

CURRICULUM VITAE

1. Family name: MARUNTEANU

2. First name: CRISTIAN

3. Education:

Institution	Faculty of Technical Geology, Institute of Petroleum, Gas and Geology Bucharest
Period: from (month, year) to (month, year)	October 1965 - June 1970
Diploma	Engineering Geologist

4. Scientific Titles: PhD, 1987

Doctoral supervisor, 1999

5. Professional Experience Record:

Period: from (month,year) to (month, year)	Sept.1970-Sept.1973	Sept.1973-Sept.1977	Oct.1977-present
Place:	Constanta	Bucuresti	Bucuresti
Institution:	Romanian Institute for Marine Research	Geological Enterprise for Prospections	University
Function:	Engineering Geologist	Engineering Geologist	Assistant, lecturer, associate professor, professor
Description:	Marine research	Geological Prospections	Education, research

6. Present position: University of Bucharest, Faculty of Geology and Geophysics - Professor

7. Years within the firm: 35

8. Membership of professional bodies:

- President of the Romanian Association for Engineering Geology;
- Member of the Council of the International Association for Engineering Geology and the Environment;
- Secretary of the Commission 14 "Waste Disposal" of the International Association for Engineering Geology and the Environment;

9. Languages:

English – very good in speaking, reading and writing;

French - good in speaking, reading and writing

10. Key Qualification:

Teaching experience:

- Professor of Engineering Geology, Urbanism and Geoenvironmental Protection, Geological Engineering of Waste Disposal in the Faculty of Geology and Geophysics, University of Bucharest; master courses of Hazard and Risk of Landslides, Engineering Geology of Fractured Rocks; Toxic and Nuclear Waste Disposal.
- "Waste Disposal Management"- course organized by ICIM in the frame of PHARE Programme, November 1996, Pitesti, Romania;
- "Nuclear waste Disposal in Romania" presented in the UNESCO/IAEG Expert Workshop on Waste Disposal Management, Sept. 14-19, 1995, Mátraháza, Hungary;
- Three books („Engineering Geology”, Bucharest University Publishing House, 1986 “Engineering Geology-Fractured Rocks”, Bucharest University Publishing House, 1996 and “Geological Engineering of Waste Disposal”, Bucharest University Publishing House, 2001)

Research experience:

- Fields of interest: engineering geology, geomechanical properties of rocks, engineering geology of waste disposal, environmental geology, landslides, civil engineering and mining works;
- 70 scientific papers published in Romanian and foreign publications, 20 scientific works held in national and international symposia and congresses;
- 124 research contracts with institutes, enterprises or grants from Ministry of Research and Technology and Ministry of National Education;

Management skills in environmental field:

- one book (“Urbanism and Geoenvironmental Protection”, 1994, Bucharest University Publishing House) and 35 research contracts, published papers or presentations to national or international symposia, in the field of ground movements and landslides, waste disposal, environmental impact assessment;
- responsible of the International cooperation programme “Engineering Geology and Waste Disposal” between Bucharest University and Bundesanstalt für Geowissenschaften und Rohstoffe, Hannover, Germany, 1993-1997;

11. Management skills in engineering geological field:

- Member in the technical Commission for Landslides of the Ministry of Development, Public Works and Housing;
- Member in the Technical Committee CTS 6 for Geotechnics of the Ministry of Development, Public Works and Housing;
- Consultant in the ministry Committee for Emergency Situations of the of the Ministry of Development, Public Works and Housing;
- INTAS, EC evaluator.

12. Environmental training:

- “Economics of the Environment and of the Natural Resources” in the frame of the Environmental Training Project-ETP, co-ordinated by the university of Minnesota and financed by US AID, March 1995, Sinaia, Romania;
- “Environmental Impact Assessment in Transition Countries” in the frame of CEU Summer University, July 1997, Warsaw, Poland.
- “Environmental impact assessment and sustainable development: an advanced workshop on strengthening practice in transition countries” in the frame of CEU Summer University, July 1998, Budapest, Hungary.

