



## Fernando Antônio Medeiros Marinho

Address to access this CV: <http://lattes.cnpq.br/1896550951698710>

Last updated 24/06/2020

### Resumo informado pelo autor

Graduated in Civil Engineering from the University of Pernambuco (1983), master's degree in Soil Mechanics from the Catholic University of Rio de Janeiro (1986), PhD in Geotechnical Engineering from the University of London - Imperial College (1994). He was visiting professor at Arizona State University (2008). He is currently associate professor at the University of São Paulo. It has experience in Geotechnical area, acting on the following topics: unsaturated soils, climate effect in geotechnical works, waste landfill covers, experimental field studies and laboratory, dams, tailing behaviour, slope stability, flow in porous media.

(Text informed by the author)

### Links para Outras Bases:

[SciELO - Artigos em texto completo](#) 

### Civil name

**Full name** Fernando Antônio Medeiros Marinho

### Personal Information

**Parental information** Antônio Juarez Rabelo Marinho and Maria Genoveva Medeiros Marinho

**Birth information** 15/12/1960 - São Paulo/SP - Brazil

**Identification document** 1837685 SSP - PE - 27/07/1978

**CPF Number** 231.621.634-04

### Formal Education

- 1990 - 1994** Doctorate in Soil Mechanics.  
University of London, UL, Londres, England  
Title: Shrinkage Behaviour of Some Plastic Soils, Year of degree: 1994  
Advisor: Richard Chandler  
Scholarship from : Coordenação de Aperfeiçoamento de Pessoal de Nível Superior
- 1984 - 1986** Master's in Civil Engineering.  
Pontifícia Universidade Católica do Rio de Janeiro, PUC-Rio, Rio De Janeiro, Brazil  
Title: CARACTERÍSTICAS DE DEFORMABILIDADE DO SOLO RESIDUAL DO CAMPO EXPERIMENTAL II DA PUC/RJ OBTIDAS A PARTIR DE ENSAIOS TRIAXIAIS AXISSIMÉTRICOS, Year of degree: 1986  
Advisor: TÁCIO MAURO PEREIRA DE CAMPOS  
Scholarship from : Coordenação de Aperfeiçoamento de Pessoal de Nível Superior
- 1979 - 1983** Graduation in Engenharia Civil.  
Universidade de Pernambuco, UPE, Recife, Brazil, Year of degree: 1983

### Postdoctorate and habilitation

- 2007 - 2008** Postdoctorate .  
Arizona State University, ASU, Tempe, United States  
Scholarship from : Coordenação de Aperfeiçoamento de Pessoal de Nível Superior
- 1995 - 1996** Postdoctorate .  
Universidade de São Paulo, USP, Sao Paulo, Brazil  
Scholarship from : Conselho Nacional de Desenvolvimento Científico e Tecnológico
- 2005** Habilitation .  
Escola Politécnica da Universidade de São Paulo, POLI/USP, Sao Paulo, Brazil  
Title: Os Solos Não Saturados: Aspectos Teóricos, Experimentais e Aplicados, Year of degree: 2005

### Complementary Education

- 2006 - 2006** Short Term Course in Modeling Of Water Flow And Contaminant Transport I. (Carga horária: 16h).  
Pontifícia Universidade Católica do Rio de Janeiro, PUC-Rio, Rio De Janeiro, Brazil
- 1998 - 1998** Short Term Course in Critical State Soil Mechanics - Saturated and Unsa. (Carga horária: 16h).  
Universidade de São Paulo, USP, Sao Paulo, Brazil
- 1996 - 1996** Short Term Course in Unsaturated Soil Mechanics. (Carga horária: 16h).  
Universidade de São Paulo, USP, Sao Paulo, Brazil
- 1994 - 1994** Short Term Course in Unsaturated Soils - Recente Developments and Aplic.  
Universitat Politècnica de Catalunya, UPC, Barcelona, Spain
- 1991 - 1991** Short Term Course in Short Course on Foundations. (Carga horária: 32h).  
Imperial College of Science, Technology and Medicine, ICSTM, London, England
- 1985 - 1985** Short Term Course in Marine Geotechnics. (Carga horária: 4h).  
Pontifícia Universidade Católica do Rio de Janeiro, PUC-Rio, Rio De Janeiro, Brazil
- 1984 - 1984** Short Term Course in Behavior of Piled Foundations Under Vertical and H. (Carga horária: 24h).  
Pontifícia Universidade Católica do Rio de Janeiro, PUC-Rio, Rio De Janeiro, Brazil
- 1983 - 1983** Short Term Course in Projeto e Construção de Barragens de Terra. (Carga horária: 248h).

