**Education**

|  |  |  |
| --- | --- | --- |
|  |  |  |
| 2019 — at present | Postdoctoral Research Associate | Oak Ridge National Laboratory, Neutron Scattering Division/USA |
| 2012—2016 | Ph.D. in Science, Physics | Ponta Grossa State University – Brazil / University of Wisconsin Madison - USA |
| 2010—2012 | MSc in Science, Physics | Ponta Grossa State University – Brazil |
|  |  |  |
| 2005—2010 | B.S degree in Physics | Ponta Grossa State University – Brazil |

**Articles Published in Scientific Journals**

1. **Wellington Leite**, Kevin L. Weiss, Gwyndalyn Phillips, Qiu Zhang, Shuo Qian, Susan E. Tsutakawa, Leighton Coates, and Hugh O’ Neill; ***Conformational dynamics in the interaction of SARS-CoV- papain like protease with human interferon-stimulated gene protein*** . Journal of Physical Chemistry Letters, (2021). (currently under review)
2. Mateusz Wilamowski\*, Michal Hammel\*, **Wellington Leite\***, Qiu Zhang, Youngchang Kim, Kevin Weiss, Robert Jedrzejczak, Daniel J. Rosenberg, Yichong Fan, Jan Bierma, Altaf H. Sarker, Susan E. Tsutakawa, Sai Venkatesh Pingali, Hugh M. O’Neill, Andrzej Joachimiak, Greg L. Hura. ***Transient and stabilized complexation of Nsp7, Nsp8 and Nsp12 in the SARS-CoV-2 replication-transcription complex (RTC).*** Biophysical Journal, (2021) - \*Contributed equally (currently under review)
3. Yuan, Yue ; Li, Hui ; **Leite, Wellington** ; Zhang, Qiu ; Bonnesen, Peter V. ; Labbé, Jessy L. ; Weiss, Kevin L. ; Pingali, Sai Venkatesh ; Hong, Kunlun ; Urban, Volker S. ; Salmon, Sonja ; O’ Neill, Hugh . ***Biosynthesis and Characterization of Deuterated Chitosan in Filamentous Fungus and Yeast***. Carbohydrate Polymers, (2021).
4. Pires, L.F. ; **Leite, W.C**. ; Brinatti, A.M. ; Saab, S.C. . ***Radiation Attenuation Properties Based on The Quantification of Soil Components Using the Rietveld Method***. Results in Physics, (2019)
5. **Leite, Wellington C**.; Penteado, Renato F. ; Gomes, Fernando ; Iulek, Jorge ; Etto, Rafael M. ; Saab, Sérgio C. ; Steffens, Maria B. R. ; Galvão, Carolina W. . ***MAW Point Mutation Impairs H. Seropedicae RecA ATP Hydrolysis and DNA Repair Without Inducing Large Conformational Changes in its Structure***. Plos One, (2019)
6. **Leite, Wellington C.**; Galvão, Carolina W.; Saab, Sérgio C.; Iulek, Jorge; Etto, Rafael M.; Steens, Maria B. R.; Chitteni-Pattu, Sindhu ; Stanage, Tyler ; Keck, James L. ; Cox, Michael M. ***Structural and Functional Studies of H. Seropedicae RecA Protein - Insights into the Polymerization of RecA Protein as Nucleoprotein Filament.*** Plos One, (2016)
7. Dias, Nivea M.P.; Gonçalves, Daniele; **Leite, Wellington C**.; Brinatti, André M.; Saab, Sérgio C.; Pires, Luiz F. ***Morphological Characterization of Soil Clay Fraction in Nanometric Scale***. Powder Technology (Print), (2013).
8. Prandel, L.V.; Saab, S.C.; Brinatti, A.M.; Giarola, N.F.B.; **Leite, W.C**.; Cassaro, F.A.M.; ***Mineralogical Analysis of Clays in Hardsetting Soil Horizons, by X-Ray Fluorescence and X-Ray Diffraction Using Rietveld Method***. Radiation Physics and Chemistry (993), V. ,P. -, (2014).
9. **Leite, Wellington Claiton**; Chinelatto, Adriana Scoton Antonio ; Brinatti, André Maurício ; Ribeiro, Mauricio Aparecido ; De Andrade, André Vitor Chaves ; Chinelatto, Adilson Luiz . ***Study of Crystallite Size of Yttria-Stabilized Zirconia Powders by Rietveld Method. Materials Science Forum (Online)***; (2010).
10. Gonçalves, Daniele ; **Leite, Wellington Claiton** ; Brinatti, André Maurício ; Saab, Sérgio Da Costa ; Iarosz, Kelly Cristiane ; Mascarenhas, Yvone Primerano ; Carneiro, Paulo Irajara Borba ; Rosa, Jadir Aparecido . ***Mineralogy of a Red Latosol Under Different Management Systems for Twenty-Four Years***. Revista Brasileira De Ciência Do Solo, (2008)
11. Favoretto, Célia Mara ; Gonçalves, Daniele ; Milori, Débora M. B. P. ; Rosa, Jadir Aparecido ; **Leite, Wellington Claiton** ; Brinatti, André Maurício ; Saab, Sérgio Da Costa . ***Determination of the Humification Degree of Organic Matter of an Oxisol and of its Organo-Mineral Fractions***. Química Nova (Impresso) – (2006)

**Professional Employment**

1. 2017—2018 and 2012—2014; Assistant Professor, Department of Physics, Ponta Grossa State University/Brazil
2. 2015—2016; Assistant Professor, Department of Physics, Federal University of Technology – Parana/Brazil

**Fellowships and Awards**

2021 – Certificate of Recognition/acknowledging the scientific contribution to the U.S. Department

of Energy National Virtual Biotechnology Laboratory Project as part of the DOE COVID-19 Pandemic Response in 2020

2014 – Honorary Fellow Researcher - Department of Biochemistry - University of Wisconsin - Madison – USA

2014 – Science without borders fellowships from Coordination for the Improvement of Higher Personnel Education – Brazil

2006/2009 – Junior Researcher fellowships from National Council for Scientific and Technological Development - Brazil

**Invited Seminars**

1 - Neutron Scattering Technic with Contrast Matching and Contrast Variation Approaches - Institute of Engineering, Science and Technology – Federal University of Vales do Jequinhonha e Mucuri IECT/UFVJM – Brazil

**Conferences**

2020 - American Conference on Neutron Scattering/Talk

2020 - ACA Workshop Highlights Practical Application of Small Angle Seventh International (INSTRUCTOR)

(2010) Latin-American Conference on Power Technology, Brazil/Talk

(2007/2008) National Meeting of the Physics of Condensed Matter, Brazil/Poster

**Technical Reports and Presentations, and orientations**

6 Local Brazilian technical reports

14 South American Talks and Seminars

02 Undergrad researcher projects concluded