



Leandro Augusto Gomes

Leandro Augusto Gomes. Completed the Bachelor in Energy Engineering in 2017 at the Rio Grande do Sul State University (Brasil). Completed 2022 the Bioenergy Ph.D. program at NOVA University of Lisbon (Portugal). Is a Ph.D. Research Fellow at NOVA University of Lisbon at the Department of Biomass Science and Technology, collaborating with Portalegre Polytechnique Institute. Works in Energy and Technology with an emphasis on Energy Engineering, emphasizing Bioenergy, Bioproducts, and Biofuels. Currently collaborate in CNR ITAE, in Messina, in projects involving water electrolysis and hydrogen production.

Identification

Personal identification

Full name
Leandro Augusto Gomes

Gender
Male

Birth date
1989/05/21

Citation names

Gomes, Leandro

Author identifiers

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0010-9C5B-A816

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910364607 (Personal)

Knowledge fields

Engineering and Technology - Environmental Engineering - Petroleum Engineering, Energy and Fuels
Engineering and Technology - Environmental Biotechnology - Bioremediation
Engineering and Technology - Other Engineering and Technologies

Languages

| Language | Speaking | Reading | Writing | Listening | Peer-review |
|-------------------------------|-----------------|-------------------|-------------------------|-------------------|-----------------|
| Portuguese (Mother tongue) | | | | | |
| English | Advanced (C1) | Advanced (C1) | Upper intermediate (B2) | Advanced (C1) | Advanced (C1) |
| Italian | Elementary (A2) | Intermediate (B1) | Beginner (A1) | Intermediate (B1) | Elementary (A2) |

Education

| | Degree | Classification |
|--------------------------------------|--|----------------|
| 2018/04/23 - 2022/12/14 Concluded | Bioenergy (Doutoramento) Universidade Nova de Lisboa Departamento de Ciências e Tecnologia da Biomassa, Portugal <i>"Production of Arundo donax and Panicum virgatum in Heavy Metals contaminated soils"</i> (THESIS/DISSERTATION) | |
| 2019/08 - 2019/10 Concluded | Erasmus+ Traineeship (Outros) Major in Agronomy - Energy Crops Università degli Studi di Catania, Italy | |
| 2013/08/04 - 2017/07/28 Concluded | Energy Engineering (Bachelor) Universidade Estadual do Rio Grande do Sul, Brazil <i>"Avaliação da curva de fluidização em leitos polidispersos formados por uma mistura de biomassa e areia"</i> (Evaluation of the fluidization curve in polydisperse beds formed by a mixture of biomass and sand) " (THESIS/DISSERTATION) | |

Affiliation

Science

| | Category Host institution/organization | Employer |
|----------------------|---|--|
| 2023/04/15 - Current | Postdoc (Research) | Istituto di tecnologie avanzate per l'energia "Nicola Giordano" (ITAE) Consiglio Nazionale delle Ricerca (CNR), Italy |

Other Careers

| | Category Host institution/organization | Employer |
|-------------------------|--|--|
| 2016/01/15 - 2017/01/14 | Assistente Operacional (Assistente Operacional) | AES Sul, Brazil |
| 2015/06/01 - 2016/01/14 | Assistente Técnico (Assistente Técnico) | Agência Estadual de Regulação dos Serviços Públicos Delegados - RS, AGERGS, Brazil |
| 2015/01/04 - 2015/03/16 | Assistente Operacional (Assistente Operacional) University of Moratuwa, Sri Lanka | AIESEC Moratuwa, Sri Lanka |
| 2014/03/04 - 2014/08/04 | Encarregado Operacional (Assistente Operacional) Universidade Comunitária da Região de Chapecó, Brazil | AIESEC Chapecó, Brazil |
| 2013/12/20 - 2014/02/28 | Assistente Operacional (Assistente Operacional) The University of Lahore Lahore Business School, Pakistan | AIESEC Lahore, Pakistan |
| 2010/03/03 - 2011/12/10 | Assistente Operacional (Assistente Operacional) | Radcontrol Física Médica, Brazil |

