

Curriculum Vitae

Dariusz Dobrzyński

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Family name	Dobrzyński
First name	Dariusz
Sex	Male
Citizenship	Polish
Employment	Institute of Hydrogeology and Engineering Geology, Faculty of Geology, University of Warsaw, Żwirki i Wigury St. 93, 02-089 Warsaw, Poland
Residence	Prądyńskiego St. 24/13, 05-200 Wołomin, Poland
City and Country of Birth	Wołomin, Poland
Date of Birth	June 2, 1959

Qualifications	Geologist, M.Sc., 1984 (AGH University of Science and Technology, Cracow, Poland) Earth Sciences, Ph.D., 1997 (University of Warsaw, Poland) Earth Sciences, D.Sc. (habilitation), 2010 (University of Warsaw, Poland)
Specialization	Geochemistry of groundwater, including : water-rock interaction, geochemical modelling, isotopic studies, environmental assessments

Education

School	From - To	Degree
Geological College Gościeradowska St. 18/20, 03-535 Warsaw, Poland	1974 - 1979	Bachelor of Geology
Faculty of Geology and Exploration, AGH University of Science and Technology, Al. Mickiewicza 30, 30-059 Cracow, Poland	1979 - 1984	M. Sc. & Eng. /in field of Hydrogeology and Engineering Geology/
Faculty of Geology, University of Warsaw, Żwirki i Wigury St. 93, 02-089 Warsaw, Poland	1994 - 1997	Ph. D. /Doctor of Earth Sciences/

Other skills:

Mineralogy and petrography (individual study course in geochemistry and petrography during studies at the AGH University of Science and Technology).

Titles of theses:

M.Sc. thesis: "Petrographic character of Permian volcanites and chemistry of natural waters in the area of Sokołowsko by Wałbrzych, SW Poland"

Ph.D. thesis: "Hydrogeochemistry of aluminium in areas affected by acid depositions in the Intra-Sudetic depression"

D.Sc. (habilitation) thesis: "Application of geochemical modelling methods for determining the origin of chemistry and dating groundwater of short turn-over time zone"

Professional Experience Record

Employer	From - To	Position
Faculty of Geology, University of Warsaw, Żwirki i Wigury St. 93, 02-089 Warsaw, Poland	November 1991 - recent	Adjunct (present-day)
Division of Environmental Protection, "Geo-Inżynieria, Ltd.", Opaczewska St. 22/10, 02-372 Warsaw, Poland	October 1990 - September 1991	Geologist
Department of Environmental Protection, Municipal Office of Warsaw-Mokotów, Rakowiecka St. 25/27, 02-517 Warsaw, Poland	July 1989 - August 1990	Head of Department
Department of Hydrogeology and Engineering Geology, Polish Geological Institute (Polish Geological Survey), Rakowiecka St. 4, 00-975 Warsaw, Poland	November 1994 - June 1989	Geologist

Publications:

List of selected publications from years 2000-2012 attached

Main research projects realized:

Effects of geological conditions and anthropogenic factors on aluminium hydrochemistry in the Intra-Sudetic Basin. (1991-1994);

Geochemical modelling of groundwater exploited in the Kłodzko area (the Sudetes, SW Poland) endangered by acid deposition (1998-1999);

The origin of sulphate mineral waters in the area of Sokołowsko (the Middle Sudetes) on the basis of isotopic studies and geochemical modelling (2000-2001)

Rare and trace element (REE, Mo, Sn, W, U, Be, Li) mobility in hydrothermally altered and weathered felsic rocks - implication for environmental geochemistry of soils." - subproject of "International Geological Correlation Programme (IGCP)-373: Correlation, anatomy and magmatic - hydrothermal evolution of felsic igneous systems in Eurasia. (2001-2002)

Identification and examination of properties of hydroxyaluminosilicate (HAS) colloids in ground- and surface- waters. Implications for geochemistry of aluminium and silicon. (2008-2011)

Selected recent presentations during international conferences:

„Silicon solubility control in curative mineral waters, the Sudetes Mts., SW Poland. Role of aluminosilicate solid phases.” – Eighth Keele Meeting on Aluminium “The Natural History of Aluminium: From Non-Selection to Natural Selection.”, Treš, Czech Republic, 21-25 February 2009 (*with L. Galbarczyk-Gąsiorowska*) (poster presentation)

“Comprehensive geochemical studies of new mineral water found in the Sudetes Mts., Poland. Its origin, age, and reaction rates.” – 38th International Association of Hydrogeologists Congress „Groundwater Quality Sustainability”, Krakow, Poland, 12-17 September 2010 (oral presentation)

“Two contrasting geothermal systems – towards the identification of geochemical reaction pattern and groundwater temperature, the Sudetes, Poland.” – 38th IAH Congress „Groundwater Quality Sustainability”, Krakow, Poland, 12-17 September 2010 (*with P.M. Leśniak*) (poster presentation)

“Silicon and aluminium in groundwater used for drinking and medicinal purposes (The Sudetes Mountains, Poland): a geochemical view-point.” – 5th International Congress of Chemistry and Environment – “ICCE 2011”, Port Dickson, Malaysia, 27-29 May 2011 (oral presentation)

“Germanium versus silicon geochemistry in medicinal and mineral groundwater from the Sudetes and the Carpathians mountains (Poland).” – 11th International Symposium on Metal Ions in Biology and Medicine with 4th Workshop on Aqueous Chemistry and Biochemistry of Silicon, Cambridge, UK, 20-23 June 2011 (*with E. Słaby & A. Mętlak*) (poster presentation)

- “Germanium geochemistry in mineral groundwater from mountain areas of Southern Poland – a case study of its affinity to other elements.” - 4th International Conference on Medical Geology, Bari, Italy, 20-25 September 2011 (*with E. Słaby & A. Mętlak*) (poster presentation)
- “Needs and challenges in comprehensive hydro-geo-microbio-chemical approach to forecast interactions in the fracturing fluid - reservoir rock - pristine groundwater system.” – Conference GeoShale-2012, Warsaw, Poland, 14-16 May 2012 (*with D. Wolicka*) (oral presentation)
- “A geochemical approach to explain germanium origin in potentially medicinal waters of the Bieszczady Mountains (the Carpathians, SE Poland).” – 38th World Congress of International Society of Medical Hydrology and Climatology, Lanjarón – Granada, Spain, 20-23 June 2012 (*with E. Słaby, A. Kostka & A. Mętlak*) (oral presentation)
- “Application of geochemical modelling for quantifying processes affecting high silicon content in groundwaters of northern Gran Canaria (Canary Islands, Spain).” – 38th World Congress of International Society of Medical Hydrology and Climatology, Lanjarón – Granada, Spain, 20-23 June 2012 (*with T. Cruz, A. Kostka, M.C. Cabrera & P. Hernández*) (poster presentation)

Memberships:

Mineralogical Society of Poland
International Medical Geology Association
International Association of GeoChemistry
American Geophysical Union (USA)
National Ground Water Association (USA)
International Association of Hydrogeologists
Slovak Association of Hydrogeologists