## Professional Experience

### 1. Universidade de São Paulo - USP

#### Contract institutional

**1996 - Current** Contract: Servidor público , Position: Professor Associado , Working hours (weekly): 40, Schemes of job: Full-time and exclusiveness  
Other information:  
Professor credenciado do Instituto de Geociências da Universidade de São Paulo

#### Activities

- 01/2003 - Current** , Escola Politécnica  
*Specification:*  
*A partir de 2013 com atuação na pós graduação do Instituto de Geociência da USP , Orientações, atuação na pós e projetos em 2003(p/ CAPES)*
- 09/2001 - 01/2013** Management and Administrative Positions, Escola Politécnica, Departamento de Engenharia de Estruturas e Fundações  
*Positions:*  
*Diretor do laboratório de Mecânica dos Solos*
- 12/1998 - 01/2008** Management and Administrative Positions, Escola Politécnica, Departamento de Engenharia de Estruturas e Fundações  
*Positions:*  
*Representante do Depart. na Comissão de Pesquisa da EPUSP*
- 06/1998 - Current** Councils, Commissions and Consulting, Escola Politécnica, Departamento de Engenharia de Estruturas e Fundações  
*Specification:*  
*Membro de comissão*
- 05/1997 - 05/2000** Management and Administrative Positions, Escola Politécnica, Departamento de Engenharia de Estruturas e Fundações  
*Positions:*  
*Membro de conselho do Departamento*
- 05/1997 - 05/2001** Management and Administrative Positions, Escola Politécnica, Departamento de Engenharia de Estruturas e Fundações  
*Positions:*  
*Vice-Diretor do Laboratório de Mecânica dos Solos*
- 08/1996 - Current** Post-graduate degree, Engenharia Civil  
*Disciplines Taught:*  
*MECÂNICA DOS SOLOS NAO SATURADOS - PEF 818*
- 07/1996 - 09/2001** Management and Administrative Positions, Escola Politécnica, Departamento de Engenharia de Estruturas e Fundações  
*Positions:*  
*Vice-Coordenador de programa (Geotecnia)*
- 06/1996 - Current** Graduate degree, Engenharia civil  
*Disciplines Taught:*  
*Mecânica dos Solos , Obras de Terra , Mecânica dos Solos para Engenheiros de Minas*
- 06/1996 - Current** Research and Development, Escola Politécnica, Departamento de Engenharia de Estruturas e Fundações
- 01/1996 - Current** Continuing Education, Escola Politécnica, Departamento de Engenharia de Estruturas e Fundações  
*Specification:*  
*Critical state soil mechanics - Saturated and unsaturated state*

### 2. Université de Sherbrooke - USherbrooke

#### Contract institutional

**2005 - Current** Contract: Professor Adjunto , Position: Nenhum, Schemes of job: Part-time

#### Activities

- 11/2005 - 11/2005** Training  
*Specification:*  
*Curso sobre mecânica dos Solos Não saturados*

### 3. Heriot-Watt University - HERIOT-WATT

#### Contract institutional

**2010 - 2010** Contract: Professor visitante , Position: Professor visitante, Schemes of job: Part-time  
Other information:  
Professor visitante com apoio da Royal Society of Edinburgh

### 4. Associação Brasileira de Mecânica dos Solos e Engenharia Geotécnica - ABMS

#### Contract institutional

**1982 - Current** Contract: Sócio titular , Position: Sócio titular, Schemes of job: Part-time

## 5. American Society Of Civil Engineers - -

**Contract  
institutional****2000 - 2000** Contract: Colaborador , Position: nenhum , Working hours (weekly): 0, Schemes of job: Part-time**Activities****08/2000 - 08/2000** Training*Specification:  
Mini curso sobre medição de sucção em solos***Scientific Journal Referee**

---

## 1. Engineering Geology

**Contract****2013 - Current** Schemes of job: Part-time

## 2. Canadian Geotechnical Journal (Print)

**Contract****2012 - Current** Schemes of job: Part-time  
Other information:  
Editorial Board Member

## 3. ASTM. Geotechnical Testing Journal

**Contract****2009 - Current** Schemes of job: Part-time  
Other information:  
Revisor ad-hoc

## 4. Geotechnique

**Contract****2007 - Current** Schemes of job: Part-time**2003 - 2004** Schemes of job: Part-time  
Other information:  
ad-hoc