Others

| | Category Host institution/organization | Employer |
|-------------------------|---|--|
| 2017/12/04 - 2022/12/14 | PhD Research Fellow Universidade Nova de Lisboa Departamento de Ciências e Tecnologia da Biomassa, Portugal | Universidade Nova de Lisboa Departamento de Ciências e Tecnologia da Biomassa, Portugal |

Projects

Grant

| Designation | Funders |
|-------------|---------|
|-------------|---------|

| | | |
|-------------------------|--|---|
| 2021/10/01 - Current | LARGE-SCALE LOW-TEMPERATURE ELECTROCHEMICAL CO2 CONVERSION TO SUSTAINABLE LIQUID FUELS 101037389 Istituto di tecnologie avanzate per l'energia "Nicola Giordano" (ITAE) Consiglio Nazionale delle Ricerca (CNR), Italy | European Commission, Belgium |
| 2017/09/24 - 2022/06/30 | Marginal lands for Growing Industrial Crops: Turning a burden into an opportunity info:eu-repo/grantAgreement/EC/H2020/727698/EU Research Fellow | European Commission, Belgium Concluded |

Outputs

Publications

| | | |
|---------------------|---|---|
| Book chapter | 1 | L. A. Gomes; J. Costa; B. Cumbane; M. Abias; J. R. A. Pires; V. G. L. Souza; F. Santos; A. L. Fernando. "Combating Climate Change with Phytoremediation. Is It Possible?". 2023. 10.1007/978-3-031-26849-6_52 |
| | 2 | Fernando, A. L.; Barbosa, B.; Gomes, Leandro; Costa, J.; Papazoglou, E.G.. "Giant reed(Arundo donax L.)—A multi-purpose cropbridging phytoremediation withsustainable bioeconomy". In <i>Bioremediation and Bioeconomy A Circular Economy Approach</i> , edited by Majeti Narasimha Vara Prasad, 119-144. 2023. Published |
| | 3 | Gomes, Leandro Augusto; Costa, Jorge; Santos, Fernando; Fernando, Ana Luísa. "Environmental and Socio-economic Impact Assessment of the Switchgrass Production in Heavy Metals Contaminated Soils". In <i>Lecture Notes in Mechanical Engineering</i> , 410-419. Springer International Publishing, 2021. 10.1007/978-3-030-79165-0_38 |
| Conference abstract | 1 | Gomes, Leandro; Costa, Jorge; Santos, Fernando Almeida; Fernando, Ana Luisa. "Phytoremediation potential of Arundo donax in soils contaminated with heavy metals". Paper presented in <i>4th International Caparica Conference on Pollutant Toxic Ions and Molecules, Caparica</i> , 2021. |
| | 2 | Gomes, Leandro; Costa, Jorge; Santos, Fernando Almeida; Zanetti, Federica; Monti, Andrea; Fernando, Ana Luisa. "The potential of oilseed crops in soils contaminated with heavy metals". Paper presented in <i>32nd ANNUAL MEETING AAIC, Bologna</i> , 2021. |
| | 3 | Gomes, Leandro; Costa, Jorge; Santos, Fernando Almeida; Zanetti, Federica; Monti, Andrea; Fernando, Ana Luisa. "Arundo donax and Panicum virgatum cultivation potential in soils contaminated with heavy metals". Paper presented in <i>32nd ANNUAL MEETING AAIC, Bologna</i> , 2021. |

