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## **2019 Edition Asian Scientist 100 lists DOST-ITDI's Torres, Paglicawan**

6 other Pinoy researchers in list

In an early March 2019 article of the Asian Scientist Magazine, it announced that 2019 has a new list of 100 scientists who are outstanding in their fields.

Dr. Juliana Chan, founder and editor-in-chief of Asian Scientist Magazine and a Young Global Leader of the World Economic Forum herself, announced the names that qualified for inclusion in the 2019 Edition of the Asian Scientist 100. Asian Scientist 100 listed its first 100 scientists in 2016.

Gathered from diverse disciplines that covered from materials science to molecular biology and particle physics, the list named representatives from China, India, Japan, Malaysia, Singapore, South Korea, the Philippines, Taiwan, Thailand, and Vietnam.

These include 17 in Life Sciences, 15 in Biomedical Science, 12 in Engineering, 12 in Materials Science, 9 in Leadership, 8 in Chemistry, 8 in Environmental Sciences and Geology, 7 in Agriculture, 7 in Mathematics, and 5 in Physics.

At DOST, Drs. Rosalinda C. Torres and Marissa A. Paglicawan, both of the Industrial; Technology Development Institute, are joined by six others from the Philippines.



**Rosalinda C. Torres**



**Marissa A. Paglicawan**

Torres, who is Scientist I and Chief of the Standards and Testing Division, qualified under Chemistry for her research on the larvicidal ability of Philippine medicinal plants. Paglicawan, also Scientist I and Head of the Advanced Materials Section at the Materials Science Division, qualified

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under Materials Science for her research on turning Manila hemp or abaca into an engineering material.

Japanese researchers dominate both disciplines.

Others from the Philippines are Artemio Salazar of the University of the Philippines (UP) Los Baños for Agriculture; Rody Sy of UP Manila for Biomedical Science; Ricardo Balog of the University of Sto. Tomas and Elmer Dadios of De La Salle University for Engineering; Gay Jane Perez of UP Diliman for Environmental Sciences and Geology; and Charissa Marcaida Ferrera of UP Diliman for Life Sciences.

These “100 outstanding thinkers and innovators from Asia who are pushing the envelope with their research” are making Asia the striking center of radical research and development efforts.

The Asia Scientist Magazine reports that this is so because Asia currently supplies the world a quarter of its publications written by Asians now numbering a third of all scientific researchers worldwide. It added that the 2010 U.S. National Science Foundation Key Science and Engineering Indicators reported that these represented a shift in the world’s scientific research center of gravity to Asia.

Furthermore, it cited the Science and Engineering Indicators 2012 released by the US National Science Board, which recorded that, the largest global science and technology gains in recent years occurred in “Asia-10” which consists of China, India, Indonesia, Japan, Malaysia, Philippines, Singapore, South Korea, Taiwan, and Thailand.

In comparison, US’ share in global R&D efforts between 1999 and 2009 dropped from 38 to 31 percent; Asia’s share grew from 24 to 35 percent during that period.

For the full list of scientists featured in the Asian Scientist 100 (2019 edition) please refer to the Asian Scientist Magazine.

The Asian Scientist Magazine is an award-winning science and technology magazine that highlights research and development news stories from Asia to a global audience. The magazine covers science, medical and technology news updates from the Asia and Australasia regions. (AMGuevarra\ ITDI S&T Media Service)

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