

NAST declares 89 winners of 2019 IPA **ITDI rakes in 19 wins**



ITDI Director Dr. Anabelle V. Briones (*middle*) receives the award for 2019 **Best Institute for Highest Number of Utility Model Registration** from NAST Executive Director Luningning Samarita (*left*) and National Scientist Lourdes J. Cruz

The National Academy of Science and Technology (DOST-NAST) declared 89 winners of the 2019 Intellectual Property Awards or IPA held on December 10, 2019 in Quezon City.

First awarded in 2013, the IP Awards aim to revert back to DOST researchers their efforts to gain international acceptance and recognition of Filipino work and ingenuity.

NAST divided IPA into two categories, namely, the International Publication Award and the Granted Patent/ Utility Model Registration Award. The former is further divided into studies published in referred journals and indexed either in Clarivate Analytics for impact factor or Scopus for cite score.

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ITDI, for itself, raked in 19 wins in both IPA categories as well as being awarded as the 2019 Best Institute for Highest Number of Utility Model Registrations together with FNRI; PNRI cupped the 2019 Best Institute for Highest Number of International Publications Award.

In terms of number of studies published in international publications, ITDI came in third after PNRI and FNRI, which came in first and second, respectively. It was cited for having published its research studies in 12 international publications broken down into 4 journals and 8 conference proceedings. Other winners for the IP Award include: PNRI with 21 wins; FNRI – 17; ASTI - 8; PTRI – 7; FPRDI – 4; and 1 each for PHIVOLCS, PAGASA, and DOST XI.

For the Highest Number of Utility Model Registrations Award, there were only three contenders. ITDI was able to register seven Utility Models (UMs) alongside FNRI with MIRDC getting three.

Below is the complete list of winners from ITDI:

2019 International Publication Award

- Referred Journals

1. Comparative Antibacterial Activity of Commercial Chitosan and Chitosan Extracted from *Auricularia* sp. (by Ursela G. Bigol, John Paul Matthew D. Guzman, Angela Kae T. Chang, Ronaldo R. Frias, Jr., and Lourdes V. Alvarez) *Biocatalysis and Agricultural Biotechnology* 17: 189-195, 2019
2. Nanobubbles from Ethanol-Water Mixture: Generation and Solute Effects via Solvent Replacement Method (by Blessie A. Basilia and Jeremiah C. Millare) *Chemistry Select* 3(32): 9268-9275, 2018
3. Dispersion and Electrokinetics of Scattered Objects in Ethanol-water Mixtures (by Blessie A. Basilia, Jeremiah C. Millare) *Fluid Phase Equilibria* 481(): 44-54, 2018
4. Controlling the Adsorption Spectra of Gold Nanoparticles Synthesized via Green Synthesis Using Brown Seaweed (*Sargassum crassifolium*) Extract (by Blessie A. Basilia and Mar Christian O. Que) *Key Engineering Materials* 772(): 78-82, 2018

- Conference Proceedings

1. Fabrication and Characterization of Electrospun Polysulfone (PSf) / Halloysite (HAL) Nanocomposite Membrane (by Blessie A. Basilia, Ruth R. Aquino, Marvin S. Tolentino, Jeremiah C. Millare, Clarisse D. Balboa, and Christine Julia B. Castro) *Materials Science Forum* 934(): 55-60, 2018
2. Preparation of Cellulose Acetate Blended with Chitosan Nanostructured Membrane Via Electrospinning for Cd²⁺ Adsorption in Artificial Wastewater (by Blessie A. Basilia, Ruth R. Aquino, Marvin S. Tolentino, Sydney Cate S. Amen, Mary Anne V. Arceo, and Mary

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- Elaine S. Dolojan) *IOP Conference Series: Earth and Environmental Science* 191(012137), 2018
3. Synthesis and Characterization of Polysulfone (PSU)/Philippine Halloysite (PH-HAL) Nanostructured Membrane via Electrospinning (by Blessie A. Basilia, Ruth R. Aquino, Marvin S. Tolentino, Niel Karl G. Arcamo, and John Patrick N. Gara) *MATEC Web of Conferences* 2261236X 213(03001), 2018
 4. Adsorptive Removal of Lead (Pb²⁺) Ion from Water using Cellulose Acetate/polycaprolactone Reinforced Nanostructured Membrane (by Blessie A. Basilia, Ruth R. Aquino, Marvin S. Tolentino, Raphael Michael Philippe D. Elacion, Roberto Ladrillo, and Toni Rose C. Laurenciana) *IOP Conference Series: Earth and Environmental Science* 191(012139), 2018
 5. Thermolytic Growth of Zinc Sulfide Quantum Dots in Ethylene-vinyl Acetate Matrix Utilizing Zinc Pyrrolidinedithiocarbamate (by Mar Christian O. Que, Persia Ada N. de Yro, and Blessie A. Basilia) *AIP Conference Proceedings* 2083(020006), 2019
 6. Surface Modification of Abaca Fibers by Permanganate and Alkaline Treatment Via Factorial Design (by Persia Ada N. de Yro) *AIP Conference Proceedings* 772(2083), 2019
 7. Hydrothermal synthesis of carbon quantum dots from biowaste for bio-imaging (by Persia Ada N. de Yro, Gerald Mari O. Quaichon, Roland Andrew T. Cruz, Carlo S. Emolaga, Mar Christian O. Que) *AIP Conference Proceedings* 2083(020007), 2019
 8. Facile Synthesis of Nitrogen-doped Carbon Quantum Dots for Bio-imaging (by Persia Ada N. de Yro, Beejay A. Salon, and Blessie A. Basilia) *MATEC Web of Conferences* 43(04002), 2016

2019 Granted Patent/ Utility Model Registration Award

1. Method for making spray-dried blood food product (by Maria Patricia V. Azanza, Ma. Dolor L. Villaseñor, Joanna Marie C. Magora, Carinna T Saldaña, and Valerie Fay A. Remorasa) 2-2017-050217
2. Process for producing flavoured or unflavoured edible oil infused with *Capsicum frutescen*, "Siling Labuyo" (by Maria Patricia V. Azanza, Ma. Dolor L. Villaseñor, Joanna Marie C. Magora, Anna Patricia R. Condemilicor, and Rommel M. Belandres) 2-2016-000861
3. Method for making spray dried microencapsulated cucumber (by Maria Patricia V. Azanza, Ma. Dolor L. Villaseñor, Joanna Marie C. Magora, Carinna T. Saldaña, and Oliver C. Evangelista) 2-2016-000857
4. Method for making food-grade bile from ruminant livestock with improved shelf life (by Maria Patricia V. Azanza, Ma. Dolor L. Villaseñor, Joanna Marie C. Magora, and Carinna T. Saldaña) 2-2017-050220
5. An aerobic sequencing batch reactor (by Myra L. Tansengco, David L. Herrera, Judith C. Tejano, and Jose Ricky E. Beraye) 2-2016-000119

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6. Process for the preparation of chitosan-calcium carbonate composite (by Emelda A. Ongo, Candy S. Valdecanas, and Bernard M. Gutierrez) 2-2016-000036
7. Chitosan-calcium carbonate composite for oil spill remediation (by Emelda A. Ongo, Candy S. Valdecanas, and Bernard M. Gutierrez) 2-2016-000037

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