

## Advanced Research Scholar – Grants-related

### Ivan Henderson Gue

De La Salle University



**Philippine University**  
**Field of Study:**  
**Research Period**  
**US University**  
**US Professor**  
**Research Title**

*De La Salle University*  
*Mechanical Engineering*  
*April 2017 – October 2017*  
*University of Arizona*  
*Dr. Joel Cuello*  
*Design of a Cost-Effective Microalgae Drying System*

#### **Describe your research conducted in the US.**

Current drying technologies in the algal industry is limited to traditional sun drying. The technique, although cost-effective, is tedious and is time-consuming. Our research in the University of Arizona, therefore, focuses on the development of a cost-effective dryer that consumes less time and is comparatively more efficient than traditional techniques.

#### **What was the highlight of your research in the US?**

The research done in the US has provided me an avenue to obtain different perspectives in algal research. This is brought mainly by the mix expertise in our research group.

#### **In what way has the USAID scholarship changed you?**

The USAID scholarship has let me observe the global stage of academic research. The scholarship was able to let me meet researchers around the world.

#### **How would you use the knowledge and skills gained through your research to contribute or influence economic growth in the country?**

The main skill I believe I learned from my host professor is on how to generate designs specific to the needs of the industry. This skill, I believe, can help our research group in the Philippines in the development of innovative designs and solutions that can help the industry.

#### **As a young scientist, what do you envision for the Philippine science, technology and innovation ecosystem in the next 10 years?**

From my perspective, the scientific leaders in the Philippines have been developing solutions for the enhancement of the country's scientific endeavors. With the great heave they have been bringing, I think that for the next ten years, scientific careers in the Philippines will increase and opportunities for young Filipino scientists will rise.

*After returning to the Philippines, Ivan plans to pursue a PhD degree.*

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