

CHARALAMPOS SAROGLOU

CURRICULUM VITAE

2017

Charalampos Saroglou
Short name: Haris
Geotechnical Department
School of Civil Engineering
National Technical University of Athens
Zografou Campus, Greece
tel. +30 210 7722440 / mob +30 6932 280490
saroglou@central.ntua.gr

PERSONAL INFORMATION

YEAR OF BIRTH 22-07-1974
NATIONALITY: Greek
MARITAL STATUS: Married with two children

EDUCATION

University: *National Technical University of Athens*
School of Civil Engineering Dept. of Geotechnics
Graduation Date: 2001 – 2007
Degree: Doctorate Thesis

University: *National Technical University of Athens*
School of Civil Engineering - School of Mining
Engineering
Graduation Date: 2000
Degree: M.Sc. in Design and Construction of Underground Works

University: *Imperial College of Science, London, Dept. of Civil Engineering*
Graduation Date: 1999
Degree: M.Sc. and D.I.C in Engineering Geology.

University: *National and University of Athens, Dept. of Geology*
Graduation Date: 1998
Degree: B.Sc. in Applied Geology

HighSchool PIERCE – The American College of Greece
Graduation Date: 1992

ACADEMIC EXPERIENCE

2015- **Research & Teaching Fellow, Geotechnical Department, School of Civil Engineering, NTUA.**

Teaching in the following Courses:

- I. "Geology for Engineers"
- II. "Engineering Geology"
- III. "Rock Mechanics"
- IV. "Soil Mechanics I"

2000-2013 **Research & Teaching Assistant, Geotechnical Department, School of Civil Engineering, NTUA.**

Undergraduate courses:

- I. "Geology for Engineers" Professor. P. Marinos, G. Tsiambaos
- II. "Engineering Geology ". Professor. P. Marinos, G. Tsiambaos
- III. "Soil Mechanics I" Prof. G. Bouckovalas. (2007-2008)

Postgraduate courses in M.Sc. "Design and Construction of Undergraduate works" (2005-2013)

- I. "Methods of ground investigation "
- II. "Tunnel portals in rock ". Professor. G. Tsiambaos

Co - Supervision of twenty (20) graduate and post-graduate in the School of Civil Engineering NTUA.

2014 - 2016 Visiting Lecturer in Engineering Geology, Department of Civil and Environmental Engineering, Imperial College London

M.Sc. Engineering Geology – M.Sc. Soil Mechanics

- I. "Rock Engineering", Course Leader

Supervision of post-graduate theses in Engineering Geology – Rock Mechanics.

2013- 2014 Lecturer in Engineering Geology, Department of Civil and Environmental Engineering, Imperial College London

M.Sc. Engineering Geology

- II. "Engineering Geology Coursework", Lecturer
- III. "Hydrogeology", Course Leader
- IV. "Rock Engineering", Course Leader

Supervision of post-graduate theses in Engineering Geology – Rock Mechanics.

Participation in Research initiatives Imperial College London

- Shale Gas Initiative (in collaboration with Earth Sciences Dept. & Energy Futures Lab).

2007-2010 **School of Civil Engineering, Technical University of Thessaly. Lecturer (PD 407)**

Undergraduate courses: "Engineering Geology for Civil Engineers".

INTERNATIONAL AWARDS - PRIZES

- 2016** **Visiting Fellow CHINESE ACADEMY OF SCIENCES (CAS)**
 President's International Fellowship Initiative (PIFI)
 Visiting Professor in Institute of Geology & Geophysics, Professor S. Qi.
- 2012** **RICHARD WOLTERS PRIZE, IAEG**
 Prize awarded by International Association of Engineering Geology and the Environment (IAEG). The Richard Wolters Prize specifically recognizes meritorious scientific achievement by a younger member of the engineering geology profession.
<http://iaeg.info/info/awards-and-prizes/richard-wolters-prize/>
- 2009** **HONOR from the ACADEMY OF ATHENS**
 HONOR OF MECHANICS "THEOCHARIS" – **2009** for the publication:
 Saroglou H., Tsiambaos G. (2008) "A modified Hoek–Brown failure criterion for anisotropic intact rock" published in the *Int. Journal of Rock Mechanics & Mining Sciences*, (vol. 45, p. 223–234).