- 4 Costa, Jorge; Gomes, Leandro; Abias, Marcelo; Germana, Francesco; Cumbane, Berta; Zanetti, Federica; Monti, Andrea; Fernando, Ana Luisa.
"Phytoremediation potential of oilseed crops for heavy metals contaminated soils". Paper presented in *29th EUBCE - European biomass conference and exhibition, Marseille, 2021*.
- 5 Sgorla, Vitória; Gomes, Leandro; Brasil, Louise Marianne de Matos; Mem de Sá, Matheus Villares; Auler, Angenor; Simões, Fabiano; Santos, Fernando Almeida.
"Caracterização e avaliação dos resíduos da produção de sucos de maçã produzidas no estado do Rio Grande do Sul para processos de biorrefinaria". Paper presented in *XXIV Mostra Unisinos de Iniciação Científica e Tecnológica, São Leopoldo, 2017*.
- 6 Gomes, Leandro; Sgorla, Vitória; Brasil, Louise Marianne de Matos; Mem de Sá, Matheus Villares; Auler, Angenor; Zinani, Flávia; Santos, Fernando Almeida.
"Caracterização das curvas de fluidização em leitos polidispersos formados por uma mistura binária de biomassas". Paper presented in *XXIV Mostra Unisinos de Iniciação Científica e Tecnológica, São Leopoldo, 2017*.
Published
- 7 Mem de Sá, Matheus Villares; RAYE, Fernanda; Auler, Angenor; Gomes, Leandro; Santos, Fernando Almeida. "Avaliação do potencial energético da palha de arroz cultivada no Rio Grande do Sul". Paper presented in *VI SIEPEX - Salão Integrado de Ensino, Pesquisa e Extensão, Bagé, 2016*.
Published
- 8 Queiroz, Taiane Nunes de; Leon, Sabrina Diogo de; Machado, Grazielle Dias; Gomes, Leandro; Santos, Fernando Almeida. "Caracterização e avaliação preliminar do bagaço de cana-de-açúcar cultivado no Rio Grande do Sul". Paper presented in *VI SIEPEX - Salão Integrado de pesquisa, ensino e extensão, Bagé, 2016*.
Published
- 9 Sgorla, Vitória; Gomes, Leandro; Queiroz, Taiane Nunes de; Leon, Sabrina Diogo de; Santos, Fernando Almeida. "Avaliação preliminar do potencial químico e energético do pseudocaule da bananeira para processos de biorrefinaria". Paper presented in *VI SIEPEX - Salão integrado de pesquisa, ensino e extensão, Bagé, 2016*.
- 10 Gomes, Leandro; Auler, Angenor; Vilares, Matheus; Farias, Douglas José; Santos, Fernando Almeida. "Avaliação do potencial dos resíduos gerados no setor vinícola do Rio Grande do Sul para processos de biorrefinaria". Paper presented in *VI SIEPEX - Salão integrado de ensino, pesquisa e extensão, Bagé, 2016*.
Published
- 11 Gomes, Leandro; Sgorla, Vitória; Mem de Sá, Matheus Villares; Auler, Angenor; Eichler, Paulo; Santos, Fernando Almeida. "Caracterização e Avaliação do Potencial do Pseudocaule da Bananeira para Processos de Biorrefinarias". Paper presented in *I CIBIO - Congresso Internacional de Biomassa, Curitiba, 2016*.
Published
- 12 Gomes, Leandro; Gasparin, Fabiano Perin. "Análise de casos para amortização de financiamento de um sistema fotovoltaico conectado a rede". Paper presented in *Congresso Brasileiro de Energia Solar - CEBENS, Belo Horizonte, 2016*.
Published

