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CALL FOR PARTICIPATION

Fourth International Conference

“Valorization of Agricultural Residues Towards Climate-Smart Agriculture in South-East Asia”

Seminar Room C2- On the 19th of September 2024 in
Hanoi University of Science and Technology

Agricultural residuals, primarily composed of starchy and lignocellulosic materials, along with protein-rich components, are frequently discarded into the environment or incinerated onsite, the consequences are twofold. Not only does this practice contribute to adverse environmental effects, but it also represents a squandering of valuable natural resources within our planetary constraints. To address this issue, solutions must be tailored to the diverse geographical landscapes, climates, and cultural contexts of the region. Consequently, the management of agricultural residues should not be viewed solely through technical lens but also from environmental, economic, and logistical standpoints. Embracing a climate-smart agriculture approach can empower communities to effectively adapt their agricultural systems to climate change while concurrently addressing waste management challenges. This approach aligns with the concept of utilizing biogas technology to convert organic waste, such as agricultural residuals, into renewable energy sources, thereby mitigating environmental degradation and promoting sustainable resource utilization.

The fourth conference on the valorization of agricultural residues in Hanoi City, Vietnam is an opportunity for knowledge exchange among professionals in Vietnam and other countries to assist the formulation of an efficient, sustainable organic waste management in the local context, which addresses the environmental compatibility, financial feasibility, and social needs. The conference will be conducted at the Hanoi University of Science on the 19th September 2019. The conference is organized in the context of the Vietnamese-German research project S-IRCLE, which stands for Circular Biogas Technology - Smart Filter Systems for H₂S-Removal and S-Recovery. The goals of S-IRCLE project are (1) to develop an innovative, automatic, regenerable external filter system to remove H₂S in small-scale biogas plants and (2) to recycle sulfur in the loaded filter material as an alternative Sulphur fertilizer. Moreover, a survey on the Vietnamese waste disposal and recycling system will be carried out to collect data to assess the recyclability of the filter under local conditions. Ultimately, a material flow analysis will be applied to evaluate the environmental impacts of the novel biogas filter in comparison to the current scenario. For more information about the S-IRCLE project, please check <https://s-ircle.com/>.

The conference is including:

- ✚ We invite all the scientists and practitioners to come together and share their knowledge and research, contributing to the following topics* by a **presentation** or a **poster**:

Topic 1: Biomass resources and bioenergy

- Mass flows of agricultural residues (sources, characterization, quantification, inventories)
- Biomass mobilization and logistic
- Use of organic residues for bioenergy such as biogas, RDF,...

Topic 2: Sustainable technologies

- Innovative technologies for residue valorization and treatment
- Innovative Technologies for air, water and soil treatment in agriculture
- Residue utilization in industrial biotechnology
- Innovative technologies for plastic recycling
- Plastic circular economy
- Fertilizer production technology from agricultural residues

Topic 3: Environmental Impacts and Management

- Monitoring of environmental impacts including GHG emissions, pollution and mitigation in agriculture
- Biomass management, circular economy strategies and policies
- Challenges and opportunities for the sustainable technologies
- Sustainable soil and water management in agriculture
- Service and financing models for sustainable agriculture.

Instructions for submission:

All submissions should be relevant to the objectives of the conference. *The topics described above are an indication of the scope of the conference but are not meant to be restrictive.

Abstract: Extend abstract as attached format (2 pages ~ 4,000 characters, comprising the scope, materials and methods and results of the research. Selected abstracts will be published in the conference proceeding. Please indicate whether you would like to prepare a scientific poster.

Important dates:

- Extended Abstract submission deadline: 20.08.2024
- Notification of Acceptance/Rejection: 30.08.2024
- Final Abstract submission deadline**: 07.09.2024
***Only in case the authors would like to be considered for the peer-review process*
- Conference registration deadline: Untill 12.09.2024
https://s-ircle.com/EN_conference.html

Submit to: huong.nguyenthithu4@hust.edu.vn or t.hoang@tu-berlin.de or via website https://s-ircle.com/EN_conference.html

Scientific organization:

1. Prof. Vera Susanne Rotter – Technology University Berlin
2. Assoc. Prof. Tuyet Nguyen Thi Anh – Hanoi University of Science and Technology
3. Assoc. Prof. Son Chu Ky – Hanoi University of Science and Technology
4. Assoc. Prof. Huong Hoang Thi Thu – Hanoi University of Science and Technology
5. Assoc. Prof. Thuy Ly Bich - Hanoi University of Science and Technology

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Extended Abstract submission: Guide for Authors

- Abstracts must present information that falls within the scope of the conference.
- Extended Abstracts must not exceed 4,000 keystrokes in length, including title, author names and affiliation (2 pages)
- The first name of authors, not just initials, should be given.
- Abstracts must contain a clear statement of 4 main parts including Introduction, Materials and Methods, Results, Conclusions. Results should be presented in sufficient detail to support the conclusions drawn.
- Please use the format given on the next page.
Submission to: huong.nguyenthithu4@hust.edu.vn, or t.hoang@tu-berlin.de, or via website https://s-ircle.com/EN_conference.html
- Dead-line: 20.08.2024

Guide for Authors Submitting their Extended Abstract to the International Conference

First Author Name^a, Second Author Name^a and Third Author Name^{b*}

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1. INTRODUCTION

Please use this template for submitting the abstract. The guide aims to tell you the submission format for the Proceedings of International Conference. All submissions must be submitted on-line via e-mail by the due date. The review decision notifications with an acceptance or rejection email will be sent to the corresponding author in two weeks after submission. After receiving the review result, the authors are encouraged to prepare the final camera-ready paper before the deadline shown in the website. If you have any questions, please do not hesitate to contact us. We look forward to your participation.

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2. MATERIAL AND METHODS

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Table 1 or Figures:

Items	N	Percentage (%)
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XXX	y	z
XXX	y	z
XXX	y	z
XXX	y	z
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XXX	y	z

4. CONCLUSIONS

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KEYWORDS: Keyword 1, keyword 2, keyword 3, keyword 4, keyword 5.

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REFERENCES

S Kumar, P Sangwan, R Mor V Dhankhar, and S Bidra (2013), Utilization of rice husk and their ash: A review, Res. J. Chem. Env. Sci, vol. 1, n. 5, 126-129.

Ramchandra Pode (2016), Potential applications of rice husk ash waste from rice husk biomass power plant, Renewable and Sustainable Energy Reviews, vol. 53, 1468-1485.

Jittima Prasara-A and Shabbir H. Gheewala (2017), Sustainable utilization of rice husk ash from power plants: A review, J. Cleaner Prod., vol. 167, 1020-1028.

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