PUBLICATIONS

Publications in scientific peer-reviewed journals and international Conferences on Engineering Geology, Rock Mechanics and Geotechnical Engineering topics. Research has a strong scientific impact.

Citations: Google Scholar **314** – h-index: **9**/ Scopus 145 h-index: **6**

(<http://scholar.google.co.uk/citations?user=VJ-6aK8AAAAJ&hl=en&oi=ao>).

ORCID ID: <http://orcid.org/0000-0002-5253-7972>

-Theses	3
- International Journals	15
- Special publications	3
- Greek Journals	7
- International Congress Proceedings (with review)	23
- Greek Congress Proceedings (with review)	17
- Other – Invited presentations	7
- Other - abstracts	4
Total	76

RESEARCH PROGRAMMS

1. Seismic Protection of Monuments and Historical Structures – SEISMO (NTUA) – **2014 - 2016**.
2. COST Action TU1202: Impact of climate change on engineered slopes for infrastructure. European Cooperation in Science and Technology, **2013- 2016**
3. Evaluation of Foundation conditions of photovoltaic steel panels with use of helical steel micro-piles, KB ENERGY, National Technical University of Athens (NTUA), School of Civil Engineering, Dept. of Geotechnics, **2011**
4. Geological – Geotechnical study and proposal of support measures of high rock slopes, ancient walls and monuments. Application to the Castle of Monemvasia. MINISTRY OF CULTURE - School of Civil Engineering, Dept. of Geotechnics, **2011**.
5. Preliminary research on the subsidence issues in Karla Municipality. MUNICIPALITY OF THESSALY School of Civil Engineering, Polytechnic University of Thessaly. **2010**.
6. Hazard assessment of against erosion, mass transport and landslides in the Natura regions of the Peloponnese. MINISTRY OF PUBLIC WORKS - School of Civil Engineering, Dept. of Geotechnics. **2008-2010**.
7. Behaviour of metamorphic rocks under loading conditions of Civil Engineering Works and effect of texture on their geotechnical properties. MINISTRY OF EDUCATION - School of Civil Engineering, Dept. of Geotechnics. **2005-2008**. EU - EPEAEK II.
8. Mitigation of Landslide Hazard in Athinios port, Santorini Island. PREFECTURE OF E. CYCLADES - Dept. of Geology, University of Athens. **2006**.
9. Investigation and mitigation of slope stability problems of slope of Filothei stream, using mathematical models and environmental techniques. MUNICIPALITY OF FILOTHEI – Dept. of Hydraulics, NTUA. **2004-2005**.
10. Mitigation of landslide phenomena, with emphasis in earthquake loading, in the Public Natural Springs of Loutraki. MUNICIPALITY OF LOUTRAKI - Dept. of Geology, University of Athens. **2006**.
11. Geological – Geotechnical study of rock slopes of Mythimna Castle, Island of Lesvos. MINISTRY OF CULTURE - School of Civil Engineering, Dept. of Geotechnics, **2001**.

ORGANISATION OF CONFERENCES

- 2017** Conference of Greek Committee of Engineering Geology «Engineering Geology: Infrastructure works and innovative research topics», Athens, Greece, May 2017.
- 2014** 12th International Congress of International Association of Engineering Geologists (IAEG) IAEG XII Congress in Torino in September 2014
Session “Rockfall risk assessment and management - current practice and developments” (Conveners: Saroglou & Berger).
- 2011** Conference of Greek Committee of Engineering Geology «The contribution of Engineering Geology in infrastructure work sin Northern Greece”. Thessaloniki, Greece, May 2011.