13. Symposia organizer:

- International Symposium “Engineering Geology and Geoenvironment Protection”, Mamaia, 23-28 May 1994 (president of the organizing committee);
- National Symposium “Mining Engineering Geology”, Motru, 14-16 June 1995 (president of the organizing committee);
- National Symposia „Landslides-impact on the environment and society”, București, 30 Sept.-1 Oct. 2004 and 25-27 Oct. 2007, 15-17 Jun. 2010, in co-operation with the Geological Institute of Romania (president of the organizing committee);
- Annual Symposia 2006, 2007, 2012 of the Faculty of Geology and Geophysics (president of the organizing committee);
- International Seminar „The mining activity integration into the European space-ways of sustainable development”, Praid, 24-26 October 2007 (member in the Scientific Committee);
- First International Conference on Education and Training in Geo-Engineering Sciences, Constantza, Romania, 2-4 June, 2008 (member in the organizing Committee);

14. Experience in other programs/projects

Programme/Project	Function	Period: from (month, year) to (month, year)
“Engineering Geology and Waste Disposal” - Bilateral Project between the University of Bucharest and BGR Hannover (Germany)	Responsible	1993-1996
“Vade-mecum pentru evaluarea conditiilor naturale si a susceptibilității terenurilor pentru amplasarea depozitelor de deseuri” – Proiect CNCSIS	Director	1997-2000
“Landslide hazard and mitigation measures in the area of medieval citadel of Sighisoara” – International subproject 21 IGCP-425	Subproject Leader	1999-2002
“Deforestation impacts on slope stability in affected regions in Romania”- Project between the University of Bucharest and Geological Survey Uppsala (Suedia)	Responsible	2001-2002
“Human and natural resources development”- Proiect între Universitatea Bucuresti, Geological Survey Uppsala (Suedia) si Uppsala University	Responsible	2003-2005

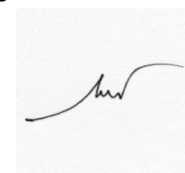
„Cercetări în vederea eficientizării activității de extracție a lignitului din România pentru a deveni competitiv pe piața internă”, Proiect prioritar MENER	Responsible	2002-2004
„Implementarea în industria minieră a tehnologiei neconvenționale de depoluare a mediului prin injectarea apelor reziduale/șlamurilor în colectoare geologice permeabile de mare adâncime”, Proiect MENER	Director	2002-2004
„Valorificarea durabilă a resurselor minerale prin controlul automat al tăierii de la excavatoarele folosite în carierele de cărbune energetic, îmbunătățirea metodelor neconvenționale de exploatare” Proiect MENER	Responsible	2003-2005
„Sistem automat de monitorizare a parametrilor de securitate și ai calității mediului la obiectivele miniere închise”- Proiect prioritar MENER	Responsible	2003-2005
„Caracterizarea structurală a alunecărilor de teren printr-o abordare multidisciplinară” - Proiect NATO STI – CORINT	Responsible	2004
“Sistem automat de supraveghere a parametrilor de stabilitate privind reabilitarea haldelor miniere provenite din extracția cărbunelui în vederea alinierii la standardele UE”- Proiect MENER	Responsible	2004-2006
“Suport decizional pentru managementul riscului producerii de alunecări de teren într-o zonă geografică expusă la risc de catastrofe naturale – TERRARISC” - Proiect CEEX	Responsible	2005-2007
“Cercetări avansate privind hazardul seismic local (microzonare) pentru orașe din zona extracarpatică. Studii de caz: Iasi, Bacău, Buzău, Craiova” - Proiect CEEX	Responsible	2005-2007
„Cercetări pentru îmbunătățirea conceptului de depozitare a combustibilului ars și a deșeurilor radioactive de viață lungă în formațiuni geologice candidate din România”- Proiect CEEX	Responsible	2005-2007
“Sistem integrat de evaluare a vulnerabilității și diminuare a consecințelor alunecărilor de teren produse în urma dezastrelor naturale și activităților umane/industriale” - Proiect CEEX	Responsible	2006-2008
“Cercetări multidisciplinare pentru elaborarea unui etalon național privind cartografierea alunecărilor de teren, zonarea arealelor cu grad de risc privind alunecările de teren și implementarea datelor obținute la nivel național și local” – Proiect CEEX	Responsible	2006-2008
„Monitorizarea geofizică a hazardului natural de tipul alunecărilor de teren și a poluării apelor subterane cu soluții salin și hidrocarburi” - Proiect CNCSIS	Director	2006-2008
“Educational Strategies for the Promotion of Natural heritage” – Leonardo da Vinci Project EL/06/B/F/PP-148207	Researcher	2006-2009
“Evaluarea fenomenelor de instabilitate, efectele asupra mediului înconjurător și soluții de prevenire a riscului în zonele de extracție a sării” - Contract cu Ministerul Mediului și Dezvoltării Durabile.	Director	2007
“Cercetări pentru dezvoltarea unui program de	Responsible	2007-2010

monitorizare a amplasamentelor de depozitare a deseurilor radioactive. Studiu de caz: DFDSMA Saligny – MONA” - proiect PN II.		
Suport financiar pentru studii doctorale privind complexitatea din natura, mediu si societatea umana. POSDRU/6/1.5/S/24	Responsible	2008-2011
"Support to ANDRAD to get license for the siting Saligny LILW near surface repository" PHARE RO 2006/018-147.05.01	Expert	2009

