



PROGRAMME

Curitiba, Brazil, 1st-3rd April 2019

SECOND WORLD SYMPOSIUM ON SUSTAINABILITY SCIENCE AND RESEARCH

UNIVERSITIES AND SUSTAINABLE COMMUNITIES:
MEETING THE GOALS OF THE 2030 UNITED NATIONS
AGENDA FOR SUSTAINABLE DEVELOPMENT

**WORLD SYMPOSIUM ON SUSTAINABILITY SCIENCE AND RESEARCH
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Background:

The United Nations Summit, held on 25 to 27 September 2015 in New York, adopted the post-2015 development agenda and a set of Sustainable Development Goals (SDGs) which are outlined in the document "**Transforming our world: the 2030 Agenda for Sustainable Development**". This Agenda, according to the UN, is a plan of action for people, planet and prosperity, which seeks to strengthen universal peace in larger freedom. It contains 17 Sustainable Development Goals and 169 targets, which demonstrate both a vision and an ambition. It seeks to build on the Millennium Development Goals and complete what these did not achieve. The document "Transforming our world: the 2030 Agenda for Sustainable Development" also clearly shows the need for an integrated handling of the three main dimensions of sustainable development: the economic, social and environmental.

There is a world consensus in relation to the fact that Sustainability Science -i.e. a branch of science concerned with an integrated view of the three main dimensions of sustainable development, can provide an important contribution in order to achieve the Sustainable Development Goals. Even though in the past the potential of Sustainability Science has been largely overlooked – some say underestimated – it is clear that it can provide a key contribution to the implementation of the Sustainable Development Goals (SDGs) and, more specifically, the realization of the vision set at the 2030 Agenda for Sustainable Development.

It is based on the perceived need to explore and present concrete case studies which illustrate how Sustainability Science and Research can help to achieve the many goals listed in the document "Transforming our world: the 2030 Agenda for Sustainable Development", that the "2nd World Symposium on Sustainability Science and Research" is being brought to life. It follows the first Symposium, held in Manchester, the UK in April 2017.

The Symposium is being jointly organized by the Pontifícia Universidade Católica do Paraná - PUCPR (Brazil), Hamburg University of Applied Sciences – HAW (Germany), and the Inter-University Sustainable Development Research Programme – IUSDRP, in cooperation with various UN bodies, government offices and authorities, universities, enterprises, NGOs and grassroots organisations from across the world.

Sustainability researchers from across the world are warmly invited to attend and present their work at the Symposium: their active inputs will help to reiterate the potential of Sustainability Science and Research, showing how it may contribute to the realization of the goals of the 2030 Agenda for Sustainable Development.

Aims:

Consistent with the goals of the 2030 Agenda for Sustainable Development and the many requirements to be fulfilled so as to allow its implementation, the aims of the "**2nd World Symposium on Sustainability Science and Research**" are as follows:

I. to provide a platform to discuss the contribution of Sustainability Science and Research towards the implementation of the SDGs;

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II. to mobilise the relevant actors (i.e. government offices and authorities, universities, enterprises, NGOs and grassroots organisations) working with sustainable development, to gather and deliberate how Sustainability Science and Research can help to achieve the SDGs;

III. to offer an opportunity for those working with Sustainability Science and Research, and with its various ramifications, to meet their peers from across the world, and to display and present their works;

