

## Lisandra Meneses

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### EDUCATION

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- 9 Sep 2016 – 24<sup>th</sup> Aug 2020  
**Tartu, Estonia** **Doctor of Philosophy in Engineering Sciences, PhD**, Estonian University of Life Sciences  
Biotechnology and Bioenergetics  
**Thesis:** Second-generation bioethanol production: strategies for sidestreams valorisation in a sustainable circular economy
- Sep 2012 – May 2015  
**Azores, Portugal** **Management and Nature Conservation, MSc**, University of the Azores  
Environment, Economy, Geography, Quantitative Methods  
**Thesis:** The preferences of domestic consumers of electricity in Terceira Island. Grade: 16/20
- Nov 2009 – Jul 2012  
**Azores, Portugal** **Renewable Energy, BSc**, University of the Azores  
Engineering, Mathematics, Chemistry, Environment, Physics, Geology, Economics, Microbiology and Law.
- Sep 2006 – July 2009  
**Azores, Portugal** **Secondary School**, Escola Secundária Vitorino Nemésio  
Science and Technology
- Sep 2002 – July 2006  
**Azores, Portugal** **Elementary School**, Escola Básica Integrada dos Biscoitos

### WORK EXPERIENCE

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- June 2021 – Present  
**Sharjah, United Arab Emirates** **Postdoctoral fellow**, (University of Sharjah)
- Feb 2021 – Present  
**Tartu, Estonia** **Researcher**, Estonian University of Life Sciences (part-time)  
Research on second generation biofuel production
- Jan 2021 – May 2021  
**Edmonton, Canada** **Postdoctoral fellow**, (University of Alberta)  
Production of animal feed using methanol and *Methylophilus methylotrophus*
- Sep 2020 – Jan 2021  
**Tartu, Estonia** **Researcher**, Estonian University of Life Sciences (full-time)  
Research on second generation biofuel production
- Mar 2020 – Mar 2020  
**Azores, Portugal** **Visiting Lecturer**, University of the Azores  
Lectures on Second-generation bioethanol production: Strategies for sidestreams valorization
- Nov 2017 – August 2020  
**Tartu, Estonia** **Junior Researcher**, Estonian University of Life Sciences  
Investigation of characteristics of the waste from second and third generation biofuel production
- Sep 2016 – 24<sup>th</sup> Aug  
**Tartu, Estonia** **PhD Student in Engineering Sciences**, Estonian University of Life Sciences  
Investigation of characteristics of the waste from second and third generation biofuel production
- Sep 2019 – Nov 2019  
**Queensland, Australia** **Visiting PhD Student**, University of Southern Queensland  
Re-use of agricultural residues and other organic residues for energy production (biogas) and nutrient recovery using anaerobic digestion
- Feb 2019 – Jun 2019  
**Borås, Sweden** **Visiting PhD Student**, University of Borås  
Experimental work on the integration of filamentous fungi in bioethanol production waste
- July 2018 – Aug 2018  
**Chatham-Kent, Canada** **Visiting PhD Student**, University of Guelph, Ridgetown Campus  
Experimental work on the deconstruction of lignocellulosic biomass using CO<sub>2</sub> pretreatment method
- Jan 2016 – Aug 2016  
**Leitrim, Ireland** **European Voluntary Service**, Good Energies Alliance Ireland (NGO)  
Study about solar energy in Ireland and awareness campaigns on climate change and energy
- Aug 2015 – Dec 2015  
**Tartu, Estonia** **Trainee**, Estonian University of Life Sciences  
Renewable energy research and AUTOCAD course focusing renewable energy/ mechanical components
- Dec 2014 – June 2015  
**Azores, Portugal** **Administrative Aide**, Association for Science and Development of the Azores  
Organization of scientific conferences and workshops, organizational management, accounting, books publishing, consultancy, application for European Funding, customer service
- April 2014 – Nov 2014  
**Azores, Portugal** **Administrative Aide**, Portuguese Association for Regional Development  
Organization of scientific conferences and workshops, organizational management, accounting, books publishing, consultancy, application for European Funding, customer service
- Dec 2014 – June 2015  
**Azores, Portugal** **Administrative Aide**, Association for Science and Development of the Azores  
Organization of scientific conferences and workshops, organizational management, accounting, books publishing, consultancy, application for European Funding, customer service

