

**The Lord is
like a strong
tower, where
the righteous
can go and
be safe.**

Proverbs 18:10

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DIYARYO KABITENYO

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**Be alert,
stand firm
in the faith,
be brave, be
strong.**

1 Corinthians 16:13

Right-of-way for LRT-1 Cavite Extension cleared for Las Piñas station



The Light Rail Transit Authority has secured 4,465 square meters of land for the construction of the LRT-1 Las Piñas station, the Department of Transportation said on Sept. 10.

The land parcels were donated by the Villars to help speed up the construction of the LRT-1 Cavite Extension Project and bring

rail service closer to southern Metro Manila and Cavite.

The donation was described as a major help for commuters in Las Piñas and Cavite by easing their daily travel.

According to LRTA Administrator Hernando Cabrera, the donation would also allow the government to save a significant amount of

public funds.

More importantly, the land would help move the project forward and allow the station to be completed sooner.

The donated lands account for nearly half of the 8,389 square meters needed to build both the Las Piñas and Zapote stations, DOTr previously said. The donation marked the

end of construction hurdles for the station after the government and the Villars agreed on the conditions set by the DOTr.

“Once completed, the LRT-1 Cavite Extension Project is expected to service an additional 300,000 passengers daily, reducing travel time from Baclaran in

Turn to page 2

Megawide invests P3 billion in Cavite precast plant



Engineering and infrastructure company shows strong interest in supporting Megawide Construction Corp. is investing P3 billion to develop a new precast facility in Cavite that will more than double its production capacity.

“For us to be able to increase our capacity, we have to build our precast manufacturing. So the more we can build that, then we can increase our capacity,” Megawide chairman and CEO Edgar Saavedra said.

“We are looking to expand to another precast facility in Cavite that can add 15,000 units annual precast production capacity comes as the

company shows strong interest in supporting the government’s Pambansang Pabahay Para sa Pilipino (4PH) program, with a long-term goal of launching 100,000 units.

Megawide chief financial officer Jez Dela Cruz said the company could produce 10,000 units annually using its existing factory in Taytay, Rizal.

“We are looking to expand to another precast facility in Cavite that can add 15,000 units annual precast production capacity comes as the

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DIYARYO
KABITENYO

News Publishing Service

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ARNULFO BARCO

(May 14, 1951 - September 2, 2024)
Founder

GENER BARCO

Publisher-Editor

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(RIGHT...from page 1)

Parañaque to Bacoor in train during a rainy day in August, affecting commuters. The ACU drain had failed earlier than its usual five-year lifespan, LRMC had said.

The Light Rail Manila Corp. (LRMC) also has completed the necessary fixes and upgrades to keep LRT-1 train services operating even during extreme weather.

According to the LRMC, the infrastructure works were needed to improve the railway's reliability and safety.

The repairs included replacing

an air conditioning unit drain that caused a water leak inside a

train during a rainy day in August, affecting commuters. The ACU drain had failed earlier than its usual five-year lifespan, LRMC had said.

LRMC also reopened two pedestrian interconnections at the Baclaran Station, one of the busiest stops of LRT-1, to improve access to commercial centers and street level.

Based on LRMC data, LRT-1 maintained its near-400,000 daily passenger traffic despite multiple class and

work suspensions in August.

The LRT-1 carried an average of 376,000 passengers daily in

Study reveals how "Death-Resistant" cells repair damaged tissue

Scientists have uncovered a cellular survival mechanism that aids severely damaged tissue in regenerating and may explain why some cancers recur after treatment. While the phenomenon of compensatory proliferation—the ability of tissues like skin and organ linings to rebuild after extensive damage—has been documented since the 1970s, the exact molecular triggers remained a mystery until researchers at the Weizmann Institute of Science identified a surprising role for caspases, enzymes typically associated with cell death. Published in *Nature Communications*, the study reveals that instead of solely promoting cell death, caspases can help certain cells become resistant to destruction, allowing them to rebuild tissue or potentially enabling cancer cells to withstand treatment. The research team,

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(MEGAWIDE...from page 1)

you're looking at 25,000 housing units that we can produce in our combined Taytay and future Cavite factory," he said.

