

CALL FOR PAPERS for the International Workshop

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

The agricultural sector in Vietnam faces a number of regional and global challenges. On one hand there is the necessity of achieving food security: the observed intensification of the agricultural activities and in particular the improper management of the incidental residues lead to regional high emission of nutrients, pesticides and pharmaceutical residues to soil and water bodies, air pollution and soil degradation. On the other hand the global system reaches its planetary boundaries beyond which environmental changes are irreversible. The safe operating boundaries for climate change, biodiversity loss, and the biogeochemical flows for nitrogen and phosphorous to the biosphere are considered to be crossed already. The agricultural sector has been contributing to this to a high extend. At the same time the agriculture in transition countries like Vietnam has great potentials to contribute to a pathway of sustainable development when based on sustainability principles.

In this workshop we would like to address the potentials to valorize agricultural residues and by-products in Vietnam and to discuss development trajectories with international experts. We invite scientists and experts to submit abstracts which contribute in the following subjects:

- Mass flow of agricultural residues (sources, characterization, quantification, inventories)
- Monitoring of environmental impacts in agriculture
- Engineering and technologies for residues valorization and treatment
- Sustainable soil and water management in agriculture
- Use of residues for bioenergy and bioeconomy
- Monitoring and mitigation of GHG emissions in agriculture
- Financing

Outstanding papers selected by the conference organizers will be processed, and then revised and updated as necessary, for publication in special issues in the Journal of Vietnamese Environment, ISSN 2193-6471, Germany.

The workshop contains of four parts:

1. Scientific presentations
2. Breakout group discussions related to relevant topics
3. Poster session
4. Excursion to a biogas pilot plant in Tien Giang province

Time: April, 04 and 05, 2017

Location: Industrial University of Ho Chi Minh City, 12 Nguyen Van Bao Str. , Ward 4, Go Vap Dist., Vietnam

Scientific committee:

1. Prof. Dr. Susanne, Rotter - Technische Universität Berlin, Germany (Expert in Circular Economy)
2. Prof. Dr. Le Hung Anh - Industrial University of Ho Chi Minh City, Vietnam (Expert in Environmental Engineering)
3. Prof. Dr. Sc. Dr. h.c. mult. Michael Boehme - Humboldt University Berlin, Germany (Expert in Agriculture in Vietnam)
4. Prof. Dr. Pham Nguyen Chau Ngan - Can Tho University, Vietnam (Expert in Biogas technology)
5. Prof. Dr. Tran Tien Khai - University of Economics Ho Chi Minh City (Expert in Agricultural Economy)

6. Dr. agr. Nguyen Phuong Nam - Center for Technology Responding to Climate Change, Mitigation Technology Division, MONRE, Hanoi (Expert in GHG Emission monitoring and inventories)

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: 2,000 characters, comprising the scope, materials and methods and results of the research.

Deadline: 31.01.2017

Submit to: celia.hahn@tu-berlin.de or lh.anh.9@gmail.com

Contact:

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Publication details:

The Journal of Vietnamese Environment (J. Viet. Env.) is a scientific platform for researchers and stakeholders working on environmental issues in Vietnam and abroad. The J. Viet. Env. is open for all kind of Vietnam-related environmental topics, from climate change and renewable energies to legislative framework and socio-economic aspects. The papers submitted shall describe new findings in the field of environmental management converged from fundamental research studies, experimental work, review and policy papers, as well as short communications and relevant event reports.

The Journal of Vietnamese Environment (J. Viet. Env.) was founded in 2011 as part of an academic network initiated by the Dresden University of Technology in the framework of Vietnamese-German cooperation programs on training and education. J. Viet. Env. follows the Open Access policy and offers online content free of charge via its internet address <http://dx.doi.org/10.13141/jve>.

The workshop is conducted in the frame of the Vietnamese-German research project BioRist:

Development and integration of an innovative process technology for biogas production from rice straw in regional value chains in rural areas in South East Asia under consideration of sustainable development and climate protection – case Vietnam (BMBF: 01LY1508A und 01LY1508B)

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