

# Nuria F. Castro

📍 Rua Maestro Francisco Braga, 6 - Copacabana, 22041070 Rio de Janeiro - RJ (Brazil)

📞 (+55) 21 38657276 ✉ ncastro@cetem.gov.br

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Dolores Pereira

IUGS Heritage Stones Subcommittee Secretary General

Facultad de Ciencias, Plaza de la Merced s/n, University of Salamanca

Salamanca

Spain

Rio de Janeiro, 27 August 2019

**Subject:** Candidacy to the Heritage Stones Subcommittee Board - Motivation Letter

Dear Madam,

I would like to express my interest in applying to a position for the next IUGS EC 2020-2024 HSS Board.

I'm a researcher (technologist) of the Centre for Mineral Technology where I've been working for 17 years now, always in the area of natural stones and now I'm also doing my PhD research on heritage stones conservation.

After my participation in the I Workshop of Heritage Stones, last year in Salamanca, and also in the EGU related session in Vienna this year I felt like I could be more active in Heritage Stones dissemination in Brazil and South America, since I have, thanks to my work, a wide network of contacts.

I think that I could help the HSS commission with the points of view of Latin America, where I've been living and working since 1994, but I also have a European perspective because I was born and raised in Spain.

Finally, as Mining Engineer and today working with heritage conservation, I hope to fulfill the requirements to be part of the board of such an exciting and important work as is the sustainability of humankind 'stony' memories.

Yours sincerely,



Nuria F. Castro

📎 Enclosed: Curriculum vitae, Language passport

## PERSONAL INFORMATION

## Nuria F. Castro



📍 Av. Pedro Calmon, 900. Cid. Universitária - 21941-908 Rio de Janeiro - RJ (Brazil)

☎ (+55) 21 38657276

✉ ncastro@cetem.gov.br

🌐 [www.cetem.gov.br](http://www.cetem.gov.br)

Sex Female | Date of birth 26/12/1965 | Nationality Spanish, Brazilian

## PERSONAL STATEMENT

IUGS Heritage Stones Subcommission Board

## WORK EXPERIENCE

2002–Present

**Science and Technology Researcher**

Centre for Mineral Technology - CETEM, Rio de Janeiro (Brazil)

-**Research activities:** stones conservation, natural stones, local production clusters (APLs), mining (quarrying), life cycle analysis, wastes recycling, sustainable development and scientific dissemination.

- **Managerial activities:**

- Head of the Regional Unit of Espirito Santo, in Cachoeiro do Itapemirim, the CETEM's branch for natural stones research and development, from 2009 to 2018.
- Member of IT Board
- Member of the Editorial Board
- Member of the Continuous Improvement of Public Services Group

- **Technical Services:**

- Natural Stones Characterization technical reports
- Inputs consumption evaluation for Natural Stones Companies
- Technical support to Heritage Conservators

- **Scientific dissemination:**

- Creation of Educational Materials on Mineral Processing and Natural Stones (HQs, Health&Safety, Others)
- Books editor (Natural Stones Technology, Conferences proceedings).
- Organization of Nacional and International Conferences on Natural Stones: Global Stone Congress (2005, 2008, 2018), Marble and Granite IBEROEKA - CYTED (2003), Brazilian Natural Stones Conferences (2005, 2007, 2009, 2012, 2016) and several local workshops.
- Participant and coorganizer of CETEM's Scientific Exhibitions

01/06/1994–20/02/2002

**Technician and Management Support**

Medir Ltda., Ouro Preto - MG (Brazil)

Hydro meteorology consulting and instrumentation. Unpaid familiar business. Main activities:

- customers support

- bids and imports documentation
- translation of equipment software and catalogs
- hydro meteorological instruments installation and repair

1998–2001 **Spanish Teacher and Bussines Manager**  
Point Idiomas Cultura e Arte Ltda., Ouro Preto - MG (Brazil)

- Spanish learning material elaboration
- Spanish lessons main teacher
- Language immersion activities organization (Spanish and English) and material elaboration
- Bussiness manager (partner).

11/1992–05/1994 **Laboratory Practices Scholarship**  
LOEMCO - Building Materials Laboratory, Madrid (Spain)

- natural stones testing
- prenormative studies for natural stones (CEN): abrasion resistance test.