Mar 2014 – Nov 2014 <b>Azores, Portugal</b>	<b>Administrative Aide</b> , Portuguese Association for Regional Development Organization of scientific conferences and workshops, Organizational Management, Accounting, Books Publishing, Consultancy, Application for European Funding, and Customer service
Feb 2014 – Mar 2014 <b>Huambo, Angola</b>	<b>Technical Director</b> , Engineering Services and Environmental Consulting (SECOA) Responsible for the technical team (distribution of tasks and its supervision) Development and implementation of proposals for public tenders
Jan 2013 – Feb 2014 <b>Azores, Portugal</b>	<b>Administrative Aide</b> , Portuguese Association for Regional Development Organization of scientific conferences and workshops, Organizational Management, Accounting, Books Publishing, Consultancy, Application for European Funding, and Customer service
July 2012 – Aug 2012 <b>Azores, Portugal</b>	<b>Trainee</b> , Electricity of the Azores Research about wind energy in Terceira Island
June 2007 – June 2007 <b>Azores, Portugal</b>	<b>Trainee</b> , Quatro Ribeiras Parish Council Administrative duties
July 2012 – Aug 2012 <b>Azores, Portugal</b>	<b>Trainee, Electricity of the Azores, (Portugal)</b> Research about wind energy in Terceira Island
June 2007 – June 2007 <b>Azores, Portugal</b>	<b>Trainee, Quatro Ribeiras Parish Council, (Portugal)</b> Administrative Aide

## MANAGERIAL AND ADMINISTRATIVE WORK

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2021 – Present	Reviewer for the Journal <i>Universitas Scientiarum</i> ( <b>Colombia</b> )
2021 – Present	Reviewer for the Journal Environmental Science and Pollution Research ( <b>Springer</b> )
2021 – Present	Reviewer for the Journal Bioresource Technology Reports ( <b>Elsevier</b> )
2021 – Present	Reviewer for the Journal ACS Sustainable Chemistry & Engineering ( <b>American Chemical Society, United States</b> )
2021 – Present	Member of the Reviewer Board of the Journal Energies ( <b>MDPI</b> )
2020 – Present	Associate Editor, Journal Agronomy Research ( <b>Estonia</b> )
2020 – Present	Peer reviewer of the Science Fund of the Republic of Serbia ( <b>Serbia</b> )
2020 – Present	Review Editor on the Editorial Board of Circular Economy ( <b>specialty section of Frontiers in Sustainability</b> )
2020 – Present	Member of the International Advisory Committee of the International Conference on Biotechnology for Sustainable Agriculture, Environment and Health ( <b>India</b> )
2020 – Present	Reviewer for the Journal Biomass Conversion and Biorefinery ( <b>Springer Nature</b> )
2020 – Present	Reviewer for the Journal Agronomy ( <b>MDPI</b> )
2020 – Present	Reviewer for the Journal Energies ( <b>MDPI</b> )
2020 – Present	Reviewer for the Journal Processes ( <b>MDPI</b> )
2020 – Present	Reviewer for the Journal Water ( <b>MDPI</b> )
2020 – Present	Reviewer for the Journal Materials ( <b>MDPI</b> )
2018 – Present	Reviewer for the Journal Industrial Crops and Products
2017 – Present	Reviewer for the Journal Agronomy Research ( <b>Estonia</b> )
2017 – Present	Member of the Organizing Committee of Conference Biosystems Engineering ( <b>Estonia</b> )
2020 - 2020	Reviewer for the Journal BioEnergy Research ( <b>Springer Nature</b> )
2018 – 2018	Reviewer for the International Journal of Sustainable Energy
2017 – 2020	Assistant Editor, Journal Agronomy Research ( <b>Estonia</b> )
2015 – 2015	Member of the Organizing Committee of Conference: "Sustainable Growth, Dignified Employment and Businesses" ( <b>Portugal</b> )
2013 – 2015	Member of the Organizing Committee of Congress of Science and Development of the Azores ( <b>Portugal</b> )
2013 – 2014	Member of the Organizing Committee of the Workshop 'The Youth and the Labour Market' ( <b>Portugal</b> )
2013 – 2013	Member of the Scientific Committee of the Workshop 'The Youth and the Labour Market' ( <b>Portugal</b> )
2013 – 2014	Member of the Pedagogic Commission of the master's in Management and Nature Conservation, ( <b>University of the Azores, Portugal</b> )

## HONOURS & AWARDS

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- 2020, **Lisandra Marina Da Rocha Meneses**, Tartu City Awards for Successful and Outstanding Organization of the International Conference on Biosystems Engineering 2019 (Estonia)
- 2020, **Lisandra Marina Da Rocha Meneses**, Recipient of the award L'Oréal Baltic program "Women in Science": 2020 Young Talent for Estonia
- 2020, **Lisandra Marina Da Rocha Meneses**, Congratulation vote from the Parliament of the Azores (approved unanimously) due to the award L'Oréal Baltic program "Women in Science": 2020 Young Talent for Estonia (Portugal)
- 2020, **Lisandra Marina Da Rocha Meneses**, Selected by the Baltic Science Network Mobility Programme for Research Internships to host and supervise a student during 10 weeks (Estonia)

2019, **Lisandra Marina Da Rocha Meneses**, Dora Plus T1.1 Scholarship (Short Study Mobility): Presentation at conference (Estonia)

2019, **Lisandra Marina Da Rocha Meneses**, Dora Plus T1.1 Scholarship (Short Study Mobility): Presentation at conference (Estonia)

2019, **Lisandra Marina Da Rocha Meneses**, Dora Plus T1.2 Postgraduate Mobility Fellowship: long-term study trip (Estonia)