- Conference paper
- 1 Pastore, M; Pires, J; Gomes, Leandro; Souza, V.G.L.; Zegada-Lizarazu, W; Monti, Andrea; Fernando, Ana Luisa. "Enhancing the Value of Lignocellulosic Biomasses through the Production of Bionanocomposites". Paper presented in *31th EUBCE - European biomass conference and exhibition, Bologna, 2023*.
Published
 - 2 Martins, M; Pires, J; Gomes, Leandro; Moreira, J; Amaro, C; Castello, R; Alessandro, F; et al. "Thermochemical Potential of Tall Wheatgrass Cultivated in Heavy Metal Contaminated Soils". Paper presented in *31th EUBCE - European biomass conference and exhibition, Bologna, 2023*.
 - 3 Gomes, Leandro; Costa, Jorge; Nobre, Catarina; Paulo Brito; Fernando, Ana Luisa. "Valorization potential for energy of Arundo donax biomass cultivated in heavy metal contaminated soils". Paper presented in *7 ° CEBC 2023, Graz, 2023*.
Published
 - 4 Vidoeira, Catarina; Costa, Jorge; Gomes, Leandro; Cumbane, Berta; Zanetti, Federica; Monti, Andrea; Fernando, Ana Luisa. "Integrating the Reuse of Contaminated Effluents with oil Crops Production - Hints on How Economic Growth Can be Decoupled from Resource Use". Paper presented in *30th European Biomass Conference and Exhibition, 2022*.
Published
 - 5 Gomes, Leandro; Costa, Jorge; Moreira, Joana; Mendes Benilde; Fernando, Ana Luisa. "Thermochemical Potential of Low ILUC Risk Grasses: the Case Study of Giant Reed Cultivated in Heavy Metal Contaminated Soils". Paper presented in *30th European Biomass Conference and Exhibition, 2022*.
Published
 - 6 Ventura, Marcia; Gomes, Leandro; João Pires; João Pinheiro; Barbara Rachele Ciamarella; Costa, Jorge; Giorgio Testa; et al. "Anaerobic Co-Digestion of Residual Liquors from Lignocellulosic Biomass Fractionation with a Synthetic Food Waste for Biogas Production". Paper presented in *30th European Biomass Conference and Exhibition, 2022*.
Published
 - 7 João Pires; Gomes, Leandro; João Pinheiro; Ventura, Marcia; Barbara Rachele Ciamarella; Costa, Jorge; Giorgio Testa; et al. "Characterization of Residual Liquors from Lignocellulosic Biomass Fractionation and its Exploitation for Biomass Production - Closing the Loop and Contributing to the Circular Economy". Paper presented in *30th European Biomass Conference and Exhibition, 2022*.
Published
 - 8 Gomes, Leandro; Costa, Jorge; Santos, Fernando Almeida; Fernando, Ana Luisa. "Environmental and Socio-Economic Impact Assessment of the Switchgrass Production in Heavy Metals Contam-inated Soils". Paper presented in *International Conference on Innovation and Engineering (ICIE 2021), Guimarães, 2021*.
 - 9 Gomes, Leandro; Costa, Jorge; Santos, Fernando Almeida; Fernando, Ana Luisa. "Arundo donax L. Cultivation potential in soils contaminated with heavy metals". Paper presented in *29th EUBCE - European biomass conference and exhibition, 2021*.
 - 10 Cumbane, Berta; Gomes, Leandro; Costa, Jorge; Costa, Ines; Fernando, Ana Luisa. "Production potential of hibiscus Cannabinus L. In marginal lands of tropical regions". Paper presented in *29th EUBCE - European biomass conference and exhibition, 2021*.