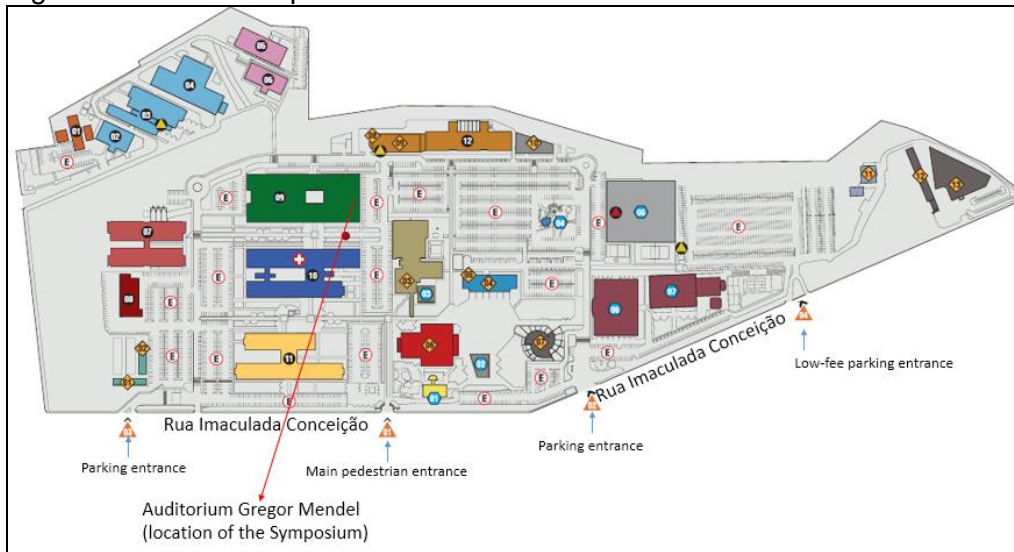
IV. to foster the exchange of information, ideas and experiences acquired in the execution of projects, from successful initiatives and good practice.

Last but not least, a further aim of the event will be to document and disseminate the wealth of experiences on Sustainability Science and Research available today. To this purpose, the multi-volume publication **“Universities and Sustainable Communities: meeting the goals of the Agenda 2030”** will be published, with all accepted papers. This landmark publication will be part of the award-winning “World Sustainability Series”, published by Springer, one of the world’s top five scientific publishers. The book will be fully peer-reviewed and will thus officially count as high calibre publication output for promotion and tenure purposes.

Venue:

Pontifical Catholic University of Paraná (PUCPR)
Rua Imaculada Conceição, 1155, Curitiba, Paraná, Brasil, 80215-901.
Auditorium Gregor Mendel, block 3, marked in green below.

Figure1 – PUCPR map



Source: adapted from https://www.pucpr.br/wp-content/uploads/2018/03/mapa_pucpr.pdf

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MONDAY, 1st April 2019 (Auditorium Gregor Mendel)

13:00-14:45: arrival, registration and set-up of displays (coffee and tea will be served)

14:45-15:30: Welcome Session

15:30-16:15: Opening Presentation: Prof. Walter Leal, Hamburg University of Applied Sciences, Germany

16:15-17:00: Opening Presentation: Prof. Salvatore Monni, Università degli studi Roma Tre, Italy

17:00-18:00: Group Dynamics coordinated by Walter Leal

18:00: Cocktail

TUESDAY, 2nd April 2019

Chair: Walter Leal

09:00-09:15: Review and Impressions from the First Day (Auditorium Gregor Mendel)

09:15-10:00: Key-note speech by Prof. Rodrigo Lozano, University of Gävle (Auditorium Gregor Mendel)

10:00-10:45: Key-note speech by Prof. Amadeu Soares, University of Aveiro, Portugal (Auditorium Gregor Mendel)

10:45-11:15: Break and Visit to Posters & Exhibition Booth

11:15-12:45: Parallel Sessions 1A, 1B, 1C and 1D

12:45-14:00: Lunch

14:00-14:45: Key-note speech by Prof. Luciana Brandli, University of Passo Fundo, Brazil (Auditorium Gregor Mendel)

14:45-16:15: Parallel Sessions 2A, 2B, 2C, 2D

16:15-17:00: Break and Visit to Posters & Exhibition Booth

17:00-18:15: Parallel Sessions 3A, 3B, 3C, 3D

18:15-19:00: Walking to Dinner Reception

19:00 – Dinner Reception

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WEDNESDAY, 3rd April 2019

09:00-09:30: Key-note speech by Prof. Cecilia M. V. B. Almeida, Paulista University, Brazil and Journal of Cleaner Production - Co-Editor-in-Chief (Auditorium Gregor Mendel)