2019, **Lisandra Marina Da Rocha Meneses**, Dora Plus T1.2 Postgraduate Mobility Fellowship: long-term study trip (Estonia)

2019, **Lisandra Marina Da Rocha Meneses**, Scholarship from the ASTRA program "Value Chain-Based Bio-Economy" of the Doctoral School of Energy and Geotechnics to attend a conference (Estonia)

2019, **Lisandra Marina Da Rocha Meneses**, Scholarship from the ASTRA program "Value Chain-Based Bio-Economy" of the Doctoral School of Energy and Geotechnics to attend a student exchange (Estonia)

2019, **Lisandra Marina Da Rocha Meneses**, Scholarship from the ASTRA program "Value Chain-Based Bio-Economy" of the Doctoral School of Energy and Geotechnics to attend a summer school (Estonia)

2019, **Lisandra Marina Da Rocha Meneses**, Scholarship: "Higher education specialization scholarships in clever fields of development 2019/2020", Estonian University of Life Sciences (Estonia)

2018, **Lisandra Marina Da Rocha Meneses**, Scholarship: "Higher education specialization scholarships in clever fields of development 2018", Estonian University of Life Sciences (Estonia)

2018, **Lisandra Marina Da Rocha Meneses**, Dora Plus T1.1 Scholarship (Short Study Mobility): Presentation at conference (Estonia)

2018, **Lisandra Marina Da Rocha Meneses**, Dora Plus T1.2 Postgraduate Mobility Fellowship: long-term study trip (Estonia)

2018, **Lisandra Marina Da Rocha Meneses**, Dora Plus T1.1 Scholarship (Short Study Mobility): PhD Summer School (Estonia)

2018, **Lisandra Marina Da Rocha Meneses**, Dora Plus T1.1 Scholarship (Short Study Mobility): Presentation at conference (Estonia)

2018, **Lisandra Marina Da Rocha Meneses**, Scholarship: "Higher education specialization scholarships in clever fields of development 2018/2019", Estonian University of Life Sciences (Estonia)

2017, **Lisandra Marina Da Rocha Meneses**, Dora Plus T1.1 Scholarship (Short Study Mobility): PhD course (Estonia)

2015, **Lisandra Marina Da Rocha Meneses**, Selected for the project EWA – Empowering young women in entrepreneurship and affairs (Viterbo, Italy)

2005, **Lisandra Marina Da Rocha Meneses**, Selected for the VII Session of Youth Parliament (Azores, Portugal)

## **SUPERVISED DISSERTATIONS**

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Liisi Anete Mark, Bachelor's Thesis in Environmental protection, 2021, (sup) Kaja Orupõld; Lisandra Marina da Rocha Meneses; Thaisa Fernandes Bergamo, Eesti Rannaniitude Biogaasi Potentsiaali Hindamine (Estimation Of Biogas Potential Of Coastal Meadows), Eesti Maaülikool (Estonian University of Life Sciences), Põllumajandus- ja keskkonnainstituut (Institute of Agricultural and Environmental Sciences)

Oghenetejiri Frances Otor, Master's Degree, 2020, (sup) Lisandra Marina Da Rocha Meneses; Timo Kikas; Sergei Bereznev, The potential of sequential bioethanol and biogas production from Nigerian Napier grass: an optimized process flow, Tallinn University of Technology School of Engineering, Department of Materials and Environmental Technology.

Guilherme Atouguia, Bachelor's Diploma, 2018, (sup) Antonio Felix Flores Rodrigues; Lisandra Marina da Rocha Meneses, Anaerobic digestion of samples from different stages of bioethanol production process, University of the Azores (Portugal), Faculty of Agricultural and Environmental Sciences

Anastasiya Ivanova, Master's Diploma, 2018, (sup) Timo Kikas; Lisandra Marina Da Rocha Meneses; Sergei Bereznev, Biogas production potential from biomaterial at different stages of bioethanol production process and its purification, Tallinn University of Technology School of Engineering, Department of Materials and Environmental Technology.

## **PROJECTS IN PROGRESS**

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**RESTAS** "Development and optimization of thermochemical valorization and biorefining technologies for second and third generation biochemical production from lignocellulosic biomass" (1.01.2021–31.08.2023), Timo Kikas, Estonian University of Life Sciences.

**PM180260TIBT (EMÜ Senate Decision 17.12.2020 nr 1-27/40)** "Baseline funding for supporting the activities related to the project "Resource recovery from crop residues via integrating torrefaction with microbial processes to produce bioenergy carriers and biochemicals" (1.01.2021–21.12.2022), Timo Kikas, Estonian University of Life Sciences, Institute of Technology, Chair of Biosystems Engineering.

**P200195TIBT** "Utilization of biowaste in production of value-added products" (1.01.2019–31.12.2022), Timo Kikas, Estonian University of Life Sciences, Institute of Technology.