Dela Cruz said the P3 billion investment for the new precast plant in Cavite would cover land acquisition, equipment and overall capital improvements for the factory.

He said the company hoped to begin operations at the Cavite

factory in the second half of 2027.

"We're expanding our precast facility because the backbone of this 4PH is the precast methodology. Because of that, we can scale up the project while maintaining the consistency and quality," he said.

Megawide uses advanced precast construction technology to achieve easier

standardization, faster

construction and lower costs while maintaining improved designs and high-quality finishes.

In December last year, Megawide entered into an investment and partnership agreement with the Home Development Mutual Fund (HDMF), more popularly known as Pag-IBIG, to speed up the government's expanded 4PH program.

The agreement includes HDMF's

participation as an investor in the 4PH housing projects through a subscription to perpetual preferred shares issued by Megawide Dreamrise Residences Inc. amounting to P10 billion, payable in three tranches.

The funds will be used to deliver at least 7,000 housing units at affordable packages over the next two to three years.

August, close to the 2025 average of 397,129.

LRMC president and CEO Enrico Benipayo said the operator remained focused on completing

"By acting swiftly

quick fixes to improve passenger comfort, adding that railways were among the most dependable modes of transportation during rainy days.

on feedback and continuously upgrading our protocols, we ensure that LRT-1 remains a safe and dependable mobility partner for every Filipino, even during severe weather,"

Benipayo said.

LRMC, a unit of Metro Pacific Investments, manages the LRT-1 through a P65-billion concession lasting 32 years from 2015.

REPUBLIC OF THE PHILIPPINES
FOURTH JUDICIAL REGION
REGIONAL TRIAL COURT
OFFICE OF THE CLERK OF COURT
TRECE MARTIRES CITY

BDO UNIBANK, INC.,
Mortgagee,

FORECLOSURE CASE NO. F-458-26

-versus-

MARIA FELISA BERCELES ABELON,
Debtor/Mortgagor

X-----X

NOTICE OF EXTRA-JUDICIAL SALE

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, **BDO UNIBANK, INC.**, with business address at 33rd Floor, BDO Corporate Center Ortigas, No. 12 ADB Avenue, Mandaluyong City against the Debtor/Mortgagor, **MARIA FELISA BERCELES ABELON**, represented by **Jennefer Abaniel Abelon** as Attorney-in-Fact, with postal addresses at (1) Lot 18, Block 4, Dijon Street, Marseilles Subdivision, Barangay Maharlika, Imus, Cavite (currently occupied) and (2) Lot 52, Block 2 Phase 7, Woodcress, Brgy. Tapia, Gen. Trias, Cavite (currently occupied), to satisfy the mortgage indebtedness which as of **May 29, 2026** amounts to **ONE MILLION FORTY FOUR THOUSAND NINE HUNDRED EIGHTY SIX PESOS and 82/100 (PhP1,044,986.82)** Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all other expenses incidental to this foreclosure and sale, the undersigned Sheriff will sell at public auction on **September 29, 2026** at 10:00 o'clock in the morning until 12:00 o'clock noon at the main entrance of the Government Center Building located at the Provincial Capitol Compound, Trece Martires City, to the highest bidder for **CASH** and in Philippine Currency, the following described property with all the improvements thereon, to wit:

TRANSFER CERTIFICATE OF TITLE No. 057-2022016657

Lot No. 52 Block: 2 Plan No. Pcs-04-032361
Portion of: Lots 1912 (FRS-04-005438); 1918 (RS-04-004387); 1913, 1914, 1895 (FRS-04- 006221); 3263, (FRS-04-006218) & 1915 SFDM Estate, LRC Record No. 5964, Decree No. 4270
Location: Barangay of Tapia, Municipality of General Trias, Province of Cavite, Island of Luzon

Boundaries:

LINE	DIRECTION	ADJOINING LOT(S)
1-2	NW	Road Lot 5, Block __, Pcs-04-032361
2-3	NE	Lot 51, Block 2, Pcs-04-032361
3-4	SE	__, Block 29, Pcs-04-032361
4-1	SW	Lot 53, Block 2, Pcs-04-032361

Area: FORTY (40) SQUARE METERS, more or less

All sealed bids must be submitted to the undersigned on the above-stated time and date.