09:30-11:00: Parallel Sessions 4A, 4B, 4C, 4D and 4E

11:00-11:30: Conclusions and hand over of the Best Papers Awards (Auditorium Gregor Mendel)

11:30-12:30: Brunch

12:00: Departure to Renault Visit

13:00: Departure to Boticário Visit

Session 1A- Room 1

Chair: Roberto Gregorio da Silva Jr

11:15-11:30: Strategies for the Promotion of Sustainable Urban Development: A Multicriteria Analysis (Samara da Silva Neiva, Centre for Sustainable Development (Greens), University of Southern Santa Catarina, Brazil)

11:30-11:45: Consideration of environmental and socio-economic aspects of a territory for sustainable production and consumption in a biorefinery context (Pauline Marty, Research Centre for Environmental Studies and Sustainability, University of Technology of Troyes, France)

11:45-12:00: International transdisciplinary approach to sustainability research related to place: sustainable, affordable homes and ecosystem services in the U.S. and Brazil (Clarissa Ferreira Albrecht da Silveira, Federal University of Viçosa, Brazil)

12:00-12:15: Urban Spaces Sustainability. Applied Study to Curitiba's Central District – Brazil (Ana María Osorio Guzmán and Marina Klug Heinzen, Pontifical Catholic University of Parana – PUCPR, Brazil)

12:15-12:30: Sustainable Development of Communities: ISO:37120 and UN Goals (Suelen Bebbler, University of Caxias do Sul – UCS, Brazil)

12:30-12:45: Discussion



Session 1B- Room 2

Chair: Marcos Gonçalves Perroni

11:15-11:30: Ecotechnology as mechanism of development in disadvantaged regions of Mexico (Lorena del Carmen Álvarez-Castañón, University of Guanajuato, Mexico)

11:30-11:45: A review on Multi-Criteria Decision Analysis in the Life Cycle Assessment of Electricity Generation Systems (Rodrigo Salvador, Federal University of Technology - Paraná – UTFPR, Brazil)

11:45-12:00: Sustainable Development Goals as a Tool to Evaluate Multidimensional Clean Energy Initiatives (Karen L. Mascarenhas, University of Sao Paulo – USP, Brazil)

12:00-12:15: Affordable and clean energy: a study on the advantages and disadvantages of the main modalities (Bernardo Keller Richter, Pontifical Catholic University of Parana – PUCPR, Brazil)

12:15-12:30: Is energy planning moving towards sustainable development? A review of energy systems modeling and their focus on sustainability (Drielli Peyerl, University of Sao Paulo – USP, Brazil)

12:30-12:45: Discussion

Session 1C- Room 3

Chair: André Luiz Braga Turbay

11:15-11:30: An Analysis of Itaipu Power Plant's Water Supply in Energy Generation (Fabricio Mussi, Pontifical Catholic University of Parana – PUCPR, Brazil)

11:30-11:45: The Role of the Ecological Fiscal Transfers for Water Conservation Policies (Felipe Luiz Lima de Paulo, Rural Federal University of Pernambuco, Brazil)

11:45-12:00: Towards more sustainable extractive industries: Study of simulation of efficient ventilation systems in the emission reduction of gases for the development of mine works (Juan Carlos Baltazar Vera, Universidad de Guanajuato, Mexico)

12:00-12:15: Sustainable management of resources in a Brazilian water and sanitation company based on DMAIC approach (Alexandre Andrioli Iwankio and Gustavo Rafael Collere Possetti, ISAE, Brazil)

12:15-12:30: Methodology of supporting the maintenance of sewage collecting network (Karen Juliana do Amaral, University of Stuttgart, Germany)

12:30-12:45: Discussion



Session 1D- Room 4

Chair: Vilmar Rodrigues Moreira

11:15-11:30: The participatory process of planning Social and Environmental Responsibility at a Brazilian University (Marcos Antonio Leite Frandoloso, University of Passo Fundo, Brazil)

11:30-11:45: Implementation of SDGs in higher education institutions: the case of the University of South Africa (Mr Albert Mawonde and Dr Mucha Togo, University of South Africa, South Africa)