## **COMPLETED PROJECTS**

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**PM180107TIBT** "Winning proposal of the Innovative Idea award of Estonian University of Life Sciences "Continuous process apparatus for chemical-free pretreatment of lignocellulosic biomass using explosive decompression", Timo Kikas, Estonian University of Life Sciences, Institute of Technology.

**F170096TIPT** "Development of an Integrated Process for Conversion of Biomass to Affordable Liquid Biofuel" (1.04.2017–31.03.2020), Timo Kikas, Estonian University of Life Sciences, Institute of Technology.

**F170042TIPT** "Holistic processes and practices for clean energy in strengthening bioeconomy strategies in Europe and India" (1.04.2017–31.03.2020), Merlin Raud, Estonian University of Life Sciences, Institute of Technology.

## PUBLICATIONS

1. J. Olt, T. Kikas, **L. Meneses** (Ed.) (2021). Olt, J. (toim.); Kikas, T. (toim.); Meneses, L. (toim.). 12th International Conference on Biosystems Engineering 2021. Book of Abstracts. 12th International Conference on Biosystems Engineering 2021. Book of Abstracts. Tartu, Estonia: Estonian University of Life Sciences.
2. **Rocha-Meneses, L.**; Oke, M.; Chae, M.; Bressler, D. C. (2021). Cultivation of single cell protein (*Methylophilus methylotrophus*) for the production of carbon-reducing animal feed. Book of Abstracts: 12th International Conference on Biosystems Engineering 2021: 12th International Conference on Biosystems Engineering 2021, Tartu, 5.05.2021. Ed. Olt, J.; Kikas, T.; Meneses, L. Tartu: Estonian University of Life Sciences, 42.
3. Aghmashhadi, Omid Yazdani; **Rocha-Meneses, Lisandra**; Bonturi, Nemailla; Orupõld, Kaja; Asadpour, Ghasem; Garmaroody, Esmaeil Rasooly; Zabihzadeh, Majid; Kikas, Timo (2021). Effect of Ink and Pretreatment Conditions on Bioethanol and Biomethane Yields from Waste Banknote Paper. *Polymers*, 13 (2). DOI: 10.3390/polym13020239.
4. Aghmashhadi, O. Y.; Asadpour, G.; Garmaroody, E. R.; Zabihzadeh, M.; **Rocha-Meneses, L.**; Kikas, T. (2021). Effect of ink removal on bioethanol yields from waste banknote paper. Book of Abstracts: 12th International Conference on Biosystems Engineering 2021: 12th International Conference on Biosystems Engineering 2021, Tartu, 5.05.2021. Ed. Olt, J.; Kikas, T.; Meneses, L. Tartu: Estonian University of Life Sciences, 30.
5. Balogun, D. A.; Oke, M.; **Rocha-Meneses, L.**; Fawole, O. B.; Omojasola, P. F. (2021). Phosphate solubilization potential of indigenous rhizosphere fungi and shelf-life studies of their biofertilizer formulations. Book of Abstracts: 12th International Conference on Biosystems Engineering 2021: 12th International Conference on Biosystems Engineering 2021, Tartu, 5.05.2021. Ed. Olt, J.; Kikas, T.; Meneses, L. Tartu: Estonian University of Life Sciences, 70.
6. Aghmashhadi, O. Y.; **Rocha-Meneses, L.**; Bonturi, N.; Orupõld, K.; Asadpour, G.; Rasooly Garmaroody, E.; Zabihzadeh, M.; Kikas, T. (2021). Potential of waste banknote paper for bioethanol and biomethane production. Abstract Book: International Conference on Biotechnology for Sustainable Agriculture, Environment and Health (BSAEH – 2021). Ed. Vivekanand; Parameswaran, Binod. Jaipur, Rajasthan, India: The Biotech Research Society, 172–173."
7. Jolayemi, O.; Oke, M.; **Rocha-Meneses, L.**; Omojasola, P. F. (2021). Production of xylitol on undetoxified corn cob hydrolysates by *Pachysolen tannophilus* and *Pichia kudriavzevii*. Book of Abstracts: 12th International Conference on Biosystems Engineering 2021: 12th International Conference on Biosystems Engineering 2021, Tartu, 5.05.2021. Ed. Olt, J.; Kikas, T.; Meneses, L. Tartu: Estonian University of Life Sciences, 37.
8. Rooni, V.; Sjulander, N.; Cristobal-Sarramian, A.; Raud, M.; **Rocha-Meneses, Lisandra**; Kikas, T. (2021). The efficiency of nitrogen explosion pretreatment on common aspen – *Populus tremula*: N2- VS steam explosion. *Energy*, Art No 119741. DOI: 10.1016/j.energy.2020.119741.
9. Raud, Merlin; **Rocha-Meneses, Lisandra**; Lane, Daniel J.; Sippula, Olli; Shurpali, Narasinha J.; Kikas, Timo (2021). Utilization of Barley Straw as Feedstock for the Production of Different Energy Vectors. *Processes*, 9 (4), 726. DOI: 10.3390/pr9040726.
10. Olt, J.; Kikas, T.; **Meneses, L.** (2020). 11th International Conference on Biosystems Engineering 2020. Book of Abstracts. 163.
11. **da Rocha Meneses, Lisandra Marina** (2020). Biocombustíveis podem trazer sustentabilidade ambiental (Biofuels can bring environmental sustainability). . 07.03.2020. *Diário Insular*.
12. **Rocha-Meneses, Lisandra**; Otor, Oghenetejiri Frances; Bonturi, Nemailla; Orupõld, Kaja; Kikas, Timo (2020). Bioenergy Yields from Sequential Bioethanol and Biomethane Production: An Optimized Process Flow. *Sustainability*, 12 (1), 272. DOI: 10.3390/su12010272.
13. **Da Rocha Meneses, Lisandra Marina** (2020). Biokütused, Eesti avastamata kuld (Biofuels, Undiscovered gold in Estonia). <https://sirp.ee/s1-artiklid/c21-teadus/biokutused-eesti-avastamata-kuld/>. 18.09.2020 Sirp.
14. Raud, M.; Orupõld, K.; **Rocha-Meneses, L.**; Rooni, V.; Träss, O.; Kikas, T (2020). Biomass Pretreatment with the Szego Mill™ for Bioethanol and Biogas Production. *Processes*, 8, 1327. DOI: 10.3390/pr8101327.
15. **Rocha-Meneses, Lisandra**; Harris, Peter; Tait, Stephan; Antille, Diogenes L.; Kikas, Timo; McCabe, Bernadette K. (2020). Bioresource recovery in the Australian red meat processing industry: a technical review of strategies for increased circularity. 2020 ASABE Annual International Virtual Meeting, July 13-15, 2020. American Society of Agricultural and Biological Engineers (ASABE), 3–30. DOI: 10.13031/aim.202000690.
16. Botta, G. F.; Antille, D. L.; Bienvenido, F.; Rivero, D.; Avila-Pedraza, E. A.; Contessotto, E. E.; Ghelfi, D. G.; Nistal, A. I.; Pelizzari, F. M.; **Rocha-Meneses, L.**; Canalejo, A. Ezquerro (2020). Effect of cattle trampling and farm machinery traffic on soil compaction of an Entic Haplustoll in a semiarid region of Argentina. Book of Abstracts: 11th International Conference on Biosystems Engineering 2020: 11th International Conference on Biosystems Engineering 2020, Tartu, 6.05.2020. Ed. Olt, J.; Kikas, T.; Meneses, L. Tartu: Estonian University of Life Sciences, 72.