In the event the public auction should not take place on the said date and time, it shall be held on **October 6, 2026** without further notice.

Prospective bidders/buyers are hereby enjoined to investigate for themselves the title to the said property and encumbrances thereon, if any there be.

Trece Martires City, August 28, 2026.

(Sgd.) **JOSELITO L. ARANDA**
Sheriff IV

Copy Furnished:

BDO UNIBANK, INC.
CONSUMER REMEDIAL MANAGEMENT
33rd Floor, BDO Corporate Center Ortigas
No. 12, ADB Avenue, Mandaluyong City

MS. MARIA FELISA B. ABELON
MS. JENNEFER A. ABELON

1. Lot 18, Block 4, Dijon Street, Marseilles Subdivision, Barangay Maharlika, Imus, Cavite
2. Lot 52, Block 2 Phase 7, Woodcress, Brgy. Tapia, Gen. Trias, Cavite

WARNING: It is absolutely prohibited to remove deface or destroy this Notice of Extra-Judicial Sale on or before the date of sale.

Publication : DIYARYO KABITENYO News Publishing Service
Dates : August 31, September 7 & 14, 2026

(STUDY...from page 2)

led by Dr. Tslil Braun in the laboratory of Prof. Eli Arama, investigated how these enzymes function beyond apoptosis, noting that while initiator caspases usually activate pathways that lead to cell destruction, they can also drive essential biological processes. "We set out to identify cells that push the self-destruct button but survive anyway," Braun explains.

"To do this, we used a delayed sensor that reported on cells in which the initiator caspase had been activated but that nevertheless survived the irradiation. This is how we discovered a population of cells we named DARE cells. Not only did these cells survive the irradiation - they multiplied, repaired the damaged tissue and replenished nearly half of it within 48 hours."

However, when researchers questioned the origin of the remaining repaired tissue, they identified a second group called NARE cells, which were death-resistant but had never activated their initiator caspase. "We identified another population of death-resistant cells, but unlike DARE cells, they showed no activation of the initiator caspase.

We called them NARE cells," Braun says. "Although NARE cells ultimately contribute to tissue regeneration, they cannot do it alone: When we removed DARE cells from the system, compensatory proliferation disappeared entirely.

We also found that dying cells in the tissue play a role in the burst of regeneration - DARE cells were activated by signals from their

dying neighbors." The study further detailed that while DARE cells initiate the death pathway, it stalls before executioner caspases can destroy the cell. "We observed that although the initiator caspase is activated in these cells, the cellular death process stops there and does not progress to the next stage," Arama explains. "We suspected that a protein known as a molecular motor was responsible for this - it can tether the initiator caspase to the cell membrane, preventing it from activating the executioner caspases.

Indeed, when we silenced this motor protein, DARE cells proceeded to die and tissue regeneration was impaired. Overactivation of the same motor protein has previously been linked to cancerous tumor growth, which suggests that this might be one of the mechanisms that enables cancer cells to evade apoptosis." This finding is critical because recurrent tumors often become

more aggressive after radiation therapy. Arama notes, "We wanted to understand whether resistance to death is inherited by the descendants of death-resistant cells that survived the initial irradiation."

The team found that when tissue is irradiated a second time, the number of dying cells drops significantly, with descendants of DARE cells proving "exceptionally resistant - seven times more resistant to cell death than cells in the original tissue.

This may help explain why recurrent tumors become more resistant after radiation." To prevent this rapid regeneration from turning into uncontrolled growth, the researchers discovered a balancing signaling system: "DARE cells promote the growth of nearby NARE cells, apparently by secreting growth signals," Arama notes. "In turn, NARE cells secrete signals that inhibit the growth of DARE cells.

