). Geochronology and origin of the Elatia plutonite (Hellenic Rhodope Massif, n. Greece) constrained by new Sr isotopic data. *N. Jb. fur Miner. Abh.*, **176**, 179-209.

KORONEOS, A. and ELEFThERIADIS, G. (2002). Mineralogical constraints on the petrogenesis of the Pangeon granitoids (central Macedonia, northern Greece). *Geol. Balcan.* **32,1**, 13-29.

CHRISTOFIDES, G., KORONEOS, A., SOLDATOS, T., ELEFThERIADIS, G. and KILIAS, A. (2002). Eocene magmatism (Sithonia and Elatia plutons) in the internal Hellenides and implications for Eocene – Miocene geological evolution of the Rhodope Massif (Northern Greece). *Acta Vulcanologica*, **13(1-2)**, 73-89.

ELEFThERIADIS, G. and KORONEOS, A. (2003). Geochemistry and petrogenesis of post-collision Pangeon granitoids in central Macedonia, northern Greece. *Chem. Erde*, **63/4**, 364-389.

PERUGINI, D., POLI, G., CHRISTOFIDES, G., ELEFThERIADIS, G., KORONEOS, A., and SOLDATOS, T. (2004). Mantle-derived and crustal melts dichotomy in northern Greece: spatiotemporal and geodynamic implications. *Geological Journal*, **39**, 63-80.

CHRISTOFIDES, G., PECSKAY, Z., ELEFTHERIADIS, G., SOLDATOS, T. and KORONEOS, A. (2004). The tertiary Evros volcanic rocks (Thrace, Northeastern Greece): petrology and K/Ar geochronology. *Geologica Carpathica*, **55,5**, 397-409.

PAVLIDOU, S., KORONEOS, A., PAPASTEFANOU, C., CHRISTOFIDES, G., STOULOS, S. and VAVELIDES, M. (2006). Natural radioactivity of granites used as building materials. *Journal of Environmental Radioactivity*, **89**, 48-60.

VLAHOU, M., CHRISTOFIDES, G., ELEFTHERIADIS, G., PINARELLI, L. and KORONEOS, A. (2006). Tertiary volcanic rocks from Samothraki island (North Aegean, Greece): Sr and Nd isotope constraints on their evolution. In Dilek, Y. and Pavlides, S. (eds), *Postcollisional tectonics and magmatism in the Mediterranean region and Asia*, *Geol. Soc. Am., Sp. Paper*, **409**, 283-304.

CHRISTOFIDES, G., PERUGINI, D., KORONEOS, A., SOLDATOS, T., POLI, G., ELEFTHERIADIS, G., DEL MORO, A., and NEIVA, A. M. (2007). Interplay between geochemistry and magma dynamics during magma interaction: an example from the Sithonia plutonic complex (NE Greece). *Lithos*, **95**, 243-266.

CVETKOVIC, V., POLI, G., CHRISTOFIDES, G., KORONEOS, A., PÉCSKAY, Z., RESIMIC-ŠARIC, K. and ERIC, V. (2007). The Miocene granitoid rocks of mt. Bukulja (Central Serbia): evidence for Pannonian extension-related granitoid magmatism in the northern Dinarides. *Eur. J. Mineral.*, **19**, 513-532.

SOLDATOS, T., KORONEOS, A., KAMENOV, B.K., PEYTCHEVA, I., VON QUADT, A., CHRISTOFIDES, G., ZHENG, X. and SANG, H. (2008). New U-Pb and Ar-Ar mineral ages for the Barutin-Buynovo-Elatia-Skaloti-Paranesti batholith (Bulgaria and Greece): refinement of its debatable age. *GEOCHEMISTRY, MINERALOGY AND PETROLOGY*, **46**, 85-102.

KORONEOS, A. (2008). Biotites from biotite-rich crusts of enclaves and clots in the Monopigadon pluton (Macedonia, Northern Greece). *Per. Mineral.*, **77,3**, 3-20.

ŠARIC, K., CVETKOVIC, V., ROMER, R., CHRISTOFIDES, G. and KORONEOS, A. (2009). Granitoids associated with East Vardar ophiolites (Serbia, F.Y.R. Of Macedonia and Northern Greece): origin, evolution and geodynamic significance inferred from major and trace element data and Sr-Nd-Pb isotopes. *Lithos*, **108**, 131-150.