## 5. Journal of Geotechnical and Geoenvironmental Engineering

**Contract****2002 - Current** Schemes of job: Part-time  
Other information:  
ad-hoc

## 6. Journal of Zhejiang University Science

**Contract****2006 - 2010** Schemes of job: Part-time  
Other information:  
ad-hoc

## 7. Solos e Rochas

**Contract****1999 - 2012** Schemes of job: Part-time  
Other information:  
ad-hoc**Member of Editorial Board**

---

## 1. Canadian Geotechnical Journal (Print)

**Contract****2016 - Current** Schemes of job: Part-time  
Other information:  
Canadian Geotechnical Journal Editorial Board**S, T & A Production**

---

Bibliographic Production

## Articles Published in Scientific Journals

1.  **Marinho, F. A. M.; VARGAS JUNIOR, E. A.**, 2020. Effect of Suction on the Shear Strength of Soil-Rock Interfaces In *GEOTECHNICAL AND GEOLOGICAL ENGINEERING.* , v.3, 1-13
2.  **MENDES, R. M.; Marinho, F. A. M.**, 2020. Soil Water Retention Curves for Residual Soils Using Traditional Methods and MIP In *GEOTECHNICAL AND GEOLOGICAL ENGINEERING.* , v.38, 1
3. **CARNERO, G. G.; Marinho, F. A. M.**, 2019. Backpressure Saturation Effects on the Mechanical Behaviour of a Quasi-Saturated Compacted Residual Soil In *GEOTECHNICAL ENGINEERING JOURNAL OF THE SEAGS & AGSSEA.* , v.50, 1-10
4.  **Marinho, F. A. M.; CARNERO, G. G.** et al., 2016. Constant Water Content Compression Tests on Unsaturated Compacted Soil with Suction Measurement Using a HCT In *International Journal of Geomechanics.* , v.16, D4015008
5.  **OLIVEIRA, O. M.; LI, P.; Marinho, F. A. M.** et al., 2016. Mechanical Behaviour of a Compacted Residual Soil of Gneiss from Brazil under Constant Water Content Condition In *Indian Geotechnical Journal.* , v.5, 1-10
6.  **MENDES, RODOLFO MOREDA; MARINHO, FERNANDO ANTÔNIO MEDEIROS** et al., 2015. CAPACIDADE DE RETENÇÃO DE ÁGUA EM SOLOS DA SERRA DO MAR, SP In *Revista do Instituto Geológico.* , v.36, 21-34
7. **CABETTE, J. F.; GONÇALVES, H. H.; Marinho, F. A. M.** et al., 2015. Métodos sem-empíricos versus ensaios de carregamento dinâmico em estacas In *Geotecnia (Lisboa).* , v.135, 89-113
8. **SESTREM, L. P.; KORMANN, A. C. M.; PRETTO, J. H. F.** et al., 2015. Precipitation influence on the distribution of pore pressure and suction in a coastal hillside In *Soils & Rocks.* , v.38, 81-92
9.  **HAGHIGHI, A.; MEDERO, G. M.; MARINHO, F. A. M.** et al., 2013. Discussion of  $\alpha$  Critical Review of the Methodologies Employed for Soil Suction Measurement $\alpha$  by S. Sreedeeep and Devendra N. Singh In *International Journal of Geomechanics.* , v.13, 326-326
10.  **MARINHO, F. A. M.; OLIVEIRA, O. M.** et al., 2013. Shear strength behavior of compacted unsaturated residual soil In *International Journal of Geotechnical Engineering.* , v.7, 1-9
11.  **Haghighi, Ali; MEDERO, G. M.; Marinho, Fernando A. M.** et al., 2012. Temperature Effects on Suction Measurement Using the Filter Paper Technique In *Geotechnical Testing Journal.* , v.35, 103575
12.  **Marinho, Fernando A. M.; da Silva Gomes, Jorge E.**, 2012. The Effect of Contact on the Filter Paper Method for Measuring Soil Suction In *Geotechnical Testing Journal.* , v.35, 103571
13.  **PRADO, R. L.; BARBOSA, E. M.; MENDES, Rodolfo Moreda** et al., 2012. Uso do atributo amplitude instantânea do dado gpr na avaliação do teor de umidade de solos e sedimentos In *REVISTA BRASILEIRA DE GEOFÍSICA (IMPRESSO).* , v.29, 571-581
14.  **HAGHIGHI, A.; MEDERO, G. M.; MARINHO, F. A. M.** et al., 2011. Discussion of "Measurements of suction versus water content for bentonite-sand mixtures" In *Canadian Geotechnical Journal (Print).* , v.48, 336-337
15.  **MARINHO, F. A. M.; OLIVEIRA, O. M.**, 2011. Unconfined shear strength of compacted unsaturated plastic soils In *Proceedings of the Institution of Civil Engineers. Geotechnical Engineering.* , 1
16. **Prado, R.L.; Barbosa, E. E. M.; Mendes, R.M.** et al., 2011. Uso do atributo amplitude instantânea do dado GPR na avaliação do teor de umidade de solos e sedimentos In *Revista Brasileira de Geofísica (Impresso).* , v.29, 571-581
17. **PRADO, R. L.; Barbosa, E. E. M.; MENDES, R. M.** et al., 2011. Uso do atributo amplitude instantânea do dado GPR na avaliação do teor de umidade de solos e sedimentos In *Revista Brasileira de Geofísica (Impresso).* , v.29, 571-581
18. **Barbosa, E. E. M.; PRADO, R. L.; MENDES, R. M.** et al., 2010. Estimativas do teor de umidade empregando o método GPR: Uma avaliação comparativa em experimentos de laboratório In *Revista Brasileira de Geofísica (Impresso).* , v.28, 692-701
19. **MARINHO, F. A. M.; SOUSA, L.**, 2010. Sistema de cobertura de aterro de RSU para oxidação biológica do metano In *Revista Limpeza Pública.* , v.73, 6-13
20.  **TRAVIS, Q. B.; HOUSTON, S.; MARINHO, F. A. M.** et al., 2010. Unsaturated Infinite Slope Stability Considering Surface Flux Conditions In *Journal of Geotechnical and Geoenvironmental Engineering.* , v.136, 963
21. **TEIXEIRA, C. E.; Torves, J. C.; FINOTTI, A. R.; MARINHO, F. A. M.** et al., 2009. Estudo sobre a oxidação aeróbia do metano na cobertura de três aterros sanitários no Brasil In *Engenharia Sanitária e Ambiental.* , v.14, 99-108
22. **MARINHO, F. A. M.; CABRAL, A. R.; TEIXEIRA, C. E.** et al., 2009. Resíduo do Processo de Reciclagem de Papel como Material Alternativo para Aplicações em Geotecnia Ambiental In *Geotecnia (Lisboa).* , v.115, 125-142
23. **MARINHO, F. A. M.; TEIXEIRA, P. F.**, 2009. The Use of a High Capacity Tensiometer for Determining the Soil Water Retention Curve - Technical note In *Solos e Rochas.* , v.32, 91-96
24.  **MARINHO, F. A. M.; TAKE, W.A.; TARANTINO, A.**, 2008. Measurement of matric suction using tensiometric and axis translation techniques. In *Geotechnical and Geological Engineering.* , v.26, 615-631
25.  **OLIVEIRA, O. M.; MARINHO, F. A. M.**, 2008. Suction equilibration time for a high capacity tensiometer In *ASTM. Geotechnical Testing Journal.* , v.31, 61-66
26.  **MARINHO, F. A. M.**, 2006. A method of estimating the soil-water retention curve for plastic soils In *Geotechnical special publication.* , v.147, 1473-1481
27.  **PARENT, Serge É; CABRAL, A. R.; GRAS, G** et al., 2006. Design and Instalation of zero-tension lysimeters in an inclined cover In *Geotechnical special publication.* , v.147, 625-633
28.  **OLIVEIRA, O. M.; MARINHO, F. A. M.**, 2006. Evaluation of Filter Paper Calibration In *Geotechnical special publication.* , v.147, 1845-1851
29.  **OLIVEIRA, O. M.; MARINHO, F. A. M.**, 2006. Study of Equilibration Time in the Pressure Plate In *Geotechnical special publication.* , v.147, 1864-1874
30.  **MARINHO, F. A. M.; OLIVEIRA, O. M.**, 2006. The filter paper method revised In *Geotechnical Testing Journal.* , v.29, 250-258
31. **VEIRA, A. M.; OLIVEIRA, O. M.; MARINHO, F. A. M.**, 2005. Aspectos da curva de calibração do TDR para um solo residual compactado In *Solos e Rochas.* , v.28, 295-306

