



PROJECT
NexCities
Water-Energy-Nutrient Nexus
in Cities of the Future

Fertilizer from wastewater project bags prize in Philippine Water Challenge

A TEAM OF RESEARCHERS FROM DE LA SALLE UNIVERSITY AND DE LA SALLE ARANETA UNIVERSITY PLACED SECOND IN THE PHILIPPINE WATER CHALLENGE (PHLWC) FOR PROJECT NEXCITIES (WATER ENERGY NUTRIENT NEXUS IN CITIES OF THE FUTURE): WASTEWATER TO FERTILIZER. THE AWARDING CEREMONY WAS HELD LAST DECEMBER 14 AT THE MAKATI DIAMOND HOTEL.

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Project NexCities is an initiative that aims to demonstrate how fertilizer can be produced from septic tank wastewater and be used in agriculture.

The DLSU faculty members are Prof. Michael Promentilla, Dr. Aileen Orbecido, and Dr. Arnel Beltran of the Department of Chemical Engineering, and Dr. Emmanuel Garcia, director of the DLSU Food and Water Institute and full-time faculty member of the Department of Chemistry.

Maria Eda Apple Suplido, Executive Director of DLSAU-Agrivet Sciences Institute, is the main proponent for the project. She is joined by her group composed of Elma Pulgarinas, Elmer Montebon, Emmie Marie Rosales, and Rey Arniel Japay.

MS Chemical Engineering student Regina Damalerio, Science Research Specialist and MS Environmental Engineering graduate Engr. Alberto Longos, and University of Surrey PhD student Engr. Carla Mae Pausta are also part of the award-winning group.

Aside from DLSU and DLSAU, Project NexCities partnered with University of Surrey and the Society for the Conservation of Philippine Wetlands.

The Water – Energy – Nutrient Nexus for Future Cities concept identifies the factors involved in efficient energy and resource wastewater management to improve water resources, enhance water quality, develop sustainable food production, and create positive social impact.

The project aims to contribute to the achievement of the United Nations Sustainable Development Goal (UN SDG) No. 6 “Clean Water and Sanitation” and No. 11 “Sustainable Cities and Communities.”

For the PhIWC, the researchers submitted a small-scale (< 1000 households) solution for community access to safe sanitation facilities (Theme No. 2). According to them, over two billion people have no or limited access to sanitation and more than two-thirds of these unserved people are also found in the rural communities.

The team added that many areas in the country use septic tank systems, with most of the sewage being discharged without proper treatment. This contributes to “nutrient pollution” to water bodies and the poorly designed or maintained septic tanks may also result in an increased incidence of waterborne diseases.

“Our innovative approach to solve the underlying problems is to rethink the sanitation system as a resource-oriented system to reduce cost burden and losses of nutrients relative to existing sanitation systems in the Philippines. The main product from the resource recovery is a recovered phosphate fertilizer which can be used by our farmers for crop cultivation or by social enterprises to promote circular bioeconomy,” says Promentilla.

Organized by the USAID Safe Water Project, the PhIWC is a platform to promote innovations, support improvements, and scale-up the application of such innovations. The team received P100,000 partnership fund and five mentorship package sessions.



Surface water oil-collecting robot wins awards

A RESEARCH GROUP OF MANUFACTURING ENGINEERING AND MANAGEMENT (MEM) STUDENTS OF THE GOKONGWEI COLLEGE OF ENGINEERING WON PRESTIGIOUS AWARDS IN TWO DIFFERENT EVENTS.

Team Float-E won and received the “Young Investigators Award (YIA)” during the 5th Philippine Solid & Hazardous Waste Management (PSHWM) conference in conjunction with the 2nd International Conference on Circular Economy-based Waste Management (CE-WM) held last December 2-3.

Members of the winning team included MEM students Janella Marie Cu, Anthony Kaplan, Elijah Salvart Lizares, Melonny Pearl Mendoza, and Cyreen Elyza Ramos, with Dr. Renann Baldovino as adviser.

The conference aimed to encourage international communication, collaboration, and networking to advance knowledge and promote values, attitudes, commitment, and skills needed to address emerging issues on waste management and protection of the environment. The event was attended by various national and international technical experts and policy makers in the field of solid and hazardous waste management.

Team Float-E was also declared as the overall champion in the Philippine Association of Engineering Schools (PAES) Student Engineering Design Contest for their entry, “Float-E: Surface Water Oil-Collecting Robot”. The award was presented during the PAES conference held last December 3-4.