INVITED LECTURES - SEMINARS

- 2017** University of Michigan, Department of Civil & Environmental Engineering, Ann Arbor, Michigan, U.S.A.
Seminar series: *Behavior of anisotropic and heterogeneous rockmasses*
- 2017** University of Cyril & Methodius, Department of Civil Engineering, F.Y.R.O.M. Elected as Visiting Professor (2017). Lectures on Rock Mechanics & Tunneling for M.Sc. program.
- 2017** University of Zagreb, Department of Civil Engineering, Croatia
Lecture: *Tunneling in difficult rock masses*
- 2016** Chinese Academy of Sciences (CAS) - Institute of Geology & Geophysics, 2016
Series of Lectures on Engineering Geology, Rock Mechanics topics.
- 2016** University of Newcastle, School of Civil Engineering & Geosciences
Lecture: *Behavior of anisotropic rocks.*
- 2016** 15th Symposium on Engineering Geology and Geotechnics, Belgrade, 2016.
Lecture: *Rockfall susceptibility in Greece and study of coseismic events*
- 2016** International Symposium Challenges for Engineering Geology and Geotechnics after Natural Disasters, Sofia, Bulgaria.
Lecture: *Slope instabilities and natural hazards induced by rockfalls*
- 2014** COST Action TU1202, Zagreb, February 2014.
Lecture: *Risk assessment and rating approaches for highway rock slope stability.*

- 2014** 7th Hellenic Conf. of Geotechnical and Geoenvironmental Engineering, Athens, Sep. 2014. Workshop on Rockfalls
Lecture: *“Design of quarries for mitigation of rockfalls. Determination of geotechnical parameters from in situ tests”*
- 2013** Asian Regional Symposium of Engineering Geology, China, 2013.
Workshop “Structure Behaviour of Soil and Rockmass”
Saroglou H. (2013). *Engineering behaviour of anisotropic and heterogeneous layered rocks. Proc. of Asian Regional Symposium of Engineering Geology, China.*
- 2012** Hellenic Geological Society Symposium, 6/2/2012 *“Engineering behavior of volcanic formations. Implications for instability phenomena and town planning”*.

PARTICIPATION IN EUROPEAN – INTERNATIONAL COMMITTEES

1. Elected Secretary of the European Committee for Standardization CEN/ TC341 "Geotechnical Investigation and Testing". Period: 2007 – January 2013
2. Expert in the TC341/ WG 6 “Laboratory testing of Soils” 2009 – ongoing
3. Member of IAEG Scientific Commission C17 “Aggregates”
4. Member of IAEG Scientific Commission C29 “Structure and behaviour of Rock and Soil”
5. Member of ISSMGE JTC1 “Natural Slopes and Landslides”
6. Member of ISRM Technical Commission on Soft Rocks

REVIEWER FOR SCIENTIFIC JOURNALS

1. Bulletin of Engineering Geology, Springer (Member of Editorial Board)
2. International Journal of Rock Mechanics & Mining Sciences, Elsevier.
3. Journal of Rock Mechanics and Geotechnical Engineering, Elsevier
4. Geotechnical and Geological Engineering, Springer
5. Engineering Geology, Elsevier
6. Geotechnique, ICE
7. Natural Hazards and Earth System Sciences, Copernicus
8. Rock Mechanics and Rock Engineering, Springer
9. Arabian Journal of Geosciences, Springer
10. Journal of Mountain Science
11. Quaternary Journal of Engineering Geology, Lyell
12. Journal of Geotechnical and Geoenvironmental Engineering
13. Environmental Earth Sciences
14. Materials, MDPI (open-access)

OTHER ACTIVITIES

Member of academic/ professional societies

- Member of the Institution of Civil Engineers, London (ICE) Memb. No. 72224454
- Fellow of the Geological Society of London (GeoSoc) Fellow Number: 1025086
- Member of the British Geotechnical Association (BGA)
- Elected Board Member of the Greek Committee of Engineering Geology
- Member of the Hellenic Society of Soil Mechanics and Geotechnical Engineering (HSSMGE)
- Member of Geotechnical Chamber of Greece (GEOTEE)
- Member of Chamber of Greek Geologists (SEG) & Greek Geological Society (EGE)
- Member of the Greek Committee of Large Dams (GCOLD)
- Member of the Greek Society of Tunneling and Underground Works (EESYE)
- Member of the International Association of Engineering Geologists (IAEG)
- Member of the International Society of Rock Mechanics (ISRM)
- Panel Member in the Engineering, Physical and Space Sciences Panel for the Research Links initiative.