11:45-12:00: Proposals for teacher training in the face of the challenge of educating for sustainable development: beyond epistemologies and methodologies (Mari Regina Anastacio, Pontifical Catholic University of Parana – PUCPR, Brazil)

12:00-12:15: Encouraging University Sustainability Practices: a marketing approach (Nathalia Hipólito, Federal Fluminense University, Brazil)

12:15-12:30: Discussion

Session 2A - Room 1

Chair: Angela Cristiane Santos Póvoa

14:45-15:00: Including SDGs in the education of globally responsible leaders (Norman de Paula Arruda Filho, ISAE, Brazil)

15:00-15:15: Comparative analysis of sustainable practices/innovations between University of Pretoria, Gauteng and University of Venda, Limpopo (Muchaiteyi Togo and Emma Mukwevho, University of South Africa, South Africa)

15:15-15:30: The Challenges of Linking the SDGs with ESD, Biodiversity, Climate Change and Bringing the Business World on Board (Patricia Charvet, Federal University of Paraná – UFPR, Brazil)

15:30-15:45: Sustainability in Brazilian HEI: practices review (Manoela Maria Caron Moura, Pontifical Catholic University of Parana – PUCPR, Brazil)

15:45-16:00: Governance, risk and compliance: Concerns in sustainability research agendas (Janaína Gabrielle Moreira Campos da Cunha Amarante, PUCPR, Brazil)

16:00-16:15: Discussion

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Session 2B - Room 2

Chair: Pedro Guilherme Ribeiro Piccoli

14:45-15:00: Sustainable Logistics: a case study about Vehicles Routing with environmental considerations (Aline Scaburi, Federal University of Paraná – UFPR, Brazil)

15:00-15:15: Green Supply Chain Management and the contribution to Product Development Process (Alda Yoshi Uemura Reche, Pontifical Catholic University of Parana – PUCPR, Brazil)

15:15-15:30: The Use of Digital Transformation as a Sustainable Mechanism: An Automotive Industry Case (Izabelle C. Hannemann de Freitas, Federal University of Paraná – UFPR, Brazil)

15:30-15:45: Comparative study of LCIA, MFCA, and EPIP tools for the environmental performance evaluation in industrial processes (Marcell Mariano Corrêa Maceno, Federal University of Paraná – UFPR, Brazil)

15:45-16:00: School of Nature Conservation: An experience in education for sustainable development for the northern coast of the State of Paraná, Brazil (Solange Regina Latenek dos Santos, Technological Federal University of Parana – UTFPR, Brazil)

16:00-16:15: Discussion

Session 2C - Room 3

Chair: Fábio Teodoro de Souza

14:45-15:00: Green Infrastructure and Social Welfare. Lessons for sustainable urban development in the Metropolitan Zone of Leon, Mexico (Jairo Agustín Reyes Plata, National Autonomous University of Mexico, Mexico)

15:00-15:15: The Fundão Tailings Dam catastrophe: How unsustainable practices and sloppy management led to the disaster (Milton Adrião, Pontifical Catholic University of Parana – PUCPR, Brazil)

15:15-15:30: Challenges and opportunities due to energy access in traditional populations: the Quilombo Ivaporunduva case, Eldorado – SP (Rodolfo Pereira Medeiros, University of Sao Paulo, Brazil)

15:30-15:45: India's Emerging Ecological Public and the Western Ghats: The Gadgil Committee Report and the Responses of Contiguous States (Rose Veera D Souza, St Aloysius College (Autonomous), India)

15:45-16:00: The legal time of sustainable development: the brazilian short term view in contrast with agenda 2030 (Carlos Luiz Strapazzon and Clarissa Bueno Wandscheer, Positivo University, Brazil)

16:00-16:15: Discussion



Session 2D - Room 4

Chair: Luciana Londero Brandli

14:45-15:00: Sustainable Behavior and Its Antecedents: A Systematic Literature Review (Fabricio Mussi, Pontifical Catholic University of Parana – PUCPR, Brazil)

15:00-15:15: The Amerindian Good Living as a Sustainable Alternative to Latin American Development (Adriano Fabri, Federal University of Parana – UFPR, Brazil)