17. Botta, G. F.; Antille, D. L.; Bienvenido, F.; Rivero, D.; Avila-Pedraza, E. A.; Contessotto, E. E.; Ghelfi, D. G.; Nistal, A. I.; Pelizzari, F. M.; **Rocha-Meneses, L.**; Canalejo, A. Ezquerro (2020). Effect of cattle trampling and farm machinery traffic on soil compaction of an Entic Haplustoll in a semiarid region of Argentina. *Agronomy Research*, 18, 1163–1176. DOI: 10.15159/AR.20.063.
18. **Rocha-Meneses, Lisandra**; A. Ferreira, Jorge; Mushtaq, Maryam; Karimi, Sajjad; Orupõld, Kaja; Kikas, Timo (2020). Genetic modification of cereal plants: A strategy to enhance bioethanol yields from agricultural waste. *Industrial Crops and Products*, 150 (C), 112408. DOI: 10.1016/j.indcrop.2020.112408.
19. Nasiri, Elnaz; **Rocha-Meneses, Lisandra**; Kikas, Timo (2020). Implementation of EU biofuels policies at country level: a review. *Book of Abstracts: 11th International Conference on Biosystems Engineering 2020: 11th International Conference on Biosystems Engineering 2020*, Tartu, 6.05.2020. Ed. Olt, J.; Kikas, T.; Meneses, L. Tartu: Estonian University of Life Sciences, 35.
20. **da Rocha Meneses, Lisandra Marina** (2020). Põhk ja hein kütusepaaki – kohalikust toorainest biokütus tagab Eestile energiajulgeoleku? [Straw and hay - biofuel from local raw materials ensures energy security for Estonia?]. 04.08.2020 Maaleht.
21. **Rocha-Meneses, Lisandra**; Orupõld, Kaja; Kikas, Timo (2020). Second-generation bioethanol production: Strategies for sidestreams valorisation. *Book of Abstracts: 11th International Conference on Biosystems Engineering 2020: 11th International Conference on Biosystems Engineering 2020*, Tartu, 6.05.2020. Ed. Olt, J.; Kikas, T.; Meneses, L. Tartu: Estonian University of Life Sciences, 41.
22. **Meneses, Lisandra Marina da Rocha** (2020). Second-generation bioethanol production: strategies for sidestreams valorisation in a sustainable circular economy. (Doktoritöö, Estonian University of Life Sciences). Tartu: Estonian University of Life Sciences.
23. Alesso, C. A.; Cipriotti, P. A.; Masola, M. J.; Carrizo, M. E.; Imhoff, S. C.; **Rocha-Meneses, L.**; Antille, D. L. (2020). Spatial distribution of soil mechanical strength in a controlled traffic farming system as determined by cone index and geostatistical techniques. *Book of Abstracts: 11th International Conference on Biosystems Engineering 2020: 11th International Conference on Biosystems Engineering 2020*, Tartu, 6.05.2020. Ed. Olt, J.; Kikas, T.; Meneses, L. Tartu: Estonian University of Life Sciences, 69."
24. Alesso, C. A.; Cipriotti, P. A.; Masola, M. J.; Carrizo, M. E.; Imhoff, S. C.; **Rocha-Meneses, L.**; Antille, D. L. (2020). Spatial distribution of soil mechanical strength in a controlled traffic farming system as determined by cone index and geostatistical techniques. *Agronomy Research*, 18, 1115–1126. DOI: 10.15159/AR.20.133.
25. **da Rocha Meneses, Lisandra Marina** (2020). Teadlane: Eestil on biokütuste tootmiseks suur potentsiaal (Researcher: Estonia has great potential for the production of biofuels). 28.08.2020. Logistikauudised, AS Äripäev.
26. **da Rocha Meneses, Lisandra Marina** (2020). Terceirense premiada na área da Ciência (People of Terceira awarded in the field of Science). . 19.06.2020. *Diario Insular*.
27. Aghmashhadi, Omid Yazdani; Asadpour, Ghasem; Garmaroody, Esmaeil Rasooly; Zabihzadeh, Majid; **Rocha-Meneses, Lisandra**; Kikas, Timo (2020). The Effect of Deinking Process on Bioethanol Production from Waste Banknote Paper. *Processes*, 8 (12), 1563. DOI: 10.3390/pr8121563.