32. [doi](#) MARINHO, F. A. M.. 2005.  
Nature of the soil-water characteristic curves for plastic soils In Journal of Geotechnical and Geoenvironmental Engineering. , v.131, 654-661
33. [doi](#) CABRAL, A. R.; PLANCHET, L.; MARINHO, F. A. M.; LEFEBVRE, G. et al.. 2004.  
Determination of the Soil Water Characteristic Curve of Highly Compressible Materials: Case Study of Pulp and paper By-Product In ASTM. Geotechnical Testing Journal. , v.27, 1-9
34. MARINHO, F. A. M.; STANDING, J. R. et al.. 2003.  
Soil suction development under isotropic loading and unloading in a compacted residual soil In Solos e Rochas. , v.26, 115-128
35. MARINHO, F. A. M.. 2000.  
Discussion - The use of miniature pressure transducer in measuring matric suction in unsaturated soils In ASTM. Geotechnical Testing Journal. , v.23, 532-534
36. MARINHO, F. A. M.; PINTO, C. S.. 2000.  
Discussion: Use of liquid limit state to generalize water retention properties of fine-grained soils In Geotechnique. , v.50, 295-296
37. MARINHO, F. A. M.; CHANDLER, R. J.. 1994.  
Discussão - A New Instrument for Measuring Soil Moisture Suction In Geotechnique. , v.44, 551-552
38. MARINHO, F. A. M.; CHANDLER, R. J.. 1993.  
Discussão - The Behavior at the Shrinkage Limit of Clay Undergoing Drying In ASTM. Geotechnical Testing Journal. , v.16, 563-563