- 11 Costa, Jorge; Gomes, Leandro; Abias, Marcelo; Monti, Andrea; Fernando, Ana Luisa. "Production of oil crops for bioenergy under heavy metal contaminated soils". Paper presented in *29th EUBCE - European biomass conference and exhibition*, 2020.
Published
 - 12 Gomes, Leandro; Costa, Jorge; Barbosa, Bruno; Santos, Fernando Almeida; Fernando, Ana Luisa. "Is it faisable to produce energy crops in heavy metals contaminated soils?". Paper presented in *27th EUBCE - European biomass conference and exhibition, Lisbon*, 2019.
Published
 - 13 Gomes, Leandro; Costa, Jorge; Barbosa, Bruno; Santos, Fernando Almeida; Fernando, Ana Luisa. "Can industrial crops be produced in heavy metals contaminated soils?". Paper presented in *30th Annual Meeting of AAIC, London*, 2018.
Published
 - 14 Gomes, Leandro; Santos, Fernando Almeida; Fernando, Ana Luisa. "A toolbox to tackle the technological and environmental constraints associated with the use of biomass for energy from marginal land". Paper presented in *ECOS 2018 - 31st International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems, Guimarães*, 2018.
Published
-
- | | |
|-------------------|--|
| Conference poster | <ol style="list-style-type: none"> 1 Cumbane, Berta; Gomes, Leandro; Ciaramella, Rachele; Costa, Jorge; Zanetti, Federica; Monti, Andrea; Fernando, Ana Luisa. "Phytoremediation potential of Kenaf in soils contaminated with heavy metals". Paper presented in <i>4th International Caparica Conference on Pollutant Toxic Ions and Molecules</i>, 2021. 2 Moreira, Joana; Gomes, B; Gomes, Leandro; Abias, Marcelo; Costa, Jorge; Zanetti, Federica; Monti, Andrea; Fernando, Ana Luisa. "Phytoremediation potential of oilseed crops in soils contaminated with heavy metals". Paper presented in <i>4th International Caparica Conference on Pollutant Toxic Ions and Molecules</i>, 2021. 3 Gomes, Leandro; Costa, Jorge; Santos, Fernando Almeida; Zanetti, Federica; Monti, Andrea; Fernando, Ana Luisa. "Switchgrass Cultivation Potential in Soils Contaminated with Heavy Metals". Paper presented in <i>e-EUBCE - 28th European Biomass Conference & Exhibition</i>, 2020. 4 Valpadrinhos, Beatriz; Gomes, Leandro; Costa, Jorge; Rodrigues, Carolina; Gonçalves, Maria Margarida; Fernando, Ana Luisa. "Combining Camelina Sativa Production with Phytodepuration of Contaminated Effluents Obtained in Hydrothermal Carbonization Processes - An Opportunistic Approach". Paper presented in <i>e-EUBCE - 28th European Biomass Conference & Exhibition</i>, 2020. 5 Cumbane, Berta; Gomes, Leandro; Costa, Jorge; Rodrigues, Carolina; Zanetti, Federica; Monti, Andrea; Alexoupoulou, Efi; Fernando, Ana Luisa. "Comparing the Growth and Yield of Kenaf (<i>Hibiscus Cannabinus</i> L.) Produced in Two Different Climatic Types in Soils Contaminated by Zinc, Copper, Chromium and Lead". Paper presented in <i>e-EUBCE - 28th European Biomass Conference &</i> |
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Exhibition, 2020.

- 6 Costa, Jorge; Gomes, Leandro; Graça, Carina; Ferreira, Miguel; Germana, Francesco; Abias, Marcelo; Pires, João; et al. "Production of oil crops under heavy metals contaminated soil". Paper presented in *5th WASTES: Solutions, treatments and opportunities*, 2019.
- 7 Cumbane, Berta; Gomes, Leandro; Costa, Jorge; Cunha, José; Araújo, Hugo; Pires, João; Rodrigues, Carolina; et al. "Understanding the potential of Kenaf in heavy metals contaminated soils". Paper presented in *5th WASTES: Solutions, treatments and opportunities*, 2019.
- 8 Cumbane, Berta; Gomes, Leandro; Costa, Jorge; Cunha, José; Pires, João; Rodrigues, Carolina; Wang, Y.-F; Fernando, Ana Luisa. "Performance of three cultivars of Kenaf (*hibiscus cannabinus* L.) in zinc and chromium contaminated soils". Paper presented in *5th WASTES: Solutions, treatments and opportunities*, 2019.
- 9 Graça, Carina; Costa, Jorge; Gomes, Leandro; Germana, Francesco; Ferreira, Miguel; Abias, Marcelo; Pires, João; et al. "Production of two *Camelina sativa* varieties under Zn/Pb contaminated soils". Paper presented in *27th EUBCE - European biomass conference and exhibition*, 2019.
- 10 Ferreira, Miguel; Costa, Jorge; Gomes, Leandro; Graça, Carina; Germana, Francesco; Abias, Marcelo; Pires, João; et al. "Production of oil crops under Zn/Pb contaminated soils". Paper presented in *27th EUBCE - European biomass conference and exhibition*, 2019.
- 11 Vidoeira, Catarina; Costa, Jorge; Gomes, Leandro; Graça, Carina; Ferreira, Miguel; Rodrigues, Carolina; Zanetti, Federica; Monti, Andrea; Fernando, Ana Luisa. "Depuration of heavy metals contaminated wastewaters with oil crops". Paper presented in *27th EUBCE - European biomass conference and exhibition*, 2019.
- 12 Valpadrinhos, Beatriz; Costa, Jorge; Gomes, Leandro; Gonçalves, Maria Margarida; Fernando, Ana Luisa. "Phytodepuration of hydrothermal carbonization effluents by *Camelina sativa*". Paper presented in *27th EUBCE - European biomass conference and exhibition*, 2019.
- 13 Abias, Marcelo; Costa, Jorge; Gomes, Leandro; Ferreira, Miguel; Graça, Carina; Germana, Francesco; Pires, João; et al. "Production of winter and spring varieties of *Camelina sativa* under Ni/Cd contaminated soils". Paper presented in *27th EUBCE - European biomass conference and exhibition*, 2019.
- 14 Germana, Francesco; Costa, Jorge; Gomes, Leandro; Graça, Carina; Ferreira, Miguel; Abias, Marcelo; Pires, João; et al. "Production of oil crops under Ni/Cd contaminated soils". Paper presented in *27th EUBCE - European biomass conference and exhibition*, 2019.