15. Other mentions: member in the professoral Council of the Faculty of Geology and Geophysics 1990-1996 and 2004-2011; Dean of the Faculty of Geology and Geophysics 2006-2008, member of the Senat of the University of Bucharest 2006-2011, Director of the Doctoral School of Geology 2008-2011.

Date: 10.09.2012

Signature



LIST OF PUBLICATIONS (SELECTION)

A. BOOKS

- MăruŃeanu C. GEOLOGIE INGINEREASCĂ-ROCI FRACTURATE, Editura UniversităŃii Bucureşti, 250 pag., 1996.
- MăruŃeanu C., Stănciucu M., Ciupercă L. si Berceanu V. GEOLOGIE INGINEREASCĂ-APLICAŃII PRACTICE, Editura UniversităŃii din Bucureşti, 121 pag., 1999.
- MăruŃeanu C., Stănciucu M. INGINERIA GEOLOGICĂ A DEPOZITELOR DE DEŞEURI, Editura UniversităŃii Bucureşti, 2001.

B. SCIENTIFIC PAPERS

- Bomboe, P., Marunteanu, C. Mining subsidence forecasting by structural and geomechanical analysis. BULLETIN OF THE INTERNATIONAL ASSOCIATION OF ENGINEERING GEOLOGY, No. 47, p. 71-77, Paris, 1993.
- Bomboe, P., Marunteanu, C., Matei, L., Popescu, R. Multilayer ion-trapping model for safe disposal of hazardous industrial wastes. Proceedings GEOCONFINE 93, p. 147-150, Balkema, Rotterdam, 1993.
- Marunteanu, C., Niculescu, V. Acoustic emission in salt-work (Slanic salt mine). Proceedings Seventh International Congress of the IAEG, 5-9 Sept. 1994, Lisboa, Portugal, p. 39-42, A. A. Balkema, 1994.
- Marunteanu, C. Site selection criteria for high-level radioactive waste disposal in Romania. Proceedings UNESCO/IAEG Expert Workshop on Waste Disposal Management, Sept. 14-19, 1995, Mátraháza, Hungary, p. 69-79, 1995.
- Marunteanu, C. A geotechnical model of mining subsidence in the Comanesti coal field. In: *Land subsidence. Proc. international symposium, The Hague, 1995*, ed F.B.J. Barends & others, (IAHS Publication, 234), pp 333-342, 1995.
- Marunteanu, C. The Romanian program for radioactive waste management. COGEOENVIRONMENT Newsletter 9, p. 12-13, 1996.
- Marunteanu, C. Site selection criteria for spent nuclear fuel disposal in Romania. International High-Level Radioactive Waste Management Conference, April 29-May 3, 1996, Las Vegas, Nevada, USA, 1996.
- Marunteanu, C., Scradăeanu, D. A geostatistical model for geotechnical zoning of the loessic formation in the site of radioactive waste disposal from Cernavoda. The International Conference "Trends in the Developments of Geotechnics", Belgrade, Yugoslavia, November 18-20 1996, p. 233-238, 1996.
- Marunteanu, C. A geotechnical model of mining subsidence in the Comanesti coal field. Abstract. *International Journal of Rock Mechanics and Mining Sciences & Geomechanics Abstracts*, Volume 33, Issue 8, 12 December 1996, Page A366
- Durdun, I., Marunteanu, C., Gheorghe, Al. On the radioactive waste final disposal in geological formations from Romania. Proceedings International Symposium "Engineering Geology and the Environment", Athens, Greece, June 23-27, 1997, p. 1799-1803, A. A. BALKEMA, 1997.
- Durdun, I., Marunteanu, C. Site selection criteria for final disposal of spent nuclear fuel in Romania. ENVIRONMENTAL GEOLOGY, 35/1, 1998, p. 3-9, Springer Verlag.
- Scradăeanu, D., Marunteanu, C. Geostatistical evaluation of geological barriers for waste disposal in Cernavoda site. Proceedings 8th Congress of the International Association for Engineering Geology and the Environment, 21-25 September 1998, Vancouver, Canada, p. 2445-2450, Balkema, Rotterdam.
- Durdun, I., Marunteanu, C. Romanian LILW disposal - site selection, characterization and investigation programme. Proceedings "The Geology of Today for Tomorrow", a Satellite Conference of the World Conference on Science, 21-22 June, 1999, Budapest, Hungary.
- Marunteanu, C., Medves, E., Niculescu, V., Mogos, S., Reisz, P., Lukacs, F. Mining subsidence as effect of the interaction between the contemporary mining works and those from the 17th-18th century at Ocna Dej Saline. Basic and Applied Salt Mechanics - *Proceedings of the 5th Conference on the Mechanical Behavior of Salt MECASALT 5, August 9-11, 1999, Bucharest, Romania*, 43-48, A. A. Balkema Publishers, 2002, ISBN 9058093832.
- Marunteanu, C., Durdun, I. Engineering geological zoning of the Scorrillo dam site. Proceedings International Symposium on "Engineering Geology, Hydrogeology and Natural Disasters with Emphasis on Asia", September 28-30 1999, JOURNAL OF NEPAL GEOLOGICAL SOCIETY,