#### Articles published in annals of events (complete)

1. ORLANDO, P. Del G.; MENDES, R. M.; Marinho, F. A. M. et al.. 2014.  
Soil water retention curves of the unsaturated residual soil from the Brazilian coast In *Geomechanics from micro to macro* International Symposium on Geomechanics from micro to macro Cambridge 2014 2 1431-1436 London: CRC

## Eventos

### Eventos

#### Participation In Events

1. Conferencista no(a) *Second Pan-American Conference on Unsaturated Soils*, 2017. (Congress)  
Fundamentals of Soil Shrinkage.
2. Moderador no(a) *6th International Conference on Unsaturated Soils*, 2014. (Congress)  
Thermal Effects - Desiccation.
3. Conferencista no(a) *First European Conference on Unsaturated Soils*, 2008. (Congress)  
The Calibration curve for the Filter paper method for suction measurement.

#### Citations

<b>Web of Science</b>		
<b>Number of articles:</b> 23	<b>Total of citations:</b> 123	<b>Factor H:</b> 6
Marinho, Fernando A		
<b>SciELO</b>		
<b>Number of articles:</b> 2	<b>Total of citations:</b> 2	
Marinho, Fernando Antonio Medeiros		
<b>SCOPUS</b>		
<b>Number of articles:</b> 46	<b>Total of citations:</b> 345	
Marinho F A M		
<b>Outras</b>		
<b>Number of articles:</b> 56	<b>Total of citations:</b> 675	
Marinho, FAM; Marinho, F		

## Total of Production

### Bibliographic Production

Articles published in scientific journal	<b>38</b>
Chapters published	<b>3</b>
Organization of work published	<b>1</b>
Article in magazine	<b>2</b>
Articles published in annals of events	<b>99</b>
Presentations in Events (Conference or lecture)	<b>51</b>
Presentations in Events (Congress)	<b>1</b>
Presentations in Events (Seminar)	<b>8</b>
Presentations in Events (Other)	<b>1</b>
Other bibliographic productions	<b>5</b>

### Technical Production

Programa de computador sem registro	1
Technological Product (pilot)	1
Technological Product (prototype)	4
Technical Works (assessorship)	1
Technical Works (consulting)	10
Technical Works (opinion document)	5
Technical Works (technical report)	11
Technical Works (other)	1
Short Term Course Taught (Continuing education)	3
Short Term Course Taught (specialization)	2
Short Term Course Taught (other)	1
Development of teaching material	1
Research report	3

#### Academic Advisories

Academic Advisory - concluded (Master's thesis - primary advisor)	18
Academic Advisory - concluded (Ph.D. thesis - secondary advisor)	1
Academic Advisory - concluded (Ph.D. thesis - primary advisor)	5
Academic Advisory - concluded (scientific initiation)	7
Academic Advisory - concluded (scientific initiation)	6
Academic Advisory - current (Master's thesis - advisor)	3
Academic Advisory - current (Ph.D. thesis - advisor)	1

#### Events

Participation in events (congress)	19
Participation in events (seminar)	6
Participation in events (symposium)	19
Participation in events (workshop)	1
Participation in events (meeting)	3
Participation in events (other)	1
Event Production (congress)	1
Event Production (other)	11
Participation in graduate boards (Master's)	35
Participation in graduate boards (Doctorate)	18
Participation in graduate boards (exam for Ph.D. qualification)	11
Participation in judging commission boards (contest)	5

#### Other relevant publications

Other relevant works	31
----------------------	----

Page generated by the System Lattes in 24/06/2020 at 10:25:08.