OTHER SKILLS - FOREIGN LANGUAGES

Very good knowledge of geotechnical Software (Geolslope software, Rocscience Software) and drafting software (AutoCAD).

English - Excellent (Cambridge Proficiency), German - Very Good (Mittelstufe Prufung)

CONSULTING SERVICES

Main expertise fields

Geotechnical Engineering

Engineering behavior of rocks and rockmasses, Weak rocks and complex formations,

Engineering geology of major infrastructure works,

Rock mechanics problems,

Geohazards and risk assessment (landslides and rockfalls),

Protection of Cultural Heritage sites.

Consulting for projects in Greece, UK, China, Bulgaria, U.S.A. A detailed list of projects can be provided upon request

LIST OF PUBLICATIONS

Monographs

1. "Geological factors affecting the geotechnical properties of intact rock and rock masses. The effect of anisotropy" Phd Thesis. Athens, 2007, p. 429.
2. "Analysis of settlement due to underground mining exploitation in the Line 2 extension, Thivon-Petroupoli, Athens Metro ". M.Sc. "Design and Construction of Undergraduate works". Athens, 2000, p. 190.
3. "Slope Stability of soil slopes designed for real estate use, stabilization measures" M.Sc. Thesis, Imperial College. London, 1999, p. 230.

Publications in Journals

1. Vergara M.I., Saroglou C. (2017) Prediction of TBM performance in mixed-face ground conditions. *Tunnelling and Underground Space Technology*, doi 10.1016/j.tust.2017.06.015.
2. Liakas S., O' Sullivan C., **Saroglou H.** (2017) Assessment of influence of heterogeneity on rock strength and stiffness using PFC. *International Journal of Rock Mechanics & Geotechnical Engineering*. doi.org/10.1016/j.jrmge.2017.03.012.
3. **Saroglou H.**, Kalimogiannis V. (2017). Fracturing process and effect of fracturing degree on wave velocity of a crystalline rock. *International Journal of Rock Mechanics & Geotechnical Engineering*. doi.org/10.1016/j.jrmge.2017.03.012.
4. Smethurst, J. A., Smith, A., Uhlemann, S., Wooff, C., Chambers, J., Hughes, P., Lenart, S., **Saroglou H.**, Springman, S., Lofroth, H., Hughes, D. (2017). Current and future role of instrumentation and monitoring in the performance of transport infrastructure slopes. *Quarterly J. of Engineering Geology and Hydrogeology*. doi.org/10.1144/qjegh2016-080.
5. **Saroglou H.**, Zekkos D., Asteriou P., Marin C., Manousakis J., Tsiambaos G. (2017). Field Evidence and trajectory modeling of an earthquake triggered rockfall in Lefkada. *Nat. Hazards Earth Syst. Sci. Discuss.*, doi:10.5194/nhess-2017-29, in review, 2017.
6. Papadopoulou K., **Saroglou, H.**, Papadopoulos V. (2014) Finite element analyses and experimental investigation of helical micropiles. *Geotechnical and Geological Engineering*. Vol.32, (4), pp. 949-963. doi 10.1007/s10706-014-9771-6.
7. Tziallas, G.P., **Saroglou, H.**, Tsiambaos, G. (2013). Determination of mechanical properties of flysch with laboratory methods. *Engineering Geology*, doi 10.1016/j.enggeo.2013.09.002
8. **Saroglou, H.** (2012) Engineering geological behaviour of volcanic formations. References to instability phenomena and town planning in Lesvos Island, Greece. *Bulletin of the Geological Society of Greece*, vol. XXXVI, 90-104.
9. Asteriou, P., **Saroglou, H.**, Tsiambaos, G. (2012) Determination of geotechnical properties of geological formations for rockfall modeling. *International Journal of Rock Mechanics & Mining Sciences*. Volume 54, pp. 103-113, ISSN 1365-1609, 10.1016/j.ijmms.2012.05.029
10. **Saroglou H.**, Marinos V., Marinos P. and Tsiambaos G. (2012). Rockfall hazard and risk assessment: an example from a high promontory at the