Professors receive NRCP Achievement Award



LUCAS

PENALOZA

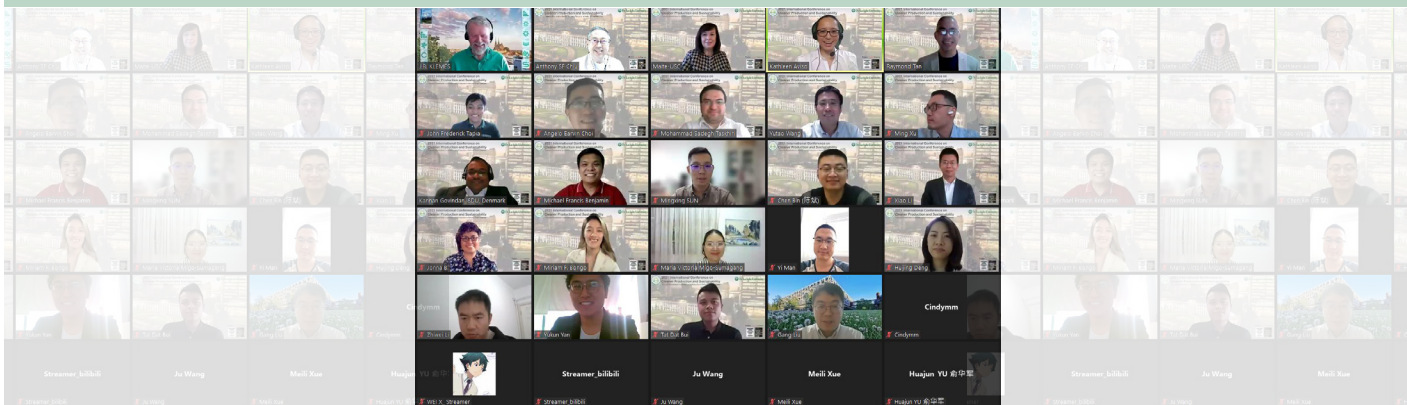
TWO PROFESSORS FROM DE LA SALLE UNIVERSITY ARE RECIPIENTS OF THE NATIONAL RESEARCH COUNCIL OF THE PHILIPPINES (NRCP) ACHIEVEMENT AWARDS, WHICH ARE GIVEN TO SOME OF THE MOST OUTSTANDING SCIENTISTS AND RESEARCHERS IN THE COUNTRY.

Dr. David Penaloza, Jr., graduate program coordinator and full professor of the Department of Chemistry, won the NRCP 2021 Achievement Award, Division of Chemical Sciences. He is holder of the DLSU Research Fellowship from 2021 to 2023.

He has made significant contributions in the study of polymeric materials. He has more than 50 original scientific articles, serves as a reviewer in several Scopus- and Web of Science-indexed journals, and has organized several technical lectures and conferences to promote polymer science in the country.

Dr. Rochelle Irene Lucas, full professor and chair of the Br. Andrew Gonzalez FSC College of Education's Department of English and Applied Linguistics, won the NRCP 2021 Achievement Award, Division of Governmental, Educational, and International Policies.

She has published, presented and conducted research on psycholinguistics, bilingualism, language learning in children, motivation, alternative assessment, and language documentation. She has completed an NRCP research project on the language preservation of Hanunoo Mangyan through the development of an e-dictionary app.



DLSU co-organizes world conference on cleaner production and sustainability

DLSU GOKONGWEI COLLEGE OF ENGINEERING (GCOE) CO-ORGANIZED WITH FUDAN UNIVERSITY IN SHANGHAI, CHINA THE 3RD INTERNATIONAL CONFERENCE ON CLEANER PRODUCTION AND SUSTAINABILITY (CPS2021), HELD ONLINE AND VIEWED BY NEARLY 3,000 PARTICIPANTS LAST DECEMBER 12-13.

Chairing the conference was Prof. Anthony SF Chiu, University Fellow and faculty member of the Department of Industrial and Systems Engineering. Prof. Kathleen Aviso, GCOE dean and University Fellow, and Prof. Yutao Wang, Journal of Cleaner Production [Impact Factor 9.297] editor-in-chief, also co-chaired the event.

DLSU Vice Chancellor for Research and Innovation Prof. Raymond Tan delivered the welcome address as well as a lecture during the Climate Change Roundtable Discussion.