15:15-15:30: Application of Information Entropy to Evaluate Environmental Sanitation Sustainability Conditions: A Case Study at the River Grande Basin, Brazil (Janaína Ferreira Guidolini, National Institute for Space Research – INPE, Brazil)

15:30-15:45: The challenge of measuring sustainability performance (Flavio Hourneaux Junior and Barbara Galleli, University of Sao Paulo, Brazil)

15:45-16:00: Implementing the SDG 2, 6 and 7 nexus in Kenya - A case study of Solar powered Water Pumping for Human Consumption and Irrigation (Izael Pereira Da Silva, Strathmore University, Kenya)

16:00-16:15: Discussion

Session 3A- Room 1

Chair: Juan José Camou Viacava

17:00-17:15: Analysis of sustainability indicators in irrigated rice production in the South of Santa Catarina, Brazil (Melissa Watanabe, University of the Far South Catarinense – UNESC, Brazil)

17:15-17:30: Organic Foods in Brazil: A Bibliometric Study of Academic Researches Related to Organic Production Before and After the Conceptual Law (Juliana Fatima de Moraes Hernandez, State University of Londrina – UEL, Brazil)

17:30-17:45: Innovations in agriculture: The important role of agroforestry in achieving SDG 13 (Marcia Fajardo Cavalcanti de Albuquerque, University of Paris 1 Sorbonne and Mackenzie University, Brazil)

17:45-18:00: Study of the antioxidant and nutraceutical properties of strawberry fragaria x ananassa organically grown as an option of sustainable agriculture (Juan Carlos Baltazar Vera, Universidad de Guanajuato, Mexico)

18:00-18:15: Discussion



Session 3B- Room 2

Chair: Norman de Paula Arruda Filho

17:00-17:15: Teacher's approach on climate change education a case study (Vanessa Tibola da Rocha; Janaina Mazutti and Luciana Londero Brandli, University of Passo Fundo, Brazil)

17:15-17:30: The Use of Mobile Devices in Environmental Education (Regina Célia Soares Pereira, University Fernando Pessoa and Federal Fluminense Institute, Brazil)

17:30-17:45: Transculturality as a Drive for the SDGs Achievement (Norman de Paula Arruda Filho, ISAE, Brazil)

17:45-18:00: Study to Promote the Sustainable Mobility in University (Ana Paula Scheffer, University of Passo Fundo, Brazil)

18:00-18:15: Discussion

Session 3C- Room 3

Chair: Marcos Antonio Leite Frandoloso

17:00-17:15: Responsible Investment and the disclosure of ESG information in the companies' Integrated Reports (Hong Yuh Ching, University Center FEI, Brazil)

17:15-17:30: Economic Complexity and the Environment: Evidence from Brazil (Julia Swart, Utrecht University, the Netherlands)

17:30-17:45: Circular economy tools can improve industrial waste sustainable management? (Mariana Rodrigues, Federal University of Espírito Santo, Brazil)

17:45-18:00: Selection of best practices for climate change adaptation with focus on rainwater management (Giovana Reginatto and Janaina Mazutti, University of Passo Fundo, Brazil)

18:00-18:15: Discussion

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Session 3D - Room 4

Chair: Lorena Álvarez-Castañón

17:00-17:15: Knowledge Management, the missing piece in the 2030 Agenda and SDGs puzzle
(Christian Eric Barrantes Briceño, University of Sao Paulo, Brazil)

17:15-17:30: Sustainability practice at hotels and BnB establishments on the island of Gotland in Sweden
(Anette Oxenswärdh, Uppsala University, Sweden)

17:30-17:45: The Role of Neighborhood Origin in the Residential Satisfaction of Residents of Low-
Income Areas in Bogotá, Colombia (Dario Vanegas-Vargas, The Pennsylvania State University, USA)

17:45-18:00: Recognizing sustainability in a University campus through a green trail (Ricardo Henrique
Reginato Quevedo Melo, Federal University of Rio Grande do Sul, IMED and University of Passo Fundo,
Brazil)

