

PERSONAL INFORMATION

POPA Iulian



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Sex M | Date of birth 29/10/1966 | Nationality Romanian

PROFESIONAL EXPERIENCE

<p>oct. 2003 →</p>	<p><b>Lecturer</b>                  University of Bucharest, Faculty of Geology and Geophysics</p> <ul style="list-style-type: none"> <li>• Teaching Activity:                         <ul style="list-style-type: none"> <li>○ Course and Seminars – „General Hydrogeology”, „Pollution and Protection of Groundwater”, “Simulation of Groundwater Dynamics”, ”Hydrodynamic Testing of Aquifer”, ”Numerical Modeling of Contaminants Transport”</li> </ul> </li> <li>• Research Activity:                         <ul style="list-style-type: none"> <li>○ Hydrogeological Studies for drinking water, natural mineral water and geothermal groundwater resources;</li> <li>○ Study of groundwater contamination, underground contaminant transport;</li> <li>○ Interpretation of hydrodynamic test data;</li> <li>○ Use of tracer tests in hydrogeology;</li> <li>○ Study of stability / subsidence processes in mining impacted areas.</li> </ul> </li> </ul> <p>Type of business or sector Higher Education and scientific research</p>
<p>apr. 1994 - oct. 2003</p>	<p><b>Teaching Assistant</b>                  University of Bucharest, Faculty of Geology and Geophysics</p> <ul style="list-style-type: none"> <li>• Teaching Activity:                         <ul style="list-style-type: none"> <li>○ Seminar/Laboratory for: Hydrogeology, Management and Marketing in Geology, Pollution and Protection of Groundwater, Assessment of water drainage and catchment works, Mining Hydrogeology, Numerical Simulation of Geological Processes;</li> </ul> </li> <li>• Research Activity :                         <ul style="list-style-type: none"> <li>○ Performing and Interpretation of pumping test; Assessment of Hydrodynamic Efficiency of hydrogeological wells;</li> <li>○ Assessment of contaminated areas (spatial and temporal distribution, natural attenuation);</li> <li>○ In-situ data acquisition: piezometric levels, discharges, physico-chemical parameters.</li> </ul> </li> </ul> <p>Type of business or sector Higher Education and scientific research</p>
<p>oct. 1991 – apr. 1994</p>	<p><b>Junior Teaching Assistant</b>                  University of Bucharest, Faculty of Geology and Geophysics</p>

	<ul style="list-style-type: none"> <li>• Teaching Activity :             <ul style="list-style-type: none"> <li>○ Seminar/Laboratory for: Hydrogeology, Geological Informatics, Pollution and Protection of Groundwater, Management and Marketing in Geology</li> </ul> </li> <li>• Research Activity :             <ul style="list-style-type: none"> <li>○ Hydrogeologic Studies; Rehabilitation and optimization of groundwater tappings. Field data acquisition: piezometric levels, discharges, physico-chemical parameters.</li> </ul> </li> </ul>
	Type of business or sector Higher Education and scientific research

EDUCATION AND TRAINING

1994 - 2003	PhD Studies in Geology, field of Hydrogeology	
	University of Bucharest, Faculty of Geology and Geophysics	
1992 - 1994	Master Studies in Hydrogeology	
	Technical University of Civil Engineering Bucharest, Faculty of Hydrotehnics, Tempus Post-graduate Studies "Science de l'eau et l'environnement"	
1986 - 1991	Graduate studies – Geologist Engineer Diploma	
	University of Bucharest, Faculty of Geology and Geophysics	

PERSONAL SKILLS

Mother tongue	<i>Romanian</i>				
Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	C1	B1	B2	C1
French	B1	C1	B1	B2	C1
	Levels: A1/2 - Basic User, B1/2 - Independent User, C1/2 – Proficient User Common European Framework of Reference for Languages				