historical site of Monemvasia, Greece. *Natural Hazards and Earth System Sciences*, 12, 1823–1836. doi:10.5194/nhess-12-1823-2012.

11. Tsiambaos G., **Saroglou H.** (2010) Excavatability assessment of rock masses using the Geological Strength Index (GSI). *Bulletin of Engineering Geology & Env.*, vol. 69 (1), pp. 13-27.
12. **Saroglou H.**, Antoniou A.A., Pateras S. K. (2009) "Ground improvement of clayey soil formations using stone columns. A case study from Greece." *International Journal of Geotechnical Engineering*, vol. 3, pp. 493-498, DOI 10.3328/IJGE.2009.03.04.493-498. J. Ross Publishing, Inc. © 2009.
13. Tziallas, G.P., Tsiambaos, G., **Saroglou, H.** (2009). Determination of rock strength and deformability of intact rocks. *Electronic Journal of Geotechnical Engineering*, 14 G, p.1-12.
14. **Saroglou H.**, Tsiambaos G. (2008) "A modified Hoek–Brown failure criterion for anisotropic intact rock", *International Journal of Rock Mechanics & Mining Sciences*, 45, 223–234.
15. **Saroglou H.**, Marinos P. and Tsiambaos G. (2004) "The anisotropic nature of selected metamorphic rocks from Greece", *Journal of South African Institute of Mining and Metallurgy*, 104/4, 217-222.
16. **Saroglou H.**, Marinos P. and Tsiambaos G. (2004) "Applicability of the Hoek-Brown Failure Criterion and the effect of the anisotropy on intact rock samples from Athens Schist", *Journal of South African Institute of Mining and Metallurgy*, 104/4, 209-215.

Publications in books – Special Publications

17. **Saroglou H.** (2009) "Compressive strength of Soil improved with Cement" *Contemporary Topics in Ground Modification, Problem Soils, and Geo-Support*. M. Iskander, D.Laefer, M. Hussein (eds), ASCE Geotechnical Special Publication (GSP) 187, 628 pp. ISBN 9780784410233, DOI: 10.1061/41023(337)37.
18. Marinos P., Tsiambaos G., **Saroglou H.**, Marinos V. (2009) "Rockfall hazard and risk for a high promontory: Monemvasia historical site, Greece." *Landslides - Disaster Risk Reduction*, Sassa, Kyoji; Canuti, Paolo (Eds.), Springer, vol. XVIII, 650 p., ISBN: 978-3-540-69966-8
19. Marinos P., **Saroglou H.**, Novack M., Benissi M. and Marinos V. (2004) "Site investigation for Abandoned Lignite Mines in Urban Environment", Engineering geology for infrastructure planning in Europe, *Lecture notes in Earth sciences*, Springer, vol. 104, 393-404, ISBN 978-3-540-21075-7. DOI: 10.1007/b93922.

Publications in books – Special Publications

20. **Saroglou H.** (2009) "Compressive strength of Soil improved with Cement" *Contemporary Topics in Ground Modification, Problem Soils, and Geo-Support*. M. Iskander, D.Laefer, M. Hussein (eds), ASCE Geotechnical Special Publication (GSP) 187, 628 pp. ISBN 9780784410233, DOI: 10.1061/41023(337)37.
21. Marinos P., Tsiambaos G., **Saroglou H.**, Marinos V. (2009) "Rockfall hazard and risk for a high promontory: Monemvasia historical site, Greece." *Landslides - Disaster Risk Reduction*, Sassa, Kyoji; Canuti, Paolo (Eds.), Springer, vol. XVIII, 650 p., ISBN: 978-3-540-69966-8

22. Marinos P., **Saroglou H.**, Novack M., Benissi M. and Marinos V. (2004) "Site investigation for Abandoned Lignite Mines in Urban Environment", Engineering geology for infrastructure planning in Europe, *Lecture notes in Earth sciences*, Springer, vol. 104, 393-404, ISBN 978-3-540-21075-7. DOI: 10.1007/b93922.

