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## International Conference on Agriculture, Environment, and Food Security 2018

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## INTRODUCTION

First of all let us praise and thank the presence of Allah Almighty, for the abundance of grace and joy, so that all of us can still gather in this place in good health. We would like to take this opportunity to tell you that this is our honour and privilege to welcome you here.

The honorable:

- Rector of Universitas Sumatera Utara, Prof. Dr. Runtung, M.Hum
- Vice Rector III (Research, community services, and Cooperation) of Universitas Sumatera Utara, Drs. Mahyuddin K.M. Nasution, M.I.T., Ph.D
- Dean of Faculty of Agriculture, Universitas Sumatera Utara: Dr. Ir. Hasanuddin, M.S.
- Dean of Faculty of Engineering Czech University of Life Science : Doc. Ing. Jiří Mašek, Ph.D.
- Prof. Dr. Ing. Frantisek Kumhala (Czech University of Life Science, Prague)
- Keynote Speakers:
  1. Prof. Nilda Roma Burgos, Ph.D (University of Arkansas, USA)
  2. Prof. David Herak, Ph.D (Czech University of Life Science, Prague)
  3. Prof. Bhesh Bhandari, Ph.D (University of Queensland, Australia)
  4. Prof. Dr. Ir. Hermanto Siregar, M.Ec (Institut Pertanian Bogor, Indonesia)
- The distinguished guests from all around the world

I am greatly honored to welcome you to the second International Conference on Agriculture, Environment and Food Security (AEFS) 2018. AEFS conference aims to offer the opportunity for knowledge sharing, networking, and collaboration between engineers, scientists, and technologists as well as academician and researchers working in the specific areas of agriculture, social economics, biosystems engineering and food technology. For this year the committee has chosen “Prospect and Challenges of Sustainable Agriculture to Improve Food Security and Environment” as the main theme, with 6 selected tracks including Agricultural Engineering, Agricultural Economics, Plant Science (Agronomy and Plantation, Plant Breeding, Biotechnology, Integrated Pest Management and Soil Science), Animal Science, Food Science and Technology, Marine and Fisheries Sciences. This conference is organized by The Faculty of Agriculture, Universitas Sumatera Utara (USU) as an annual event to celebrate the faculty anniversary and fully supported by Czech University of Life Sciences, Prague (CULS), The Institution of Engineers Indonesia (IEI/PII), Indonesian Society of Agricultural Economics (ISAE/PERHEPI), Komisariat Daerah Sumatera Utara, Indonesian Association of Nutrition and Feed Science (AINI) and Indonesian Association of Food Technologist (IAFT/PATPI). The AEFS 2018 program consists of the interactive presentation sessions, keynote speaking and social events including networking dinner and poster presentations. The conference 2018 papers that have been submitted to AEFS’ committee, but after the reviewing process there are 184 papers which have been approved. International seminar has been held in one day, i.e. October 24<sup>th</sup> 2018 in Aryaduta Hotel with various important agenda.

I would like to express my appreciation to the presenters who are coming from the universities in Indonesia, Czech Republic (Czech University of Life Science Prague),



Chongqing, China (Southwest University), Malaysia (University Putra Malaysia & Universiti Sains Malaysia), Turkey (Ondokuz Mayıs University), Denmark (University of Copenhagen), Norway (Norwegian Institute of Bioeconomic Research (NIBIO)), Wildlife Conservation Society, Wilmar Group Indonesia, Indonesia Institute of Science (LIPI), Research Centre of PT Bumitama Guna Jaya Agro, PT Great Giant Pineapple and Laboratory of Biomolecular of PT Socfin Indonesia. You deserve it and I think we would all agree that the quality of the presentations and the papers for this conference have been of a very high standard.

I hope you will have a pleasant post-conference tour and journey to your home countries. I look forward to seeing you on the Third ICAEFS 2019.

My personal respect and thanks goes out to all of you,

Chair of the Organizing Committee of ICAEFS 2017  
Dr. Ir. Tavi Supriana, MS