28. Otor, Oghenetjiri Frances; **Rocha-Meneses, Lisandra**; Kikas, Timo (2020). The potential of sequential bioethanol and biomethane production from Nigerian Napier grass: an optimized process flow. *Book of Abstracts: 11th International Conference on Biosystems Engineering 2020: 11th International Conference on Biosystems Engineering 2020*, Tartu, 6.05.2020. Ed. Olt, J.; Kikas, T.; Meneses, L. Tartu: Estonian University of Life Sciences, 38.
29. Olt, J.; Kikas, T.; **Meneses, L.** (2019). 10th International Conference on Biosystems Engineering 2019. *Book of Abstracts*. 1–207.
30. **Rocha-Meneses, Lisandra**; Ferreira, Jorge A.; Bonturi, Nemailla; Orupõld, Kaja; Kikas, Timo (2019). Enhancing Bioenergy Yields from Sequential Bioethanol and Biomethane Production by Means of Solid–Liquid Separation of the Substrates. *Energies*, 12 (19), 3683. DOI: 10.3390/en12193683.
31. **Rocha-Meneses, Lisandra**; Ferreira, Jorge A.; Karimi, Sajjad; Orupõld, Kaja; Kikas, Timo (2019). Genetic modification of cereal plants: A strategy to enhance bioethanol yields from agricultural waste. *Abstract Book: New Horizons in Biotechnology: New Horizons in Biotechnology*, Thiruvananthapuram, India 20–24.11.2019. Mark Offset Press, 153–154.
32. **Rocha-Meneses, Lisandra**; Raud, Merlin; Orupõld, Kaja; Kikas, Timo (2019). Potential of bioethanol production-waste for methane recovery. *Energy*, 173, 133–139. DOI: 10.1016/j.energy.2019.02.073.
33. **Rocha-Meneses, Lisandra**; Ivanova, Anastasia; Atouguia, Guilherme; Avila, Isaac; Orupõld, Kaja; Kikas, Timo (2019). Potential of bioethanol sidestreams for biomethane production. *Abstract Book: New Horizons in Biotechnology: New Horizons in Biotechnology*, Thiruvananthapuram, India 20–24.11.2019. Mark Offset Press, 231–232.
34. **Rocha-Meneses, Lisandra**; Bergamo, Tháisa Fernandes; Kikas, Timo (2019). Potential of cereal-based agricultural residues available for bioenergy production. *Data in Brief*, 23, 103829. DOI: 10.1016/j.dib.2019.103829.
35. **Rocha-Meneses, L.**; Ivanova, A.; Atouguia, G.; Ávila, I.; Raud, M.; Orupõld, K.; Kikas, T. (2019). The effect of flue gas explosive decompression pretreatment on methane recovery from bioethanol production waste. *Industrial Crops and Products*, 127, 66–72. DOI: 10.1016/j.indcrop.2018.10.057."
36. **Rocha-Meneses, Lisandra**; Silva, Jose Carlos; Cota, Sandra; Kikas, Timo (2019). Thermodynamic, Environmental and Economic Simulation of an Organic Rankine Cycle (ORC) for Waste Heat Recovery: Terceira Island Case Study. *Environmental and Climate Technologies*, 23 (2), 347–365. DOI: 10.2478/rtuct-2019-0073.
37. Raud, Merlin; **Meneses, Lisandra**; Kikas, Timo; Lane, Daniel, J.; Sippula, Olli; Shurpali, Narasinha (2019). Utilization of waste biomass from second generation biofuel production process. *Abstract Book: New Horizons in Biotechnology: New Horizons in Biotechnology*, Thiruvananthapuram, India 20–24.11.2019. Mark Offset Press, 150.
38. Olt, J.; Kikas, T.; **Meneses, L.** (2018). 9th International Conference on Biosystems Engineering 2018. *Book of Abstracts*.
39. **Rocha-Meneses, Lisandra**; Orupõld, Kaja; Kikas, Timo (2018). Potential of bioethanol production waste for methane recovery. *Renewable and Sustainable Energy Developments Beyond 2030. Proceedings of the 11th International Conference on Sustainable Energy Environmental Protection*, 1, 365–368.