Publications in Proceedings of National and International Conferences (with review)

23. **H. Saroglou**, N. Bar (2017) Predicting the primary impact and total rollout distances of rock falls based on field testing and numerical model simulations in Australia and the United Kingdom. Paper 17-401. Proc. of American Rock Mechanics Association, USA.
24. Kalimogiannis V., **Saroglou H.**, Tsiambaos G. (2017). Assessment of micro-cracking of granite using AE and other methods. *Procedia Engineering* 191, pp. 1108 – 1116, doi: 10.1016/j.proeng.2017.05.285.
25. Chaniotis N., **Saroglou H.**, Tsiambaos G., Alivizatos A. (2017) Excavatability of rockmasses in tunneling. Proc. of 7th International Symposium on Tunnels and Underground Structures in SEE 2017, Zagreb.
26. **Saroglou H.**, Asteriou P., Tsiambaos G., Manousakis J., Zekkos D. (2017). Study of co-seismic rockfalls during Lefkada and Cephalonia Earthquakes, Greece. Proc. of 3rd North American Symposium on Landslides, Virginia, USA. Association of Environmental & Engineering Geologists (AEG), pp. 521-528.
27. Zekkos, D., Clark, M., Cowell, K., Manousakis, J., Tsiambaos, G., **Saroglou H.** (2017) Characterization of landslides during the November 17th Mw 6.5 Lefkada Earthquake using satellite and UAV-based remote sensing approaches. Proc. of ICSMGE, Seoul.
28. Vergara I. M., **Saroglou H.**, Charisi M. (2016). Prediction of TBM performance in mixed-face ground conditions (using geotechnical input parameters). Proc. of Underground Singapore 2016, Singapore.
29. Vergara I. M., **Saroglou H.**, Charisi M. (2016). Prediction of TBM performance in mixed-face ground conditions (using geotechnical input parameters). Proc. of 3rd East European Tunelling Conference, Prague.
30. **Saroglou H.** (2016). Rockfall Susceptibility In Greece and Study of Coseismic Events. Proc. of 15th Symposium on Engineering Geology and Geotechnics, Belgrade.
31. Manousakis J., Zekkos D., **Saroglou H.**, Clark M. (2016). Comparison Of Uav-Enabled Photogrammetry-Based 3d Point Clouds And Interpolated Dsms Of Sloping Terrain For Rockfall Hazard Analysis. Proc. of 11th 3D Geoinfo Conference, Athens.
32. Nikolaidis, & **Saroglou** (2016). Engineering geological characterisation of block-in-matrix rocks. *Bulletin of the Geological Society of Greece*, 50, 874-884. /dx.doi.org/10.12681/bgsg.11793
33. **Saroglou**, & Alexandrou (2016). Coastal cliff instability, a case study from the UK. *Bulletin of the Geological Society of Greece*, 50, 949-958. dx.doi.org/10.12681/bgsg.11799