Communication Skills	<ul style="list-style-type: none"> <li>▪ Team work</li> <li>▪ Good and efficient communication with colleagues and partners</li> </ul>
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Digital skills	<ul style="list-style-type: none"> <li>▪ competent with Microsoft Office programmes</li> <li>▪ competent with domain specific software packages (for hydrogeology and environmental geological engineering)</li> <li>▪ "Introduction in ArcGIS (parts I + II)", 2006, course jointly organised by UTCB and ESRI România</li> <li>▪ "Introduction in AutoCad (2D)", 2007, course jointly organised by UTCB and SC Trans Tehno Consult SRL</li> </ul>
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Job-related skills	<ul style="list-style-type: none"> <li>▪ “Reglementări și proceduri specifice activității de conservare, închidere și ecologizare a minelor” Bușteni, 2004, course organised by Economy and Trade Ministry.</li> <li>▪ “GEOTRAINET – GeoEducation for a sustainable geothermal heating and cooling market. Training Course for Designers and Drillers”, Bucharest, 2010, organized by Romanian Geoexchange Society.</li> <li>▪ Field data acquisition;</li> <li>▪ Data integration, visualisation and interpretation (geological, hydrogeological, hydrochemical, topographic/GPS data).</li> </ul>
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Driving license	▪ B category
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## ADDITIONAL INFORMATION