REPUBLIC OF THE PHILIPPINES
FOURTH JUDICIAL REGION
REGIONAL TRIAL COURT
OFFICE OF THE CLERK OF COURT
TRECE MARTIRES CITY

PHILIPPINE NATIONAL BANK,
Mortgagee,

FORECLOSURE CASE NO. F-536-26

-versus-

SPS. J.P. M. ENRIQUEZ and
AYA EMMEI,
Debtors/Mortgagors.

x-----x

NOTICE OF EXTRA-JUDICIAL SALE

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by **PHILIPPINE NATIONAL BANK**, with business address at PNB Financial Center, Pres. Diosdado P. Macapagal Blvd., Pasay City against the Debtors/Mortgagors, **SPS. J.P. M. ENRIQUEZ and AYA EMMEI**, represented herein by their Attorney-in-Fact **Emil M. Enriquez**, with postal addresses at (1) Phase 8B, Block 22, Lot 5, Rose St., Grand Royale Subd., Brgy. Bulihan, Malolos, Bulacan and (2) Lot 11, Block 6, Brighton Phase 4, Brgy. Pasong Camachile, General Trias, Cavite, to satisfy the mortgage indebtedness which as of **May 31, 2026** amounts to **THREE MILLION ONE HUNDRED FIFTY NINE THOUSAND TWENTY FOUR PESOS and 59/100 (PhP3,159,024.59)**, Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all other expenses incidental to this foreclosure and sale, the undersigned Sheriff will sell at public auction on **September 29, 2026** at 10:00 o'clock in the morning until 12:00 o'clock noon at the main entrance of the Government Center Building located at the Provincial Capitol Compound, Trece Martires City, to the highest bidder for **CASH** and in Philippine Currency, the following described property with all the improvements thereon, to wit:

TRANSFER CERTIFICATE OF TITLE No. 057-2021041635

Lot No. 11 Block No. 6 Plan No. Pcs-04-032024
Portion of: Lot 1830, 1831, 1840, 1841, FRS-04-005699, Lot 1839 FRS-04-006068, all of SFDM Estate, Lot 1843-S, BSD-04-002119 (OLT) & Block 25, Pcs-04-031781, LRC Record No. 5964 Decree No. 4270
Location: Barangay of Tapia, Municipality of Gen. Trias, Province of Cavite, Island of Luzon
Boundaries:
LINE DIRECTION ADJOINING LOT(S)
1-2 NE Road Lot 17, Pcs-04-032024
2-3 SE Lot 10, Block 6, Pcs-04-032024
3-4 SW Lot 1843-E, BSD-04-002119 (OLT)
4-1 NW Lot 12, Block 6, Pcs-04-032024
Area: SIXTY (60) SQUARE METERS, more or less

All sealed bids must be submitted to the undersigned on the above-stated time and date.

In the event the public auction should not take place on the said date and time, it shall be held on **October 6, 2026** without further notice.

Prospective bidders/buyers are hereby enjoined to investigate for themselves the title to the said property and encumbrances thereon, if any there be.

Trece Martires City, August 28, 2026.

(Sgd.) RICARDO A. TOLEDO
Sheriff IV

Copy Furnished:

CONSTANTINO AND ASSOCIATES LAW OFFICE
Counsel for the Applicant
CALO Bldg., No. 12 Mapagkumbaba St., Sikatuna, Quezon City

SPS. J.P. M. ENRIQUEZ & AYA EMMEI
MR. EMIL M. ENRIQUEZ
(1) Phase 8B, Block 22, Lot 5, Rose St., Grand Royale Subd., Brgy. Bulihan, Malolos, Bulacan

(2) Lot 11, Block 6, Brighton Phase 4, Brgy. Pasong Camachile, General Trias, Cavite

WARNING: It is absolutely prohibited to remove deface or destroy this Notice of Extra-Judicial Sale on or before the date of sale.

