

**CALL FOR ABSTRACTS  
for the Second International Conference**

**“Valorization of Agricultural Residues in Vietnam -  
Opportunities and Challenges for Sustainability”**

**On the 28<sup>th</sup> of March in Ho Chi Minh City**

Agriculture not only secures the global food demand, it also provides security of income, jobs and wealth for 1/3 of the global population. Since the 1950s the production of food has grown up by 400 % but consequently, there are serious environmental impacts that come along. Over withdrawal of fresh water and ground water, accumulation of pesticides, over fertilization and increasing emissions of greenhouse gases are threats to both, the environment and human health. In average, only 70 % of the agricultural production gets integrated into food production. The residuals, mainly consisting of starchy and lignocellulosic and sometimes protein rich material, are often disposed in the environment or are burnt on-site. The inadequate management of agricultural residues is not only contributing to negative environmental impacts but also a wastage of limited natural resources within our planetary boundaries. Nevertheless, solutions need to be adapted to the different geographical conditions, the climates and cultures, hence, the handling of agricultural residues should not only be seen from a pure technological point of view, but also from the environmental, economic and logistical perspective.

The second “conference on valorization of agricultural residues” in Ho Chi Minh City, Vietnam is an opportunity for knowledge exchange among professionals in Vietnam and South-East Asia 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

We invite scientists and practitioners to submit abstracts which contribute in the following subjects:

- Mass flow of agricultural residues (sources, characterization, quantification, inventories)
- Monitoring of environmental impacts in agriculture
- Innovative technologies for residue valorization and treatment
- Sustainable soil and water management in agriculture
- Use of organic residues for bioenergy
- Residue utilization in industrial biotechnology
- Monitoring and mitigation of GHG emissions in agriculture
- Service and Financing models for sustainable agriculture

The conference will contain the presentations of scientific results and current engineering developments. In addition, there will be a poster presentation, a poster competition and a forum for exchanging research results.

Outstanding papers selected by the conference organizers will be invited to our peer-review for publication in special issues in the Journal of Science and Technology, ISSN: 2525-2267.

The conference will be conducted at the Industrial University of Ho Chi Minh City on the 28<sup>th</sup> of March 2018. On the 29<sup>th</sup> of March, the participants are invited to a field trip to Tien Giang province. In the village of Hau My Bac B the Vietnamese-German research project BioRist is operating a pilot plant, which produces biogas from rice straw and cow dung. The project partners will present the technology and the accompanying investigations ([www.biorist.tu-berlin.de](http://www.biorist.tu-berlin.de)).

DAAD Alumni's and Germany Alumni's can apply for a DAAD funding for travel costs.

**Scientific organization:**

Dr. rer. nat. Celia Hahn – Technische Universität Berlin, Germany

Prof. Dr. Le Hung Anh - Industrial University of Ho Chi Minh City, Vietnam

**Abstract:** 2,600 characters (with titles and author names), comprising the scope, materials and methods and results of the research.

**Deadline:** 28.02.2018

Submit to: [celia.hahn@tu-berlin.de](mailto:celia.hahn@tu-berlin.de) or [lh.anh.9@gmail.com](mailto:lh.anh.9@gmail.com).

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