- 15 Gomes, Leandro; Cumbane, Berta; Costa, Jorge; Pires, João; Rodrigues, Carolina; Santos, Fernando Almeida; Zanetti, Federica; Monti, Andrea; Fernando, Ana Luisa. "Phytoremediation potential of the perennial crops Giant reed and Switchgrass to soils contaminated with heavy metals". Paper presented in *27th EUBCE - European biomass conference and exhibition*, 2019.
- 16 Cumbane, Berta; Gomes, Leandro; Costa, Jorge; Pires, João; Fernando, Ana Luisa. "Understanding the potential of energy crops in heavy metals contaminated soils". Paper presented in *13th Global summit and expo in biomass and bioenergy*, 2018.
- 17 Auler, Angenor; Gomes, Leandro; Sgorla, Vitória; Mainardi, Hártur; Zanini, Flávia; Santos, Fernando Almeida. "Characterizations of Fluidization Curves in Polypersperse Layers Formed by a Binary Mixture of Coconut Shell and Sand". Paper presented in *II CIBIO - Congresso Internacional Biomassa*, 2017.
- 18 Auler, Angenor; Gomes, Leandro; Sgorla, Vitória; Mem de Sá, Matheus Villares. "Energetic Perspectives for Sugar Cane in Brazil.". Paper presented in *II CIBIO - Congresso Internacional de Biomassa*, 2017.
- 19 Barbosa, Bruno; Gomes, Leandro; Santos, Fernando Almeida; Fernando, Ana Luisa. "Environmental and socio-economic impact assessment of the Arundo donax L. production in Zn contaminated soils". Paper presented in *II CIBIO - Conferencia Internacional de Biomassa*, 2017.