18:00-18:15: Discussion

Session 4A - Room 1

Chair: Lilian Adriana Borges

09:30-09:45: Exploring the locus of social sustainability implementation: A South Asian Perspective on
Planning for Sustainable Development (Usama Awan, Lappeenranta-Lahti University of Technology –
LUT, Finland)

09:45-10:00: Assessing Sustainability in Mining Industry: Social License to Operate and other Economic
and Social Indicators in Canaã dos Carajás - PA – Brazil (Thiago Leite Cruz, Vale Institute of
Technology, Brazil)

10:00-10:15: Sustainability of Sufficiency-based schools (Dr. Molraudee Saratun, College of
Management, Mahidol University, Thailand)

10:15-10:30: Environmental Performance Measurement in Hospitals: A bibliometric review of literature
(1987-2017) (Lilian Adriana Borges, University Center for the Development of the Alto Vale do Itajaí -
UNIDAVI, Brazil)

10:30-10:45- Discussion



Session 4B- Room 2

Chair: Bárbara Galleli Dias

09:30-09:45: Benchmark Analysis of the Higher Education Institutions Participants of the GreenMetric World University Rankings (Nathália Hipólito Cardozo, Federal Fluminense University, Brazil)

09:45-10:00: Principles for Responsible Management Education: sustainability and ethics information on shares of signatories institutions (Paulo Roberto Cueto, Federal University of Parana – UFPR, Brazil)

10:00-10:15: Barriers to innovation and sustainability in universities: An international comparison (Lucas Veiga Avila, Federal University of Santa Maria – UFSM, Brazil)

10:15-10:30: The 2030 Agenda for Sustainable Development in Brazil's Government: an exploratory approach (Teresa Villac, University of Sao Paulo, Brazil)

10:30-10:45: Discussion

Session 4C- Room 3

Chair: Paulo Otavio Mussi Augusto

09:30-09:45: Urban Management: Learning from Green Infrastructure, Socioeconomics and Health Indicators in the Municipalities of the State of Paraná, Brazil, towards Sustainable Cities and Communities (Luciene Pimentel da Silva, Pontifical Catholic University of Parana – PUCPR, Brazil)

09:45-10:00: Governance contributions for the revitalization of urban hydrographic basins: challenges and perspectives for the Belém River Basin, Curitiba / PR (Demian da Silveira Barcellos, Pontifical Catholic University of Parana – PUCPR, Brazil)

10:00-10:15: The development role of customers in the reverse logistics of industrial waste (Tamiris de Oliveira and Alvim Borges da Silva Filho, Federal University of Espírito Santo, Brazil)

10:15-10:30: The role of institutions in promoting resilience in the development of sustainable food systems: the farmer's perspective in the Northeast of Brazil (Monica Dantas, Concordia University – Montreal, Canada)

10:30-10:45: Discussion



Session 4D- Room 4

Chair: Bruno Henrique Rocha Fernandes

09:30-09:45: Green practices in the fashion supply chain: a literature view (Pedro Seolin dos Santos, Federal University of Santa Catarina – UFSC, Brazil)

09:45-10:00: UNU as a platform to integrate higher education partnerships for SDGs (Katarzyna Cichos, Cardinal Stefan Wyszyński University in Warsaw, Poland)

10:00-10:15: Mapping of the industrial water demand from metropolitan region of Curitiba (Brazil) for supporting the reuse of effluent from wastewater treatment plants (Karen Juliana do Amaral, University of Stuttgart, Germany)

10:15-10:30: Bioethics reflections involving the 2030 Agenda for sustainable development and health promotion for university teaching staff (Ivaní Nadir Carlotto, University Fernando Pessoa, Portugal)

10:30-10:45: Discussion

Session 4E- Room 5

Chair: Carlos Olavo Quandt

09:30-09:45: Dynamic capabilities and business model in the transition to sustainability: the case of Bosch/Curitiba (Cristina M. Souto Ferigotti, Innovation and Sustainability Research Group / Positivo University - UP and FESPPR, Brazil)