EDUCATION AND TRAINING

08/2018–Present **Doctorate in Geology** EQF level 8  
Federal University of Rio de Janeiro, Rio de Janeiro - RJ (Brazil)  
Applied science to heritage stones characterization and conservation

03/2007–05/2009 **Masters in Geology** EQF level 7  
Federal University of Rio de Janeiro, Rio de Janeiro - RJ (Brazil)  
Limestone small quarrying and sustainable development

2005–2006 **Specialist in Natural Stones Production and Valorisation** EQF level 7  
Federal University of Rio de Janeiro, Rio de Janeiro - RJ (Brazil)

1994–1995 **Specialist in Geology** EQF level 7  
Federal University of Ouro Preto, Ouro Preto - MG (Brazil)

1985–1994 **Mining Engineer** EQF level 7  
Politechnical University of Madrid, Madrid (Spain)

PERSONAL SKILLS

Mother tongue(s) Spanish

Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Portuguese	C2	C2	C2	C2	C2
English	C1	C1	B2	B2	C1
Italian	C1	C1	B2	B2	B1
German	B1	B2	B1	B1	B1
Diploma Instituto Alemán					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

**Communication skills** - good communication and contact skills gained through my experience

**Organisational / managerial skills** - leadership, from being responsible of a team of around 50 people for nine years  
 - organisational, from the Espírito Santo's Unit building and organization of facilities, staff and procedures. Also from the many conferences and scientific events organised.

**Job-related skills** - Main responsible for the development and establishment of the CETEM's Natural Stones Laboratory Quality System (ISO 17025)  
 - Member of the Special Committee of Natural Stones Technical Standards (Brazilian Association of Technical Standardization) - ABNT/CEE-187

**Digital skills**

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Independent user	Independent user	Independent user

Digital skills - Self-assessment grid

**ADDITIONAL INFORMATION**

**Production**

**Bibliographic Production**

Articles published in scientific journal	2
Books published	2
Chapters published	13
Organization of work published	12
Article in magazine	9
Articles published in annals of events	58
Presentations in Events	27
Translation	2
Other bibliographic productions	5

**Technical Production**

Technical Works (opinion document)	80
Technical Works (technical report)	25
Short Term Course Taught (other)	2
Development of teaching material	3
Academic Advisories	34

**Events**






Participation in events (congress)	63
Congresses/Seminars Organization	11






Complete CV at: <http://lattes.cnpq.br/1783107702895552>






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Mother tongue(s)  
Spanish

Foreign language(s)  
Portuguese, English, Italian, German

Portuguese				
Self-assessment of language skills				
UNDERSTANDING		SPEAKING		WRITING
 Listening	 Reading	 Spoken interaction	 Spoken production	 Writing
<b>C2</b> Proficient user	<b>C2</b> Proficient user	<b>C2</b> Proficient user	<b>C2</b> Proficient user	<b>C2</b> Proficient user
Linguistic and intercultural experience				
Description				Duration
Resident in Brasil since 1994 - Daily use of Portuguese Language				30/6/94–Present

English				
Self-assessment of language skills				
UNDERSTANDING		SPEAKING		WRITING
 Listening	 Reading	 Spoken interaction	 Spoken production	 Writing
<b>C1</b> Proficient user	<b>C1</b> Proficient user	<b>B2</b> Independent user	<b>B2</b> Independent user	<b>C1</b> Proficient user
Linguistic and intercultural experience				
Description				Duration
Using languages at work: Regular professional use of the English language				

Italian				
Self-assessment of language skills				
UNDERSTANDING		SPEAKING		WRITING
 Listening	 Reading	 Spoken interaction	 Spoken production	 Writing
<b>C1</b> Proficient user	<b>C1</b> Proficient user	<b>B2</b> Independent user	<b>B2</b> Independent user	<b>B1</b> Independent user
Linguistic and intercultural experience				
Description			Duration	
Using languages at work: Private lessons up to advanced level. Used in regular trips to Italy, and in written communications with my colleagues in that country.			5/4/99–Present	

German				
Self-assessment of language skills				
UNDERSTANDING		SPEAKING		WRITING
 Listening	 Reading	 Spoken interaction	 Spoken production	 Writing
<b>B1</b> Independent user	<b>B2</b> Independent user	<b>B1</b> Independent user	<b>B1</b> Independent user	<b>B1</b> Independent user
Certificates and diplomas				
Title	Awarding body	Date	Level*	
Mittelsestufe II Zertifikat	Goethe Institut	1991	B2	
Linguistic and intercultural experience				
Description			Duration	
Using languages while living or travelling abroad: IAESTE scholarship exchange. 3 month stay in Germany (1991). continuation of studies with sporadic private lessons in Brazil (1997-1999; 2001; 2018)			1/9/91–22/12/91	