Curriculum Vitae

# Vera Lúcia Teixeira Alves de Oliveira

Vera Lúcia Oliveira has a PhD in Applied Mathematics from Science Faculty University of Porto (2001). She is Assistant Professor at the Mathematics Department of the FCEP/ISCAP - Faculty of Business , UTPORTO - TECHNICAL UNIVERSITY OF PORTO, Portugal, since 1992. She teaches subjects like Forecasting Methods, Statistics, Mathematics, Applied Mathematics, among others. She is author and co-author of several peer-reviewed publications on Time Series (INAR Models), Mathematics Education, Teaching and Learning, E-Learning and Higher Education.  Her main research interests are Time series; INAR Models; Mathematics Education; Applied Mathematics; Teaching and Learning; E-Learning; Higher Education; Statistics.

"More than two decades after their publication, papers on INAR(1) and INAR(p) models continue to be cited in the scientific literature, including in recent research on INAR models".

## Identification

### Personal identification

Full name
Vera Lúcia Teixeira Alves de Oliveira

Gender
Female

### Citation names

OLIVEIRA, VERA
Oliveira, VL
VERA LÚCIA OLIVEIRA

### Author identifiers

Ciência ID
7619-6618-B4A7

ORCID iD
0000-0002-9791-3513

### Knowledge fields

Exact Sciences - Mathematics - Applied Mathematics

## Languages

| Language | Speaking | Reading | Writing | Listening | Peer-review |
|---|---|---|---|---|---|
| Portuguese (Mother tongue) | | | | | |
| English | Upper intermediate (B2) | Upper intermediate (B2) | Upper intermediate (B2) | Upper intermediate (B2) | Upper intermediate (B2) |
| French | Elementary (A2) | Elementary (A2) | Elementary (A2) | Elementary (A2) | Elementary (A2) |
| Spanish; Castilian | Intermediate (B1) | Intermediate (B1) | Intermediate (B1) | Intermediate (B1) | Intermediate (B1) |
| Polish | Elementary (A2) | Elementary (A2) | Beginner (A1) | Beginner (A1) | Beginner (A1) |

# Education

| | Degree | Classification |
|---|---|---|
| 1996/10/24 - 2001/05/10<br>Concluded | Applied Mathematics (Doktor (PhD))<br><br>Universidade do Porto Faculdade de Ciências, Portugal<br>*"Modelos Autoregressivos para Sucessões Cronológicas de Contagem: caracterização e modelação. "* *(THESIS/DISSERTATION)* | |
| 2001<br>Concluded | Vera Lúcia Teixeira Alves de Oliveira (Doctorate)<br><br>Universidade do Porto Faculdade de Ciências, Portugal | |
| 2001<br>Concluded | Matemática Aplicada (Doctorate)<br><br>Universidade do Porto Faculdade de Ciências, Portugal | |
| 1993/10 - 1995/03<br>Concluded | Matemática Aplicada (Master's Degree)<br><br>Universidade do Porto Faculdade de Ciências, Portugal<br>*"Análise e Previsão de Sucessões Cronológicas baseadas em Modelos de Decomposição. "* *(THESIS/DISSERTATION)* | |

# Affiliation

## Teaching in Higher Education

| | Category<br>Host institution/organization | Employer |
|---|---|---|

| | | |
|---|---|---|
| 1992/03/02 - Current | Assistant Professor (University Teacher)<br>Universidade Técnica do Porto, Portugal | Universidade Técnica do Porto, Portugal |

## Outputs

### Publications

| | | |
|---|---|---|
| Book | 1 | OLIVEIRA, VERA. *Exame 2024 : MACS, 11º ano*. Leya Educação. 2023.<br>Published |
| Conference paper | 1 | Lopes, Ana Paula; Soares, Filomena; Azevedo, José; Nunes, Maria Paula; Oliveira, Vera. "DEVELOPING A SEQUENTIAL AND MULTI-LEVELED QUESTION BANK FOR SMALL CLASS TASKS". 2023.<br>Published • 10.21125/inted.2023.2222 |
| | 2 | VERA LUCIA OLIVEIRA. "QUIZ MAKER TOOLS: ANALYSIS AND PEDAGOGICAL APPLICATIONS". 2022.<br>10.21125/edulearn.2022.2352 |
| | 3 | OLIVEIRA, VERA; Maria Eduarda Silva. "Análise bispectral dos Modelos INAR". Paper presented in *Vera Lúcia Oliveira*, 2001.<br>Published |
| | 4 | OLIVEIRA, VERA; Maria Eduarda Silva. "Processos para Séries Temporais de Contagem". Paper presented in *Processos para Séries Temporais de Contagem*, 2000.<br>Published |
| | 5 | OLIVEIRA, VERA. "Modelos Inteiros para Processos de Contagem.". Paper presented in *Modelos Inteiros para Processos de Contagem.*, 2000.<br>Published |
| Journal article | 1 | Maria Eduarda Silva; OLIVEIRA, VERA. "Difference Equations for the Higher Order Moments and Cumulants of the INAR(p) Model". *Journal of Time Series Analysis* 26 1 (2005): 17-36. http://dx.doi.org/10.1111/j.1467-9892.2005.00388.x.<br>10.1111/j.1467-9892.2005.00388.x |
| | 2 | Maria Eduarda Silva; OLIVEIRA, VERA. Corresponding author: Maria Eduarda Silva. "Difference Equations for the Higher-Order Moments and Cumulants of the INAR(1) Model". *Journal of Time Series Analysis* 25 3 (2004): 317-333. http://dx.doi.org/10.1111/j.1467-9892.2004.01685.x.<br>10.1111/j.1467-9892.2004.01685.x |
| Preprint | 1 | Maria Eduarda Silva; OLIVEIRA, VERA. "Difference Equations for the Higher Order Moments and Cumulants of the INAR(p) Model.". 2000. |
| | 2 | Maria Eduarda Silva; OLIVEIRA, VERA. "Difference Equations for the Higher Order Moments and Cumulants of the INAR(1) Model.". 2000. |