The conference was held first in Barcelona and then in Hong Kong and led by the organizers who are editors of the Journal of Cleaner Production.

Resources, Conservation, and Recycling Journal [impact factor 10.204] also joined the conference, wherein the four editors-in-chief delivered the keynotes. The conference featured 124 selected technical papers, an editorial panel discussion composed of five leading editors, and a COP26 post-Glasgow climate change roundtable discussion composed of six eminent speakers.

The two-day event covered 16 technical sessions, mostly chaired by DLSU faculty members and alumni. Some DLSU faculty members also served as guest editors of the Virtual Special Issue (VSI) of the two sponsoring Elsevier journals, i.e. JCLP and Cleaner and Responsible Consumption (CLRC).

Outstanding Paper Awards for Input-Output Analysis



GUE



Conference on Cleaner Production and Sustainability

TWO ARTICLES FROM THE DLSU GOKONGWEI COLLEGE OF ENGINEERING received recognition for outstanding paper award in separate international conferences held recently.

At the 3rd International Conference on Cleaner Production and Sustainability (CPS2021) held last December 12-13, the paper “Macroeconomic View of Circular Economy in the Philippines through an Input-Output Analysis” was one of the six Outstanding Paper Awards.

The article was authored by Department of Mechanical Engineering Vice Chair and faculty member Dr. Ivan Henderson Gue, with Prof. Raymond Tan of the Department of Chemical Engineering, Prof. Anthony Chiu of the Department of Industrial and Systems Engineering, and Prof. Aristotle Ubando of Mechanical Engineering. Gue was earlier awarded the best presenter at the 7th International

Conference on Low Carbon Asia & Beyond (ICLCA) for his work entitled “Rough Set-based Model of Waste Management System towards Circular City Economies”. The paper was co-authored by Dr. Neil Stephen Lopez, Chiu, Ubando, and Tan.

ICLCA is a yearly conference with a high-impact platform bringing together researchers and multi-stakeholders from academic, government and industries. ICLCA '21 addressed the various challenges outlined in the UN Sustainable Development Goals (SDGs).

La Salle cited for Outstanding Library Program of the Year



DLSU LIBRARIES RECEIVED THE 2021 PHILIPPINE ASSOCIATION OF ACADEMIC/RESEARCH LIBRARIES, INC. (PAARL) OUTSTANDING LIBRARY PROGRAM OF THE YEAR AWARD, given this January 28 at PAARL's Virtual Annual General Assembly and Induction/Awards Ceremonies.

The award is given to an academic or research library in recognition of its outstanding library program that contributes to Philippine academic librarianship and library development in the Philippines.

[IamInfoSMART](#) is DLSU Libraries' annual information literacy campaign going on its 10th year this 2022. It aims to make every Lasallian information literate and become an independent lifelong learner. In a span of 9 years, it has evolved from a library program into an advocacy that encompasses community engagement and outreach to also empower learners and librarians from other sectors outside of DLSU.

The program is spearheaded by librarians and library staff, together with DLSU academic units and external partners.

PAARL is an association of librarians working in academic and research libraries that support scholarly research and formal education at the tertiary level, and upholds the profession of academic librarianship in the country (PAARL, 2021).

DLSU Libraries won its first outstanding program award in 2016, with its Human Library Program. Its members have also won individual awards from PAARL.

A black and white portrait of Dr. F. Sionil José, an elderly man with a gentle expression, wearing a dark beret and a patterned shirt. The background is dark and out of focus.

The Last Jedi

IN MEMORIAM: DR. F. SIONIL JOSÉ (DECEMBER 3, 1924-JANUARY 6, 2022)

PHOTO FROM THE SOLIDARIDAD PUBLISHING HOUSE

Dr. Francisco Sionil José was a Visiting Professor at De La Salle University Department of Literature where he taught Philippine fiction and creative writing. He was conferred an honoris causa, the Doctor of Philosophy in Humane Letters, by DLSU in 1995.

Dr. José is known for his magnum opus, the Rosales Saga, comprising five novels—Poon, Tree, My Brother, My Executioner, The Pretenders, and Mass. Significant also are his other novels such as Gagamba, Sin, Viajero, and Ermita; his short stories in collections such as The God Stealer and Other Stories, Waywaya, and Platinum; and his essays in Why We are Poor and This I Believe: Gleanings from a Life in Literature. Aside from the Order of the National Artist (2001), he was honored with manifold international awards, including The Pablo Neruda Centennial Award (2004), The Order of Sacred Treasure from the Emperor of Japan (2001), Chevalier dans l'Ordre des Arts et Lettres (2000), and the Ramon Magsaysay Award for Journalism, Literature and Creative Communication Arts (1980).