- Kathmandu, Nepal, p.87-89.
- Marunteanu C, Coman M (2000) - *Natural and human induced instability phenomena in the area of medieval citadel of Sighisoara*. In: Proceedings CONVEGNO GEOBEN 2000-Geological and Geotechnical Influences in the Preservation of Historical and Cultural Heritage, Torino, 7-9 June, 2000, edited by G. Lollino, pp 6.
- Georgescu, P., Marunteanu, C., Ioane, D., Niculescu, V., Mafteiu, M., Radulescu, M. Salt mining subsidence in Ocna Dej (Romania) as revealed by geoelectric and gravity technics. *Analele Universitatii București*, 2000, p 29-38.
- Durdun, I., Marunteanu, C. Romanian LILW disposal-site selection, characterization and investigation programme. *FÖLDTANI KÖZLÖNY* 130/2, 2000, Budapest, p. 229-237.
- Marunteanu, C., M. Coman. Landslide hazard and mitigation measures in the area of medieval citadel of Sighisoara (II). Proceedings of UNESCO/IGCP Symposium "*Landslide Risk Mitigation and Protection of Cultural and Natural Heritage*", 15-19 January, 2001, Tokyo, Japan, p. 175-182.
- Durdun, I., Marunteanu, C., Andrei, V. The adaptation of natural (geological) barriers for radioactive LILW near surface disposal in Romania. Proceedings International Symposium "*HLW, LLW, Mixed Wastes and Environmental Restoration – Working Towards A Cleaner Environment*", February 25-March 1, 2001, Tucson, Arizona.
- Marunteanu, C., Niculescu, V. Geoelectrical methods - help for the detection of the incipient slope movements. 9th IAGG Congress "*Engineering Geology for Developing Countries*", 16-20 September 2002, Durban, South Africa, Editors: J.L. van Rooy and C.A. Jermy, p. 271-274.
- Marunteanu, C., Durdun, I., Arsene, C., Baboescu, E. Site improvement for the near surface radioactive waste repository of Saligny (Romania). "*International Workshop on Engineering Geology and Environmental Planning*", Hannover, Germany, October, 2000, in *GEOLOGISCHES JAHRBUCH – SONDERHEFTE*, M. Wallner (coord.), Hannover 2003, p. 83-92.
- Marunteanu, C., Coman, M. Landslide Hazard and Mitigation Measures in the Area of Medieval Citadel of Sighisoara, Romania. *LANDSLIDES*, Springer Berlin Heidelberg, 2005, p. 351-356. (ISBN: 978-3-540-28664-6)
- Marunteanu, C., Ionita, G., Durdun, I. The suitable geological formations for spent fuel disposal in Romania, Waste Management 2007 Conference Proceedings, February 25 – March 1, 2007, Tucson, AZ (CD volume) ISSN-ISBN: 0892-2055.
- Marunteanu, C., Ioane, D. Geomorphological hazard affecting the medieval citadel of Sighisoara (Romania). *Italo-Maltese Workshop on Integration of the geomorphological environment and cultural heritage for tourism promotion and hazard prevention*, Malta, 24-27 April 2007.
- Enache Al., Olaru, V., Stan, C., Marunteanu, C. Remote decision support system for landslide risk management in a geographical area with high risk for natural disasters – TERRARISC. *Revista de Automatica*, 2007.
- Manoliu, I., Marunteanu, C. & Stematiu, D. 2008. *Education and training in geo-engineering sciences*. First International Conference on Education and Training in Geo-engineering Sciences: Soil Mechanics and Geotechnical Engineering, Engineering Geology, Rock Mechanics. Constantza, Romania, June 2nd – 4th, 2008, 6 pag.
- Marunteanu, C., Niculescu, V., Mafteiu, M. Geoelectrical investigation in salt mines (Ocna Dej Salt Mine). 33rd International Geological Congress 2008, Oslo, 6-14 August 2008, ISS-ISBN: 0705-3797
- Marunteanu, C., Niculescu, V., Mafteiu, M. Evaluation and zoning of ground instability risk in salt mining areas (Ocna Dej case study). Al saselea simpozion national de geologie economica si al optulea simpozion national de mineralogie "Zacaminte de sare si nemetalifere din Romania", Sovata, 4-6 septembrie 2008.
- Marunteanu, C., Stanciu, M., Scradeanu, D., Roca, M. Assessment and monitoring of the instability phenomena in an urban area. II European Conference of International Association for Engineering Geology EUROENGE 2008, Madrid, 15-19 September 2008.
- Marunteanu, C., Mafteiu, M. & Niculescu, V. Cultural heritage facing geomorphologic and anthropogenic hazard in the medieval city of Sighisoara (Romania). *Studia Universitatis Babeș-Bolyai, Geologia*, 2009, Special Issue, MAEGS – 16, p. 154-156. ISSN 1221-0803 ("*Geology for Society: Education and Cultural Heritage*", Proceedings of the 16th Meeting of the Association of European Geological Societies).
- Stanciu, M., Marunteanu, C., Samoila, M. & Roca, M. Landslide hazard in the Nehoiu area (Buzau County, Romania). *Studia Universitatis Babeș-Bolyai, Geologia*, 2009, Special Issue, MAEGS – 16, p. 174-175. ISSN 1221-0803 ("*Geology for Society: Education and Cultural Heritage*", Proceedings of the 16th Meeting of the Association of European Geological Societies).