KORONEOS, A. (2010). Petrogenesis of the Upper Jurassic Monopigadon pluton related to the Vardar-Axios ophiolites (Macedonia, northern Greece) and its geotectonic significance. *Chem. Erde*, **70**, 221-241.

KORONEOS, A., POLI, G., CVETKOVIĆ, V., CHRISTOFIDES, G., KRSTIĆ D. and PÉCSKAY, Z. (2010). Petrogenetic and tectonic inferences from the study of Mt. Cer Pluton (West Serbia). *Geol. Mag.*, **148(1)**, 89-111.

POLI, G., CHRISTOFIDES, G., KORONEOS, A., SOLDATOS, T., PERUGINI, D. LANGONE, A. (2009). Early triassic granitic magmatism – Arnea and Kerkini granitic complexes – in the Vertiskos unit (Serbo-macedonian massif, north-eastern Greece) and its significance in the geodynamic evolution of the area. *Acta Vulcanologica*, **21(1-2)**, 47-70.

CHRISTOFIDES, G., PAPADOPOULOU, L., SOLDATOS, T. and KORONEOS, A. (2010). Crystallization conditions of the Xanthi plutonic complex (Rhodope massif, N. Greece): Geothermometry and geobarometry. *Scientific Annals, School of Geology, Aristotle University of Thessaloniki, Proceedings of the XIX CBGA Congress, Special vol. 99*, 199-207.

PAPADOPOULOS A., CHRISTOFIDES, G. and KORONEOS, A. (2010). Determinants of the demand for granites in the domestic market of Greece. *Scientific Annals, School of Geology, Aristotle University of Thessaloniki, Proceedings of the XIX CBGA Congress, Special vol. 99*, 435-442.

CHRISTOFIDES, G., PIPERA, K., KORONEOS, A. and PAPADOPOULOS, A. (2012). New geochronological data from the Xanthi pluton: Constraints on the Nestos thrust dating. *Proceedings of International Conference: "The Geological schools of Bulgaria, the school of Prof. Zhivko Ivanov"*, 49-52.

GEORGIADIS, I.K., KORONEOS, A., TSIRAMBIDES, A. and STAMATAKIS, M. (2012). Modern Sands Derived from the Vertiskos Unit of the Serbomacedonian Massif (N. Greece): a Preliminary Study on the Weathering of the Unit. *Cent. Eur. J. Geosci.*, **4(3)**, 465-477.

PIPERA, K., KORONEOS, A., SOLDATOS, T. PÉCSKAY, Z. and CHRISTOFIDES, G. (2013). K/Ar mineral geochronology of the northern part of the Sithonia Plutonic Complex (Chalkidiki, Greece): implications for its thermal history and geodynamic interpretation. *Geologica Carpathica*, **64,2**, 133-140.

PAPADOPOULOS, A., CHRISTOFIDES, G., KORONEOS, A., STOULOS, S. and PAPASTEFANOU, C. (2012). Natural radioactivity and dose assessment of granitic rocks from the Atticocycladic Zone (Greece). *Per. Mineral.*, **81,3**, 301-311.

KORONEOS, A., KILIAS, A. and AVGERINAS, A. (2013). Hercynian plutonic rocks of Voras Mountain, Macedonia, Northern Greece: their structure, petrogenesis, and tectonic significance. *Int. Geol. Rev.*, **55,8**, 994-1016.

PAPADOPOULOS, A., CHRISTOFIDES, G., KORONEOS, A., STOULOS S., and PAPASTEFANOU, C. (2013). Radioactive secular equilibrium in ^{238}U and ^{232}Th series in granitoids from Greece. *Applied Radiation and Isotopes*, **75**, 95–104

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GEORGIADIS, I.K., KORONEOS, A., PAPADOPOULOU, L., KANTIRANIS, N., TAMPAROPOULOS, A.E. and TSIRAMBIDES, A. (2013). Using detrital garnets to determine provenance: a case study from the Vertiskos Unit (Serbomacedonian Massif, N. Greece). *Miner. Petrol.* DOI 10.1007/s00710-013-0295-1

PAPADOPOULOS, A., CHRISTOFIDES, G., KORONEOS, A., PAPADOPOULOU, L., PAPASTEFANOU, C. and STOULOS, S. (2013). Natural radioactivity and radiation index of the major plutonic bodies in Greece. *Journal of Environmental Radioactivity*, **124**, 227-23.