Publications	<ul style="list-style-type: none"> <li>• Albu M, Popa I (1996) "Management și Marketing în Geologie" (curs), Editura Universității București.</li> <li>• Meladiotis J, Papatheodorou K, Popa I (1994) "Distribution in time and space of the chloride ion concentration in the exploitable aquifers in the eastern part of the plain of Thessaloniki (Greece)", <i>Proceedings of the International Symposium "Impact of industrial activities on groundwater"</i>, Constanta, Romania.</li> <li>• Mateescu C, Popa I, Dassargues A, Drobot R (1995). "Assessment of the wellhead protection area using the mathematical modelling of the aquifer. Study case.", <i>Proceedings of the Scientific workshop</i>, Polytechnic University of Timisoara</li> <li>• Danchiv AI, Zamfirescu FI, Martac E, Popa I, Scărădeanu D (1997). Simulation Numerique de la dynamique de l' intrusion sallée vers les captages de la ville de Râmnicu Sărat. <i>4-ème Rencontres hydrologiques Franco - Roumaine</i>. Suceava</li> <li>• Marinescu M, Mărunțeanu Cr, Popa I (1998) “Reserves of Exploited Complex Ores in Romania”, <i>Analele Univ. București, Geologie, anul XLVII</i></li> <li>• Zamfirescu FI, Scradeanu D, Popa I (1998) "Vulnerability to pollution of Hydromineral Systems of Poiana Vinului, Dorna Candreni and Poiana Negri", <i>Proceedings of the International Symposium "Mineral and Thermal Groundwater"</i>, Miercurea Ciuc, Romania</li> <li>• Marinescu M, Mărunțeanu Cr, Popa I (1998) “The Structure and Distribution of Romanian Exploited Reserves of Complex Ores” (poster). CBGA Congress, Vienna, Austria</li> <li>• Marinescu M, Popa I, Roxana-Maria Popa (1999) “Structure and distribution of complex ore resources existing in Romania”, <i>Analele Univ. București, Geologie, anul XLVIII</i></li> <li>• Marinescu M, Popa I, Gabrian FI, Marinescu Georgeta (1999) “Cavnic River Pollution due to exploitation and preparation of complex ores”. <i>Proceedings of 2<sup>nd</sup> BGS Geoenvironmental Engineering Conference</i>, Cardiff.</li> <li>• Zamfirescu FI, Danchiv AI, Martac E, Popa I (2000). “Utilizarea drenajului orizontal pentru coborârea nivelului apelor subterane în zona municipiului Galați”. <i>Simpozion Național AHR “100 ani de Hidrogeologie Modernă în România”</i> București.</li> <li>• Zamfirescu FI, Danchiv AI, Martac E, Popa I (2000). Influența condițiilor hidrogeologice asupra închiderii prin inundare a minelor de uraniu. <i>Simpozion Național AHR “100 ani de Hidrogeologie Modernă în România”</i> București.</li> <li>• Danchiv AI, Zamfirescu FI, MARTAC E, Stanciuc M, Popa I (2001): “Numerical Simulation of the Irrigation Effects on the Groundwater Basin of a Salt Lake”, <i>Proceedings of the XXXI<sup>th</sup> Congress of IAH</i>, Munchen, Germania</li> <li>• Marinescu M, Popa I, Găbudeanu B, Marinescu Georgeta (2001) “Geology of basalt production in Romania”. <i>Proceedings of Aggregate 2001 – Environment and Economy</i>, Helsinki</li> <li>• Albu M, Palcu M, Popa I (2001) “Evaluarea și gestionarea resurselor de apă subterană” (Assessment and Management of groundwater resources), <i>Proceedings of 3<sup>rd</sup> Conference “Zilele Hidraulicii – Ingineria resurselor de apă subterană”</i>, UTC Bucuresti</li> </ul>
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- Zamfirescu FI, Popa I, Danchiv AI (2003). "Gravitational drainage systems in urban areas – case study: Galati town, Romania", Proceedings of the 1<sup>st</sup> Intern. Conference on "Groundwater in Geological Engineering – ICGGE 2003", Bled, Slovenia.
- Zamfirescu FI, Danchiv AI, Popa I, Popa Roxana, Rudolph-Lund K (2005) „The carstic aquifer system of Southern Dobrogea (Romania)", Proceedings of IAH Conference on « Water Resources and Environmental Problems in Karst », Belgrad – Kotor, Serbia & Montenegro.
- Zamfirescu FI, Popa I, Danchiv AI (2006). "Gravitational drainage systems in urban areas – case study: Galati town, Romania", Environmental Geology, volume 49, Number 6, pp. 887-896, Springer Berlin / Heidelberg
- Marinescu M, Popa I, Marinescu G, Matei M (2006). "Environmental Impact of Mining Activity. Case Study: Baia Sprie and Suior mines (Romania)", Proceedings of XVIII<sup>th</sup> Congress of the Carpathian-Balkan Geological Association, Belgrade, Serbia
- Marinescu M, Matei L, Popa I, Matei M, Pagnejer Mihaela (2006). "Identified Gypsum Resources from Romania", Proceedings of XVIII<sup>th</sup> Congress of the Carpathian-Balkan Geological Association, Belgrade, Serbia
- Zamfirescu FI, Danchiv AI, Popa I, Popa Roxana, Rudolph-Lund K (2010) "Southern Dobrogea" in "Karst Hydrogeology of Romania", pp. 351-360, ed. Belvedere, Oradea
- Ivan Irina, Popa I (2012) Up-to-date hydrodynamic and hydrochemical state of the Fratesti deep aquifer system in the Bucharest area. Buletinul Științific al Universității POLITEHNICA din Timișoara, Seria Hidrotehnică, Tom 57(71), Fascicola 1
- Gheorghe AI, Popa I, Procedeu grafo-analitic de determinare a regimului de curgere în acviferele cu permeabilitate mare, folosinduse datele pompărilor experimentale, Monitorul de Petrol și Gaze, nr. 5(135), 2013
- Popa I, Scradeanu Mihaela, Tenu A, Scradeanu D (2014) Vulnerability to pollution of thermomineral sources in Băile Tușnad area, 10<sup>th</sup> Intern. Conference ELSEDDIMA, Cluj Napoca, 18-19 sept.
- Marinescu, M., Maftciu, M., Andra-Toparceanu, A., Marunteanu, C., Gheorghe, R., Neata, Gh., Popa, I., Andra-Toparceanu, M., Mihailescu, D., Bugiu, S. 2015. "The need of interdisciplinarity approach on landslides research in Romania". 3rd Annual International Interdisciplinarity Conference, AIIC 2015, 8-11 July, Azores Islands, Portugal Proceedings, p. 512-529
- Boian V, Witek Gh, Palcu M, Popa I, Scradeanu D, Groundwater research in the southern Suhard mountains, Romania, 2nd IAH - CEG Conference "Groundwater Risk Assessment in Urban Areas", Constanta, 14-16 oct. 2015
- Dresmann H, Huggenberger P, Mocuta M, Popa I, "Flash floods, sediments and groundwater aquifer regime at Ocna Mures", 2nd IAH - CEG Conference "Groundwater Risk Assessment in Urban Areas", Constanta, 14-16 oct.2015
- Țenu A, Scradeanu D, Popa I, David A, "Environmental isotopic study on balneo-therapeutical groundwater from Tușnad Spas, Romania", 2nd IAH - CEG Conference "Groundwater Risk Assessment in Urban Areas", Constanta, 14-16 oct.2015
- Scradeanu M, Tevi G, Mocuta M, Popa I, Scradeanu D, "The investigation and preliminary assessment on groundwater oil pollution in an urban area. Case study: Focsani, Romania", Simpozionul International "Mediul si Industria" SIMI 2015, 29 – 30 octombrie, Bucuresti
- Scradeanu M, Tevi G, Mocuta M, Popa I, Scradeanu D, "The investigation and preliminary assessment on groundwater oil pollution in an urban area. Case study: Focsani, Romania", Journal of Environmental Protection and Ecology (2015)
- Popa I, Scradeanu Mihaela, Țenu A, Scradeanu D, Vulnerability to pollution of thermomineral sources in Băile Tușnad area, AES Bioflux, Volume 7, Issue 2, 2015 [<http://www.aes.bioflux.com.ro>]
- Zechner E, Danchiv AI, Dresmann H, Mocuța M, Huggenberger P, Scheidler S, Wiesmeier S, Popa I, Zamfirescu FI, Density-dependent groundwater flow and dissolution potential along a salt diapir in the Transylvanian Basin, Romania, EGU General Assembly, Session HS8.2.4 Fissured and karstified aquifers, Vienna 2016
- Danchiv AI, Zamfirescu FI, Mocuța M, Popa I, Zlibut AI, Huggenberger P, Zechner E, Dresmann H, Scheidler S, Wiesmeier S, A geomechanical model of a sinkhole formation, EGU General Assembly, Session HS8.2.4 Fissured and karstified aquifers, Vienna 2016