Journal article

- 1 Santa Margarida Santos; Ana Carolina Assis; Leandro Gomes; Catarina Nobre; Paulo Brito. "Waste Gasification Technologies: A Brief Overview". *Waste* (2022): <https://doi.org/10.3390/waste1010011>.
10.3390/waste1010011
- 2 Pires, João R.A.; Souza, Victor G.L.; Gomes, Leandro; Coelho, Isabel M.; Godinho, Maria H.; Fernando, Ana L.. "Micro and nanocellulose extracted from energy crops as reinforcement agents in chitosan films". *Industrial Crops and Products* 186 (2022): 115247. <http://dx.doi.org/10.1016/j.indcrop.2022.115247>.
10.1016/j.indcrop.2022.115247
- 3 Gomes, Leandro; Costa, Jorge; Moreira, Joana; Cumbane, Berta; Abias, Marcelo; Santos, Fernando; Zanetti, Federica; Monti, Andrea; Fernando, Ana Luisa. "Switchgrass and Giant Reed Energy Potential when Cultivated in Heavy Metals Contaminated Soils". *Energies* 15 15 (2022): 5538. <http://dx.doi.org/10.3390/en15155538>.
10.3390/en15155538
- 4 Sgorla, Vitória; Gomes, Leandro; Simões, Fabiano; Eichler, Paulo; Souza, Guilherme; Zinani, Flávia; Santos, Fernando Almeida. "Characterization of residues generated in the harvest and processing of pomiculture for energy purposes in polydispersed fluidized beds". *Estudos Tecnológicos em Engenharia* 12 2 (2018): 45-67. http://www.revistas.unisinos.br/index.php/estudos_tecnologicos/article/view/ete.2018.122.03.
Published · Open access
- 5 Eichler, Paulo; Toledo, Marcilio; Vilares, Matheus; Gomes, Fernando; Lourega, Rogério; Santos, Glêison; Gomes, Leandro; Santos, Fernando. "Potential assessment of eucalyptus grown for biorefinery processes". *Agronomy Science and Biotechnology* 3 1 (2017): 1. <http://dx.doi.org/10.33158/asb.2017v3i1p1>.

10.33158/asb.2017v3i1p1

- 6 Gomes, Leandro; Sgorla, Vitória; Auler, Angenor; Villares, Matheus; Vuelma, Jonatan; Zinani, Flávia; Santos, Fernando. "Preliminary Study of Fluidization Curves in Polydisperse Beds Formed by a Binary Mixture of Raphanus sativus L. Husk and Sand". *OALib* 04 08 (2017): 1-10. <http://dx.doi.org/10.4236/oalib.1103713>.
10.4236/oalib.1103713
- 7 FARIA, Douglas; MACHADO, Grazielle; EICHLER, Paulo; BONEBERG, Bruna; RAYE, Fernanda; VILARES, Matheus; Gomes, Leandro; SANTOS, Fernando. "Cenários e perspectivas das principais culturas do Rio Grande do Sul em processos de biorrefinaria.". *Revista Eletrônica Científica da UERGS* 2 3 (2016): 291. <http://dx.doi.org/10.21674/2448-0479.23.291-306>.
10.21674/2448-0479.23.291-306
- 8 Boneberg, Bruna Steil; Machado, Grazielle Dias; Santos, Davi Friedrich; Gomes, Fernando; Faria, Douglas José; Gomes, Leandro; Santos, Fernando Almeida. "Biorefinery of lignocellulosic biopolymers". *Revista Eletrônica Científica da UERGS* 2 1 (2016): 79. <http://dx.doi.org/10.21674/2448-0479.21.79-100>.
10.21674/2448-0479.21.79-100

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|------------------|---|--|
| Magazine article | 1 | Gomes, Leandro; Sgorla, Vitória; Mem de Sá, Matheus Villares; Auler, Angenor; Eichler, Paulo; Santos, Fernando Almeida. "Caracterização e Avaliação do Pseudocaule da Banana para Processos de Biorrefinaria", <i>BIOMASSABR</i> , 2017, https://issuu.com/revistabiomassabr/docs/revista_biomassa_br_ed_27a_low . |
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| Newsletter article | 1 | Sgorla, Vitória; Gomes, Leandro; Simões, Fabiano; Auler, Angenor; Mem de Sá, Matheus Villares; Gomes, Fernando; Santos, Fernando Almeida. "Geração de energia com Biomassa de Maçã", <i>BIOMASSABR</i> , 2017, http://www.biomassabr.com/bio/resultadonoticias.asp?id=4240 . |
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Activities