40. Olt, J.; Kikas, T.; **Meneses, L.** (2017). 8th International Conference on Biosystems Engineering 2017. Book of Abstracts. Tartu: Eesti Maaülikool.
41. **Rocha-Meneses, Lisandra**; Raud, Merlin; Orupõld, Kaja; Kikas, Timo (2017). Second-generation bioethanol production: A review of strategies for waste valorisation. *Agronomy Research*, 15 (3), 830–847.
42. **Meneses, Lisandra Marina** (2016). Solar Energy in Ireland – A Position Paper. *British Journal of Applied Science Technology*, 18 (3), 1–16.
43. **Meneses, Lisandra Marina da Rocha** (2015). The preferences of domestic consumers of electricity in Terceira Island (As preferências dos consumidores domésticos de eletricidade na ilha Terceira). (Magistritöö, University of the Azores). Universidade dos Açores, 2014.
44. Rodrigues, Ana; **Meneses, Lisandra Marina da Rocha**; Madureira, Livia; Dentinho, Tomaz (2013). Choice Modelling Applied to Wind Power Development and Implementation. Book of proceedings: 19th APDR Congress - Place-Based Policies and Economic Recovery, Braga, 20-21.06.2013. Associação Portuguesa para o Desenvolvimento Regional, 1187–1199.
45. **da Rocha Meneses, Lisandra Marina** (2013). Criação de uma empresa deve ser bem ponderada (Establishing a company must be well thought out). 20.12.2013. *Diário Insular*.
46. **Meneses, Lisandra Marina da Rocha**; Pereira, Alice; Cota, Sandra; Rodrigues, Félix (2013). Evaluation of atmospheric ozone in Angra do Heroísmo – Terceira Island – Azores - Portugal - direct solar radiation and zenith solar radiation: case study (Avaliação do ozono atmosférico em Angra do Heroísmo - Terceira-Açores-Portugal por radiação solar directa e radiação solar zenital: um estudo de caso). Book of proceedings: First Congress of Science and Development of the Azores, Angra do Heroísmo, 26-27.07.2013. Angra do Heroísmo: Associação para a Ciência e Desenvolvimento dos Açores, 185–192.
47. **Meneses, Lisandra** (2005). VII Sessão Plenário Jovem “Constituição Europeia e as Regiões Ultraperiféricas” (VII Youth Parliament “European Constitution and the Outermost Regions”). (1–137). Assembleia Legislativa da Região Autónoma dos Açores (Legislative Assembly of the Autonomous Region of the Azores).