	<ul style="list-style-type: none"> <li>• Iurkiewicz A, Popa I (editori), Groundwater risk assessment in urban areas, Proceedings volume of CEG Conference 2016, ISBN 978-973-0-20165-9, București</li> <li>• Iurkiewicz A, Popa I, Mocuta M, Groundwater management vs anthropic stresses in a protected area: Case of Peța Lake, Oradea - Băile Felix – 1 Mai Spa, Romania, Symposium KARST 2018 – Expect the Unexpected, Trebinje, Bosnia-Hertegovina</li> <li>• Popa I, Iurkiewicz A, Feru A, Assessment of potential contamination of a mineral water resource. Case study: Sâncraieni, Lower Ciuc Basin, Romania, 18th International Multidisciplinary Scientific GeoConference SGEM 2018, Conference Proceedings Vol. 18, Issue: 1.2, pp. 107-114</li> <li>• Popa I, Iurkiewicz A, Danchiv AI, Quantitative and qualitative protection of natural mineral water resources using a process based method. Case study: Lower Ciuc Basin, Romania, 19<sup>th</sup> International Multidisciplinary Scientific GeoConference SGEM 2019, Conference Proceedings Vol. 19, Issue: 1.2, pp. 435-446</li> <li>• Popa I, Mocuta M, Iurkiewicz A, A new regional conceptual model on the hydrogeology of Southern Dobrogea based on seismic surveys and hydro-geological data revisiting, Proceedings of 4<sup>th</sup> IAH CEG Conference, Donji Milanovac, Serbia, 2019</li> <li>• Popa I, Iurkiewicz A, Danchiv AI, Feru A, Use of a process-based method to assist mineral water resource protection - Case of hazardous threatens in Sancraieni - Ciuc area, Romania, Proceedings of 4<sup>th</sup> IAH CEG Conference, Donji Milanovac, Serbia, 2019</li> <li>• Iurkiewicz A, Popa I (editori), Romanian Karst of the Southern Carpathians - Field Trip Guide, GeoTrip of the IAH Karst Commission, 2019</li> <li>• Zechner E, Dresmann H, Mocuța M, Danchiv AI, Huggenberger P, Scheidler S, Wiesmeier S, Popa I, Zlibut AI, Salt dissolution potential estimated from two-dimensional vertical thermohaline flow and transport modeling along a Transylvanian salt diapir, Romania, Hydrogeology Journal, Issue 4/2019</li> </ul>
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<b>Memberships</b>	<ul style="list-style-type: none"> <li>▪ Executiv Secretary of Romanian Association of Hydrogeologists (AHR)</li> <li>▪ Member of International Association of Hydrogeologists (IAH)</li> </ul>
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