- Mărunțeanu, C., Niculescu, V., Mafteiu, M. Instability phenomena, geoelectrical investigation and mitigation measures in the area of the city of Sighisoara, Romania. *In: CULSHAW, M.G., REEVES, H.G., JEFFERSON, I. & SPINK, T.W. (eds) 2009. Engineering Geology for Tomorrow's Cities. Geological Society, London, Engineering Geology Special Publication, 22, CD-ROM, Paper Number 799.*
- Marunteanu, C., Ioane, D. Muddy volcanoes. In Evelpidou, N., de Figueiredo, T., Mauro, F., Tecim, V., Vassilopoulos, A. (eds) *Natural Heritage from East to West*, Springer-Verlag, 2010, p. 79-86.
- Marunteanu, C., Ioane, D. Rupestrian Settlements in the Alunis Area. In Evelpidou, N., de Figueiredo, T., Mauro, F., Tecim, V., Vassilopoulos, A. (eds) *Natural Heritage from East to West*, Springer-Verlag, 2010, p. 101-104.
- Marunteanu, C., Ioane, D. Salt karst in Manzalesti – Romania. In Evelpidou, N., de Figueiredo, T., Mauro, F., Tecim, V., Vassilopoulos, A. (eds) *Natural Heritage from East to West*, Springer-Verlag, 2010, p.105-110.
- Marunteanu, C., Samoila, M.A. Slope stability and soil erosion on the site of the surface radioactive waste repository from Cernavoda, Romania. *Geologically Active – Williams et al. (eds) © 2010 Taylor & Francis Group, London, ISBN 978-0-415-60034-7 p. 3333-3340*
- Ionică, S., Marunteanu, C. Research to quantify the lignite extraction potential according to benches and bench system slope angles for open pit mines in Oltenia. *Revista Minelor, Vol. 18, No.1/2012.*
- Ionică, S., Marunteanu, C. Research to quantify the influence of lignite layer position on the stability of working benches for open pit mines in Oltenia. *Revista Minelor, Vol. 18, No.2/2012.*