The French philosopher Simone Weil believed that only two things pierce the heart—beauty and affliction. Dr. José's work possesses both: they are stories of pain recounted in beauty. Of intricate design and intellectual magnitude, his fictions are judicious meditations on human sufferings and forthright exposés of the cancers lurking in the backstreets of our society. They serve as witnesses to the wounds of our history, from colonial oppressions to agrarian unrests, and repressive rules and class struggles to natural adversities. These stories, nonetheless, are testimonies of our people's claim to survival, and of resistance against annihilation and oblivion.

Dr. José's novels Ermita, The Pretenders, Mass, and My Brother, My Executioner have been among the required texts for Lasallian Core Curriculum literature courses. Through the readings, our students have formed sentiment-laden bonds with Dr. José's unforgettable characters, such as the hauntingly brilliant but conflicted Tony Samson or the tormented Luis Asperri. Truly, his fictions are some of the most heart-rending Filipino masterworks, their disquieting power on par with that of José Rizal's Noli Me Tangere or Carlos Bulosan's America is in

the Heart. His graduate class in Ilocano literature included a road trip to his beloved hometown Rosales in Pangasinan. The students were struck by the wild splendor of Lingayen Gulf and regaled by his merry anecdotes of childhood jaunts, like catching crabs in rice fields.

The F. Sionil José Museum, located at DLSU Libraries, houses the mementoes of the seven ages of Dr. José's magnificent writerly life. Museums and archives are there to remind us of the vital roles of art, writing, and cultural artefacts in the formation of our national ideoscape. We recall that once upon a time we were navigators who ventured into the deepest seas in search of adventures and bartered for tales of marvel in the farthest shores. Today, in our own University, we see the enshrinement of such priceless narratives, fragments of a writer's toils and joys yet representing the grandeur of Philippine literary and cultural empire. Prior to the pandemic, regular conversations on Philippine history and the craft of writing were held at the museum, with students and lovers of literature sitting at the feet of their Rabbi Dr. José.

Dr. José was also a shop owner, publisher, and leader of the cultural community. He founded Solidaridad Bookshop, a quaint, delightful cubbyhole in Ermita which became a sanctuary for writers and intellectuals to break bread and swap political tsismis over the best vodka from Manong Frankie's wine cellar; Solidaridad Publishing House, which produced the Solidarity journal and the Asian PEN Anthologies; and Solidaridad Art Gallery, which held cutting-edge exhibitions and seminars on Asian art and culture. He established the Philippine Center of International PEN (Poets, Playwrights, Essayists, Novelists) in 1958; this writers' organization holds high the banner of free speech as it advocates for a healthier climate of democratic exchange and dissent.

The last intellectual Jedi of his era, Dr. F. Sionil José would be fondly remembered for his passion for the word, his zest for all sorts of escapades, and his staunch belief in humanity's true grit.

SOURCE: College of Liberal Arts, Help Desk Announcement

“ God has chosen you to make him known to others. ”

De La Salle

Med 146.2 - on St Anne, mother of the Most Blessed Virgin

F. Sionil José books and collections

1,031

Books currently housed at the F. Sionil Jose Collection Room at The Learning Commons

6

Sessions of "Dialogue with F. Sionil Jose" where Manong Frankie talked about literary criticisms, held at The Learning Commons; launched in 2016

1965

Opening year of the Solidaridad Publishing House, a bookshop by the José family in Ermita, Manila

100

Books personally recommended by F. Sionil Jose that are included in the collection

4

Sessions of "Conversations with F. Sionil Jose" where Manong Frankie engaged the youth in conversations with notable personalities, held at The Learning Commons; launched in 2019

28

Different languages his novels and short stories have been translated to



SOURCE: De La Salle University Libraries



2401 (tweñ'te för',o, wun) is a landmark number along Taft Avenue. It is the location ID of De La Salle University, home to outstanding faculty and students, and birthplace of luminaries in business, public service, education, the arts, and science. And 2401 is the name of the official newsletter of DLSU, featuring developments and stories of interest about the University.

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