34. Gagnon A., **Saroglou H.** (2015). Discontinuity Analysis at an Open Pit Mine in Western Africa. 13th International Congress on Rock Mechanics (ISRM). Montreal, Canada.
35. **Saroglou H.**, Gkouvailas A., Clifford T. (2014). Design of quarries for mitigation of rockfalls. Assessment of geotechnical parameters from in situ tests. 7th Hellenic Conf. Of Geotechnical and Geoenvironmental Engineering, Athens (oral presentation)
36. **Saroglou H.**, Berger F., Asteriou P., Tsiambaos G. (2014). Rockfall Risk Assessment Using Three-dimensional Trajectory Analysis. 7th Hellenic Conf. of Geotechnical and Geoenvironmental Engineering, Athens.
37. Anagnostopoulos A., Coumoulos D., **Saroglou H.**, Gardeli E. (2014). European Technical Committee CEN/ TC 341 "Geotechnical Investigation and testing". 7th Hellenic Conf. of Geotechnical and Geoenvironmental Engineering, Athens.
38. **Saroglou, H.**, Sotiriou A. (2014) Engineering geological conditions and instability of Mycenaean Tombs in Cephallonia, Greece. Proc. 12th Int. Congress of IAEG, Torino. Engineering Geology for Society and Territory-Volume 8, 117-122. Springer.
39. Giokari S., Asteriou, P., **Saroglou, H.**, Tsiambaos, G. (2014) Rockfalls: Experimental Investigation of the Effect of Surface Weathering on the Coefficients of Restitution. Proc. 12th Int. Congress of IAEG, Torino. Engineering Geology for Society and Territory-Volume 2, 2041-2044. Springer
40. **Saroglou H.**, Berger F., Bourrier F., Asteriou P., Tsiambaos G., Tsagkas D. (2014) Effect of forest presence on rockfall trajectory. An example from Greece. Proc. 12th Int. Congress of IAEG, Torino. Engineering Geology for Society and Territory-Volume 2, 1899-1903.
41. Tsagkas D., **Saroglou H.** (2014). Slope Stabilization design in environmentally sensitive areas. Proc. 12th Int. Congress of IAEG, Torino. Engineering Geology for Society and Territory-Volume 2, 2101-2104.
42. Saroglou H. (2013). Engineering Behaviour of anisotropic and heterogeneous layered rocks. Proc. of IAEG Conf. "Global view of Engineering Geology and the Environment", p. 721-731.
43. Asteriou, P., **Saroglou, H.**, Tsiambaos, G. (2013). Rockfall: Scaling factors for the Coefficient of Restitution. Proc. of Eurock 2013, Krakow Poland.
44. Asteriou, P., **Saroglou, H.**, Tsiambaos, G. (2013). Rockfalls: Influence of rock hardness on the trajectory of falling rock blocks scaling factors for the coefficient of restitution. Bulletin of the Geological Society of Greece, vol. XLVII, no3, 1684-1693.
45. **Saroglou H.**, Kazilis N. (2013). Engineering geological conditions of Klokova Mountain, Greece. Bulletin of the Geological Society of Greece, vol. XLVII, no3, 1872-1881.
46. **Saroglou H.** (2013). Rockfall hazard in Greece. Bulletin of the Geological Society of Greece, vol. XLVII, no3, 1429-1438.
47. Andrianopoulos, A., **Saroglou, H.**, Tsiambaos, G. (2013). Rockfall hazard and risk assessment of road slopes. Bulletin of the Geological Society of Greece, vol. XLVII, no3, 1664-1673.