Event organisation

| | Event name Type of event (Role) | Institution / Organization |
|-------------------------|---|--|
| 2022/10/19 - 2022/10/19 | 1st Bio-based packaging day (2022/09/19 - 2022/09/19) Seminar (Member of the Organising Committee) | Universidade NOVA de Lisboa Faculdade de Ciências e Tecnologia, Portugal |

Event participation

| | Activity description Type of event | Event name Institution / Organization |
|----------------------------|---|---|
| 2022/09/27 - 2022/09/30 | WASTE2H2 project offered a course on career development to the staff from IPPortalegre. The course included | WASTE2H2: Technical and career development training Karlsruher Institut für Technologie, |

technical sessions on various core competency areas on successfully managing research-funded projects and career development training, with several career development opportunities. This training was at KIT and included sessions about funding opportunities, proposal writing, managing (research), projects, managing research impact, managing Intellectual Property (IP), and raising awareness "from laboratory to market," among others.

Germany

Other

| | | |
|-------------------------|--|--|
| 2022/09/19 - 2022/09/21 | WASTE2H2's thematic workshops are opportunities to unite senior and junior members of each partner's teams (KTH, KIT, ENEA, and IPPortalegre) in an environment of sharing and scientific curiosity. The sessions have a duration of 3 days and include several lectures and seminars within the scope of the project, and are delivered by the senior members of each partner and some invited researchers of international renown. | WASTE2H2 2nd Workshop "Entrained flow and dual fluidised bed gasification" Karlsruher Institut für Technologie, Germany |
| | Workshop | |
| 2022/05/09 - 2022/05/12 | Biomass Conference Conference | 30th European Biomass Conference and Exhibition |
| 2021/10/31 - 2021/11/04 | 4th International Caparica Conference on Pollutant Toxic Ions and Molecules 2021 Conference | 4th International Caparica Conference on Pollutant Toxic Ions and Molecules 2021 |
| 2021/04/26 - 2021/04/29 | Biomass Conference Conference | 29th EUBCE - European biomass conference and exhibition |
| 2020/09/07 - 2020/09/08 | Seminar about research and development considering industrial crops. Seminar | 2020 AAIC Webinar Series AAIC - Association for Advance of Industrial Crops, United States |
| 2020/07/06 - 2020/07/09 | Biomass Conference Conference | e-EUBCE - 28th European Biomass Conference & Exhibition |
| 2019/11/04 - 2019/11/07 | 3rd International Caparica Conference on Pollutant Toxic Ions and Molecules 2019 Conference | 3rd International Caparica Conference on Pollutant Toxic Ions and Molecules 2019 |

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| 2019/09/04 - 2019/09/06 | Wastes: Solutions, Treatments, and Opportunities III Conference | Wastes: Solutions, Treatments and Opportunities III |
| 2019/05/27 - 2019/05/30 | Biomass Conference Conference | 27th EUBCE - European biomass conference and exhibition |
| 2018/09/09 - 2018/09/15 | Techniques for analyzing plant physiologic parameters, determinating a way to improve the quality of biomass. Workshop | PEPg - Ecophysiology techniques workshop University of Cambridge - Plant Environmental Physiology Group, United Kingdom |
| 2018/06/17 - 2018/06/21 | ECOS 2018 Conference | ECOS 2018 - 31st International Conference on Efficiency, Cost, Optimization, Simulation and Environmental Impact of Energy Systems |
| 2018/06/09 - 2018/06/20 | Summer school on biorefinery and the possibilities presented in the sector. Other | Biorefineries: Processes and sustainability National Laboratory of Energy and Geology, Portugal |

Association member

| | Society Organization | Role |
|----------------------|-------------------------|--|
| 2022/06/10 - Current | PLANTMETALS COST Action | Member of Working Group 1 and Working Group 4 |
| 2022/01/25 - Current | WIRE COST Action | Member of Working Group 1, Working Group 2, Working Group 3, and Working Group 4 |

Distinctions

Award

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|------|---|
| 2016 | First Place Oral Presentation International Biomass Conference, Brazil |
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