## TEACHING EXPERIENCE

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2017/2018 (Spring term)	TE.0977 Biomass to Biofuels and Biogas (6 ECTS)
2019/2020 (Autumn term)	TE.0977 Biomass to Biofuels and Biogas (6 ECTS)
2020/2021 (Autumn term)	TE.0977 Biomass to Biofuels and Biogas (6 ECTS)

## TRAINING AND COURSES

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Jan 2021	Workplace Hazardous Material Information System, University of Alberta ( <b>Canada</b> )
Jan 2021	Supervisory Environment, Health, and Safety Professional Development, University of Alberta ( <b>Canada</b> )
Jan 2021	Concepts in Biosafety 2021, University of Alberta ( <b>Canada</b> )
Jan 2021	Lab & Chemical Safety 2021, University of Alberta ( <b>Canada</b> )
Jan 2021	Hazardous Waste Management, University of Alberta ( <b>Canada</b> )
July 2020	Getting your journal indexed and increase its impact and visibility, BrighTALK ( <b>USA</b> )
June 2020	PhD course: Circular Bioeconomy, Aarhus University ( <b>Denmark</b> )
April 2020	Achieving Sustainable Development (Trinity College Dublin, through Future Learn, e-learning, 16 hours)
June 2019	2nd PhD summer school and executive training on solid waste management, National Technical University of Athens ( <b>Greece</b> )
Nov 2018	Intercultural workshop, Estonian University of Life Sciences ( <b>Estonia</b> )
Sept 2018	Summer School Zelcor "Zero waste biorefineries: Technical advances and sustainability assessment", Wageningen University & Research ( <b>Netherlands</b> )
July 2018	Worker Health and Safety Awareness Training (e-learning), University of Guelph ( <b>Canada</b> )
July 2018	Laboratory Safety - Summer 2018 (e-learning), University of Guelph ( <b>Canada</b> )
July 2018	Workplace Hazardous Materials Information System (e-learning), University of Guelph ( <b>Canada</b> )
Nov 2017	Wood Biology and Biotechnology, PhD course, Umeå University ( <b>Sweden</b> )
Aug 2017	Biogas, Capacity building programme in renewable energy, United Nations Industrial Development Organization
June 2017	Introduction to Environmental Governance e-learning, 3 hours, United Nations Institute for Training and Research
Nov 2016	International Timber Harvesting, Msc course, University of Helsinki ( <b>Finland</b> )
June 2016	A Review of Hybrid Renewable/Alternative Energy Systems for Electric Power Generation e-learning, The Institute of Electrical and Electronics Engineers ( <b>USA</b> )
June 2016	Reducing Emissions from Deforestation and Forest Degradation (REDD+ e-Academy), Capacity building programme in renewable energy, United Nations Institute for Training and Research
June 2016	Energy and Climate Change, Capacity building programme in renewable energy, United Nations Industrial Development Organization
May 2016	Photovoltaic Solar Energy, Capacity building programme in renewable energy, United Nations Industrial Development Organization
May 2016	Solar Thermal Energy, Capacity building programme in renewable energy, United Nations Industrial Development Organization
Oct 2015	Welcoming program's research module, Estonian Research Council ( <b>Estonia</b> )
Aug 2015	Estonian Intensive Language Course, Estonian University of Life Sciences ( <b>Estonia</b> )
Apr 2015	Professional certification - Pedagogical Skills of TRAINER / EDUCATOR, 90 Hours, Competir Açores - Formação e Serviços ( <b>Portugal</b> )

Sept 2014	Accounting - ELEVATION Business Suite e-learning, 17 Hours, Primavera Business Software Solutions SA <b>(Portugal)</b>
Sept 2013	Advanced Methods in Regional Analysis, ERASMUS course, Aberystwyth University <b>(Wales, UK)</b>
Dec 2012	Professional Training Course in Environmental Management, Learn4u Consultoria Lda <b>(Portugal)</b>
Aug 2007	Environmental Education Training Action, Municipal Enterprise Praia Ambiente <b>(Portugal)</b>
June 2020	PhD course: circular bioeconomy (Aarhus University, <b>Denmark</b> )
April 2020	Achieving Sustainable Development (e-learning) ( <b>Trinity College Dublin, through Future Learn</b> ) <b>(UK)</b>
June 2019	2nd PhD summer school and executive training on solid waste management, (Heraklion, <b>Greece</b> )
Sept 2018	Zero waste biorefineries: Technical advances and sustainability assessment” Wageningen University <b>(Netherlands)</b>
July 2018	Worker Health and Safety Awareness Training (online module), University of Guelph <b>(Canada)</b>
July 2018	Laboratory Safety - Summer 2018 (online module), University of Guelph <b>(Canada)</b>
July 2018	Workplace Hazardous Materials Information System (online module), University of Guelph <b>(Canada)</b>
Nov 2017	Wood Biology and Biotechnology, PhD course, Umeå University <b>(Sweden)</b>
June 2017	Introduction to Environmental Governance e-learning, 3 hours, United Nations Institute for Training and Research
Nov 2016	International Timber Harvesting, Msc course, University of Helsinki <b>(Finland)</b>
June 2016	A Review of Hybrid Renewable/Alternative Energy Systems for Electric Power Generation e-learning, The Institute of Electrical and Electronics Engineers <b>(USA)</b>
Aug 2015	Estonian Intensive Language Course, Estonian University of Life Sciences <b>(Estonia)</b>
Apr 2015	Professional certification - Pedagogical Skills of TRAINER / EDUCATOR, 90 Hours, Competir Açores - Formação e Serviços <b>(Portugal)</b>
Sept 2014	Accounting - ELEVATION Business Suite e-learning, 17 Hours, Primavera Business Software Solutions SA <b>(Portugal)</b>
Sept 2013	Advanced Methods in Regional Analysis, ERASMUS course, Aberystwyth University <b>(Wales, UK)</b>
Dec 2012	Professional Training Course in Environmental Management, Learn4u Consultoria Lda <b>(Portugal)</b>
Aug 2007	Environmental Education Training Action, Municipal Enterprise Praia Ambiente <b>(Portugal)</b>

## **SKILSS**

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Lignocellulosic biomass, anaerobic digestion, biofuel, bioethanol, biomethanol, biomethane, biomass pretreatment, zero-waste, second and third generation biofuel production, bioenergetics, biotechnology, environment, nature conservation, renewable energy,