

EXPERT'S PROFILE

Name of Grantee : **Dr. HOMER C. GENUINO**
Area of Expertise : chemical engineering, chemistry
Inclusive Date of Contract : Short-Term Program
as BSP Awardee : 04 – 15 December 2017 (12 days)
03 January – 02 February 2018 (31 days)
Host Institution : Pampanga State Agricultural University (PSAU)
E-mail Address : h.c.genuino@rug.nl



EDUCATIONAL BACKGROUND

- **Ph.D. Chemistry** (Inorganic Chemistry), 2013, University of Connecticut, USA
- **MS Chemistry** (Analytical and Environmental), 2008, UP Diliman
- **BS Chemistry**, 2003, University of the City of Manila

WORK EXPERIENCES

- 2017 - Present **University of Groningen, The Netherlands**
Research Associate
- 2013 –2017 **Utrecht University, The Netherlands**
Postdoctoral Research Fellow
- 2010 – 2012 **University of Connecticut, Storrs, USA**
Research Assistant
- 2008 – 2010 **University of Connecticut, Storrs, USA**
Teaching Assistant
- 2004 – 2008 **UP Diliman**
Lecture and Laboratory Instructor

To be accomplished as a BSP Awardee

PSAU

1. Assist in the implementation and provide expert advice in the PCIEERD IDP-funded project titled "*Establishment of a PSAU Bioenergy Laboratory*"
2. Conduct 4 public lectures/seminars on the following topics:
 - Vision of the Philippines bio-based economy: fuels and high value chemicals from biomass
 - Lignocellulosic biofuels and biochemical production via catalytic thermolysis
 - Development of heterogenous catalysts for fast pyrolysis of lignocellulosic biomass
 - Monomers from lignocellulose and carbohydrates and their use in the polymer industry

3. Assist at least three (3) faculty members in the supervision of undergraduate and graduate students/advises doing their thesis.
4. Assist at least three (3) students/advises in writing/editing/revising manuscripts as well as abstracts for submission to conference, and assist in making posters and ppt. presentations (oral).
5. Draft at least two (2) collaborative proposals focusing on bioenergy with a faculty member for potential submission to DOST or other funding agencies.
6. Serve as external reviewer of the PSAU Research Journal. He will review at least 5 papers that are related to his field of specialization.
7. Assist in the creation of science-based guidelines, which could be adopted by the target beneficiaries and other stakeholders
8. Contribute BSP accomplishments to PSU's website a social media accounts