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| Thesis / Dissertation | 1 | "Modelos Autoregressivos para Sucessões Cronológicas de Contagem: caracterização e modelação.". PhD, Universidade do Porto Faculdade de Ciências, 2000. https://www.fc.up.pt/dcc/contactos/funcionarios.php?tipo=orient&login=mesilva&&lang=pt. |
| | 2 | "Análise e Previsão de Sucessões Cronológicas baseadas em Modelos de Decomposição.". Master, Universidade do Porto Faculdade de Ciências, 1995. https://www.iseg.ulisboa.pt/aquila/homepage/f117/curriculum. |

# Activities

## Event organisation

| | Event name<br>Type of event (Role) | Institution / Organization |
|---|---|---|
| 2022 - 2022 | Member of the Local Scientific and Organizing Committee of the International Building Bridges in STEAM Education in the 21st century - BBC 22 (2022 - 2022)<br>Conference (Member of the Organising Committee) | Instituto Politécnico do Porto, Portugal |
| 2021 - 2021 | Member of the Local Scientific and Organizing Committee of the First International Conference in E-Learning in STEM Education - ESE 2021 (2021/07/07 - 2021/07/07)<br>Conference (Co-organiser) | Instituto Politécnico do Porto, Portugal |
| 2021 - 2021 | Chair at the First International Conference in E-Learning in STEM Education - ESE 2021 (2021 - 2021)<br>Conference | Instituto Politécnico do Porto, Portugal |

## Committee member

| | Activity description<br>Role | Institution / Organization |
|---|---|---|
| 2021 - Current | Membro do Júri Prémio MatDesafio - MatActiva ISCAP<br>Member | Instituto Politécnico do Porto, Portugal |
| 2020 - 2023 | Comissão de Reconhecimento/ Certificação de Competências representante área científica de Matemática<br>Member | Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal |

| | | |
|---|---|---|
| 2015 - 2020 | Member of Advisory Board member at British International School of Cracow (BISC)<br>Member | British International School in Cracow, Poland |
| 2013 - 2020 | Member of Parent Teacher Association (PTA)at British International School of Cracow (BISC)<br>Member | British International School in Cracow, Poland |
| 2007 - 2013 | Membro efetivo do Conselho Científico do ISCAP Politécnico do Porto.<br>Member | Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal |
| 2001 - 2007 | Membro convidado do Conselho Científico do ISCAP Politécnico do Porto. | |
| 2003 - 2005 | Membro efetivo da Assembleia de Representantes do ISCAP.<br>Member | Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal |
| 2001 - 2002 | Membro da Subcomissão de Autoavaliação do ISCAP<br>Member | Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal |

## Consulting

| | Activity description | Institution / Organization |
|---|---|---|
| 2014 - Current | Promoted the Inter-institutional Agreement between the Krakow University of Economics (UEK) and Polytechnic of Porto (ISCAP) . | Uniwersytet Ekonomiczny w Krakowie, Poland<br>Instituto Politécnico do Porto Instituto Superior de Contabilidade e Administração do Porto, Portugal |
| 2013 - 2020 | Promoted traineeship programme between some companies in Poland and Polytechnic of Porto (ISCAP). | Jerónimo Martins, Portugal<br>Philip Morris Polska, Poland |
| 2013 - 2020 | Organized and promoted various cultural events in Krakow as a member of Parent Teacher Association (PTA) and as a member of the international community in Krakow. | British International School in Cracow, Poland |

## Scientific expedition

| | Activity description | Institution / Organization |
|---|---|---|
| 2008 - Current | External scientific examiner of academic manuals | LeYa, Portugal |

## Distinctions

### Other distinction

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|---|---|
| 2026 | Continued Scientific Impact of Research on INAR Models |