



## SIMONE MARIA DE MORAES – EMGLISH VERSION

*Morgana Abranches Bastos<sup>1</sup>*

**Abstract:** Professor Simone Maria de Moraes has a bachelor's degree in mathematics from the Pontifical Catholic University of São Paulo, a master's degree in mathematics from the University of São Paulo, and a PhD in mathematics from the University of Campinas. The professor develops numerous researches, and some of her areas of interest are: Differential Geometry, Theory of Singularity and Topology.

**Keywords:** biography; chemistry; scientist.

### SIMONE MARIA DE MORAES

**Resumo:** A professora Simone Maria de Moraes é bacharela em Matemática pela Pontifícia Universidade Católica de São Paulo, é Mestra em Matemática, pela Universidade de São Paulo, e Doutora em Matemática pela Universidade de Campinas. A professora desenvolve inúmeras pesquisas, e algumas das suas áreas de interesse são: a Geometria Diferencial, Teoria da Singularidade e Topologia.

**Palavras-Chave:** biografia; química; cientista.

### SIMONE MARIA DE MORAES

**Resumen:** La profesora Simone Maria de Moraes tiene una licenciatura en matemáticas de la Pontificia Universidad Católica de São Paulo, una maestría en matemáticas de la Universidad de São Paulo y un doctorado en matemáticas de la Universidad de Campinas. La profesora desarrolla numerosas investigaciones, y algunas de sus áreas de interés son: Geometría Diferencial, Teoría de la Singularidad y Topología.

**Palabras-clave:** biografía; química; científico.

### SIMONE MARIA DE MORAES

**Résumé:** Le professeur Simone Maria de Moraes est titulaire d'un baccalauréat en mathématiques de l'Université pontificale catholique de São Paulo, d'une maîtrise en mathématiques de l'Université de São Paulo et d'un doctorat en mathématiques de

<sup>1</sup> Licenciada em Química pela Universidade Federal de Goiás. Integrante do Coletivo Negro do Instituto de Química CIATA e, também, do Laboratório de Pesquisas em Educação Química e Inclusão (LPEQI). Atualmente é Mestranda em Química na Universidade Federal de Goiás e Chefe de Edições da Revista da ABPN. E-mail: [morganabanches@gmail.com](mailto:morganabanches@gmail.com)

l'Université de Campinas. La professeure développe de nombreuses recherches et certains de ses domaines d'intérêt sont: la géométrie différentielle, la théorie de la singularité et la topologie.

**Mots-clés:** Biographie; chimie; scientifique.

## INTRODUÇÃO

Simone Maria de Moraes was born on October 20, 1968. In addition to her love for Mathematics, Professor Simone loves cooking and being with friends. She also likes art, music, books, films and travel. Her family is her warmth, in addition to the company of her pet kittens, Maya and Penelope, who are her companions.

She joined the Mathematics course, in 1987, at the Pontifical Catholic University of São Paulo (PUC-SP). In 1991, she completed her graduation and joined a specialization course in Mathematics at the University of São Paulo (USP), in which she received an opportunity of a scholarship from CAPES (Coordination for the Improvement of Higher Education Personnel). In 1993, Simone joined the Master's in Mathematics, also at USP, her mentor was Professor Oziride Manzoli Neto and the research continued to be funded by CAPES, concluding it in 1995.

From 1994 to 1995, she taught Introduction to Logic and Differential Calculus classes at the Paula Souza State Technological Education Center (CEETEPS). In 1998, Simone started her PhD at the State University of Campinas (UNICAMP), also as a CAPES fellow, being mentored by Professor Sueli Irene Rodrigues Costa. She completed her PhD in 2002.

From 1996 to 2014, she was a professor at the Federal University of Viçosa (UFV) and worked in several areas: she taught the subjects of Calculus, Linear Algebra, Analytical Geometry. In addition, she was Coordinator of disciplines, a member of the Curricular Chamber of the Agricultural Engineering course and a member of several Commissions.

From 2007 to 2008, Simone did a Post-Doctorate at the University of Valencia, in Spain, which was under CAPES funding.

Currently, Simone is Associate Professor IV at the Federal University of Bahia, where she develops following research pipeline: Geometry Related to Surfaces Immersed



in Codimension; Differential Geometry; and Topological Invariants for Closed Flat Curves, Wave Fronts and Nodes.

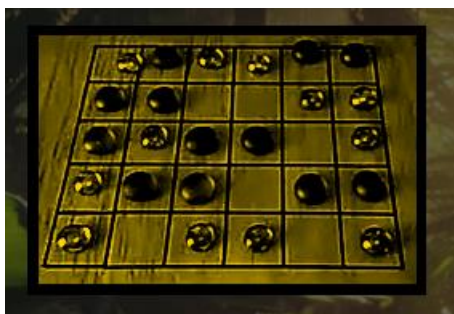
She also developed several research projects on Varieties Immersed in Euclidean Spaces in codimension; the Focal Set of Immersions of Euclidean Varieties in codimension; and the study of the applications of Stable Compact Surface Gauss from the Global point of view. Her current research is on Vassiliev-type Invariants for curves and fronts of plane waves and nodes, Affine Varieties Immersed in Euclidean Spaces in codimension, and Regulated surfaces and developable surfaces, normal application of Gauss and singularities.

As extension projects, she developed, from 2006 to 2014, a qualification in Mathematics Topics for Teachers of Basic Education, and, from 2011 to 2014, she developed the Viçosa Mathematics Olympiad. In addition, since 2016, the teacher develops the Mathematics Olympiad of the State of Bahia - OMEBA and, since 2018, develops the extension project on African Games and Mathematics.

In her African Games and Mathematics Project, we can find the elaboration of games in the context of Law 10.639 / 03 through activities that contribute to the teaching and learning process, promoting the agility of deductive reasoning and that also demonstrate the importance of teaching and learning African culture in mathematics classes, feasible to be associated in interdisciplinary activities.

Some African games developed by Simone and her team are: Bolotoudou from Sudan, Butterfly (Gulugufe) from Mozambique, Choko from Gambia, Dara from Nigeria, Fanorona from Madagascar and many others.

**Figure 1:** Bolotoudou of Sudan



Source: <https://smoraes2000.wixsite.com/simonemoraes/jogos-africanos-e-matematica>

In addition to her practical contribution to the teaching and learning of Mathematics, Professor Simone has a variety of publications, such as articles, complete papers, abstracts, work presentations, participation in master's, doctoral and judging committees on public tenders, as well as the participation and organization of several events. Simone also guides and has guided several students, from scientific initiation to doctorate.

Long live professor Simone!

**Figure 2:** Professor and Scientist Simone



*Source:* Social media.

### **BIBLIOGRAPHIC REFERENCES**

MORAES, Simone Maria de. *Simone Moraes*. Wix.com. Available in: <https://smoraes2000.wixsite.com/simonemoraes> Accessed in: 26/07/2020



\_\_\_\_ Plataforma Lattes. *Currículo Lattes Simone Maria de Moraes*. Available in:  
<<http://lattes.cnpq.br/4620829926174079>> Accessed in: 26/07/2020.

\_\_\_\_ Facebook Profile. *Simone Moraes*.

*Received in 07/15/2020*

*Approved in 15/08/2020*