48. **Saroglou H.**, Niavis D., Kapenis A. (2011) Tunneling in marls. The case of Melissi tunnel. Proc. of XV European Conference on Soil Mechanics and Geotechnical Engineering "Geotechnics of Hard soils – weak rocks", vol.3 p.1721-1726.
49. **Saroglou H.**, Tsiambaos G., (2010) Excavatability assessment of rockmass using the GSI classification. 6th Hellenic Conf. Of Geotechnical and Geoenvironmental Engineering, Volos. Vol. 2, p. 259-266.
50. **Saroglou H.**, Steiakakis C., (2010). Experimental analysis of the uniaxial compressive strength of anisotropic – layered flysch type rocks and suggestions for use in the GSI classification. 6th Hellenic Conf. Of Geotechnical and Geoenvironmental Engineering, Volos. Vol. 2, p. 243-50.
51. **Saroglou H.**, Mpekri E., Tsiambaos G. (2010) Determination of critical geotechnical parameters of geological formations for the modeling of rockfalls in slopes. 6th Hellenic Conf. Of Geotechnical and Geoenvironmental Engineering, Volos. Vol. 2, p. 43-50.
52. **Saroglou H.**, Marinos v., Tsiambaos G., Marinos P., Lykoudi E., Zarris D. (2010). Erosion hazard assessment in "Natura" regions affected by wildfires. A case from Peloponnese. Greece. Proc. of 11th Congress of IAEG, New Zealand, vol. 1, pp. 142-150.
53. Marinos P., Tsiambaos G., **Saroglou H.**, Marinos V. (2008) "Rockfall hazard and risk for a high promontory: Monemvasia historical site, Greece." Proc. of 1st World Landslide Forum, p. 59-62, Tokyo, Japan
54. **Saroglou H.**, Tsiambaos G. (2007) "Classification of anisotropic rocks". Proc. 11th Int. Congress of Rock Mechanics. Lisbon, Portugal, vol.1, 191-196.
55. **Saroglou H.**, Tsiambaos G., Marinos P. (2006). "Application of the Hoek – Brown failure criterion in anisotropic intact rock", 5th Hellenic Conf. Of Geotechnical and Geoenvironmental Engineering, Ksanthi. Vol. 1, p. 263 - 270.
56. Tsiambaos G., **Saroglou H.** (2006) "Intact rock strength under triaxial compression and the derived Hoek-Brown criteria parameters". International Symp. on Ultimate Limit States of Geotechnical Structures, ELU-ULS 06, Marne-la-Vallee, France, pp. 157-164.
57. **Saroglou H.**, Tsiambaos G. (2006) "Point load strength of anisotropic rocks". Eurock 06, European Regional ISRM Conference, Liege, Belgium, pp. 603-607.
58. **Saroglou H.**, Tsiambaos G. (2007). "Behaviour of metamorphic rocks under loading conditions of Civil Engineering Works and effect of texture on their geotechnical properties", Pythagoras: Conf. On the Research in NTUA, Lesvos, p. 155-161.
59. **Saroglou H.**, Tsiambaos G., Marinos P. (2006). "Classification of metamorphic rocks based on their degree of anisotropy", 5th Hellenic Conf. Of Geotechnical and Geoenvironmental Engineering, Ksanthi. Vol. 1, p. 255 - 262.
60. Antoniou A., **Saroglou H.**, (2006). "Rockfall analysis of the natural slopes in Loutraki healing spring area, Korinthia Prefecture", 5th Hellenic Conf. Of Geotechnical and Geoenvironmental Engineering, Ksanthi. Vol. 2, p. 493 - 500.
61. Steiakakis C., Grambas A., **Saroglou H.** (2004). "Problems regarding the measurements for determination of elasticity modulus and Poisson ratio (ν) in

- geomaterials”, Proc. of 1st International Congress “Advances in Mineral resources management and environmental geotechnology”, Crete, 63-68.
62. **Saroglou H.**, Marinos P., Tsiambaos G. (2003) “Applicability of the Hoek-Brown Failure Criterion and the effect of the anisotropy on intact rock samples from Athens Schist”, 10th Int. Conf. of ISRM, Technology Roadmap for rock Mechanics, South African Institute of Mining and Metallurgy, 1025-1030.
63. **Saroglou H.**, Marinos P., Tsiambaos G. (2003) “The anisotropic nature of selected metamorphic rocks from Greece”, 10th Int. Conf. of ISRM, Technology Roadmap for rock Mechanics, South African Institute of Mining and Metallurgy, 1019-1024.
64. Marinos P., Kavvadas M., Tsiambaos G. and **Saroglou H.** (2002) “Rock slope stabilization in Mythimna castle, Lesvos island, Greece”, *1st European conference on landslides*, Balkema publ, ed: Rybar Stemberk & Wagner, Prague, 635-639.

Paper 7 was 2nd in the list of most downloadable articles of the Journal (897 downloads) in the period December 2011 - March 2012 (90 days).

Paper 10 was in the list of 25 top articles of the International Journal of Rock Mechanics in the period January - March 2008.