09:45-10:00: Implementing the SDG 2, 6 and 7 nexus in Kenya - A case study of Solar powered Water Pumping for Human Consumption and Irrigation (Izael Pereira Da Silva, Strathmore University, Kenya)

10:00-10:15: Sustainability in the Decision Making Process: A Systematic Review of Literature (Rafael Felix da Silva, Federal University of Paraná – UFPR, Brazil)

10:15-10:30: Energy efficiency actions at a Brazilian university and their contribution to Sustainable Development Goal 7 (Bianca Gasparetto Rebelatto, Giovana Reginatto and Luciana Brandli, University of Passo Fundo, Brazil)

10:30-10:45: Discussion



Posters & Exhibition Booth

1. The European School of Sustainability Science and Research, Walter Leal, Hamburg University of Applied Sciences, Germany
2. ICT in Education Technology Roadmap for Sustainable Development - Innovative Efforts of Brazilian High Level Education and Research Institutions (Marcia França Ribeiro, Federal University of the State of Rio de Janeiro – UNIRIO, Brazil)
3. Energy challenges the sustainable development poses. Research results and some student`s views (Cecilia E. Silvana Alvaro, Universidad Nacional del Comahue, Argentina)
4. Indicators for assessing sustainability performance of small rural properties (Aleriane Zanetti Vian, PUCPR and UTFPR, Brazil)
5. Decision model for selecting advanced technologies for municipal solid waste management (Douglas Alcindo da Roza, PUCPR and UTFPR, Brazil)
6. Diagnostic model in sustainable and innovative operations for municipal solid waste management (Douglas Alcindo da Roza, PUCPR and UTFPR, Brazil)
7. The role of public administration in sustainable development (Fernanda Caroline Caldatto, PUCPR and UTFPR, Brazil)
8. Neem and orange oils, a sustainable alternative in the control of the cattle tick *Rhipicephalus microplus* (Acari:Ixodidae) (Francinea Alves Fonseca de Souza, Dexter Latina and PUCPR, Brazil)
9. Measuring the implementation of Sustainable Development Goals at a local level: the WeGlx index (Lilian Monteiro Ferrari Viterbo, University Fernando Pessoa and Petrobrás, Portugal and Brazil)
10. Indicators for assessing sustainable operations in a poultry slaughterhouse, considering Industry 4.0 perspective (Débora de Souza Soares, Federal University of Technology of Paraná – UTFPR, Brazil)
11. The potentiality of university extension projects to stimulate sustainable awareness and ecosystem valorization in services, territories, children and their relatives (Valkiria Guilherme Assis da Silva and Vanessa Ayumi Uezono, Federal University of Sao Paulo, Brazil)
12. The use of the seed germination test to evaluate phytotoxicity in small-scale organic compounds: a study on scientific production and its contributions to goals 2 and 12 of the UN 2030 Agenda (Adriana Marcia Nicolau Korres, Federal Institute of Education, Science and Technology of Espírito Santo, Brazil)



13. Scientific dissemination and environmental education focusing on composting and valorization of coffee grounds: Contributions and challenges to the achievement of the goals 4 and 11 of UN 2030 Agenda (Adriana Marcia Nicolau Korres, Federal Institute of Education, Science and Technology of Espírito Santo, Brazil)
14. Challenges in Reducing Construction and Demolition Waste Generation in Construction Sites in Curitiba (Leilane Kusunoki; Eduardo Felga Gobbi and Patricia Charvet, Federal University of Paraná – UFPR, Brazil)
15. Walk the Talk: Implementing ISO 14001:2015 at a Portuguese University (Catarina Roseta-Palma, Instituto Universitário de Lisboa – ISCTE, Portugal)
16. Using GIS to Map Priority Areas for Conservation versus Mineral Exploration: Territorial Sea of Espírito Santo State, Brazil, study case (Viviane Korres Bisch, Federal University of Espírito Santo, Brazil)
17. Brief analysis of the scientific articles produced on atematics "social innovation", during the last ten years (Sandra Aparecida Santos, Pontifical Catholic University of Parana – PUCPR, Brazil)

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