Publication : DIYARYO KABITENYO News Publishing Service
Dates : August 31, September 7 & 14, 2026

REPUBLIC OF THE PHILIPPINES
FOURTH JUDICIAL REGION
REGIONAL TRIAL COURT
OFFICE OF THE CLERK OF COURT
TRECE MARTIRES CITY

BDO UNIBANK, INC.,
Mortgagee,

FORECLOSURE CASE NO. F-593-26

-versus-

SPS. MONA LANDRITO MORALINA AND
CHRISTOPHER ZABALA MORALINA,
Debtors/Mortgagors.

x-----x

NOTICE OF EXTRA-JUDICIAL SALE

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, **BDO UNIBANK, INC.**, with business address at 33rd Floor, BDO Corporate Center Ortigas, No. 12 ADB Avenue, Mandaluyong City against the Debtors/Mortgagors, **SPS. MONA LANDRITO MORALINA AND CHRISTOPHER ZABALA MORALINA**, with postal addresses at (1) #77 F. Manalo Street, Calzada, Tipas, Ligid, Taguig (occupied by third party); and (2) Lot 8 Blk 11 Camella Tanza, Barangay Bagtas, Tanza, Cavite (occupied by mortgagors), to satisfy the mortgage indebtedness which as of **June 26, 2026** amounts to **ONE MILLION THREE HUNDRED THIRTY SIX THOUSAND FOUR HUNDRED THIRTY FOUR PESOS AND 73/100 (PhP1,336,434.73)**, Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all other expenses incidental to this foreclosure and sale, the undersigned Sheriff will sell at public auction on **September 29, 2026** at 10:00 o'clock in the morning until 12:00 o'clock noon at the main entrance of the Government Center Building located at the Provincial Capitol Compound, Trece Martires City, to the highest bidder for CASH and in Philippine Currency, the following described property with all the improvements thereon, to wit:

TRANSFER CERTIFICATE OF TITLE No. 057-2018016019

Lot No. 8 Block: 11 Plan No. PSD-04-225971
Portion of: LOT 2501-F, PSD-04-166835; LRC RECORD NO. 6832
Location: BARANGAY OF BAGTAS, MUNICIPALITY OF TANZA, PROVINCE OF CAVITE, ISLAND OF LUZON
Boundaries:
LINE DIRECTION ADJOINING LOT(S)
1-2 SE ROAD LOT 10, PSD-04-225971
2-3 SW LOT 9, BLOCK 11, PSD-04-225971
3-4 NW RESERVED AREA 5, PSD-04-225971
4-1 NE LOT 7, BLOCK 11, PSD-04-225971
Area: FIFTY FOUR (54) SQ.M.

All sealed bids must be submitted to the undersigned on the above-stated time and date.

In the event the public auction should not take place on the said date and time, it shall be held on **October 6, 2026** without further notice.

Prospective bidders/buyers are hereby enjoined to investigate for themselves the title to the said property and encumbrances thereon, if any there be.

Trece Martires City, August 28, 2026.

(Sgd.) REYNALDO L. SALOMA
Sheriff IV

The microscopic discovery challenging a century of neuroscience

The brain's require a different kind microscopic wiring may of textbook illustration,

as some axons resemble extensions. strings of tiny pearls Related research rather than the smooth, has since documented narrow tubes commonly pearled axons in human drawn extending from brain tissue, extending nerve cells. These the observations beyond repeating bulges are mice and raising not simply decorative questions about how details; their shape the physical structure of appears to influence the brain's wiring helps how electrical messages regulate communication. travel. "Understanding the structure of axons Researchers at Johns Hopkins Medicine is important for brought this unexpected understanding brain cell architecture into focus in signaling," said Shigeki a study published online Watanabe, Ph.D., an in Nature Neuroscience associate professor on December 2, 2024, of cell biology and finding evidence in neuroscience at the Johns mouse neurons that Hopkins University a familiar picture of School of Medicine, brain cell anatomy in the university's may overlook an 2024 announcement. important feature of the "Axons are the cables cells' signal-carrying

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REPUBLIC OF THE PHILIPPINES
FOURTH JUDICIAL REGION
REGIONAL TRIAL COURT
OFFICE OF THE CLERK OF COURT
TRECE MARTIRES CITY

BDO UNIBANK, INC.,
Mortgagee,

FORECLOSURE CASE NO. F-652-26

-versus-

SPS. FRANCISCO R. MARIQUINA AND
MARITES M. MARIQUINA,
Debtors/Mortgagors.

X-----X

NOTICE OF EXTRA-JUDICIAL SALE

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, **BDO UNIBANK, INC.**, with business address at 33rd Floor, BDO Corporate Center Ortigas, No. 12 ADB Avenue, Mandaluyong City against the Debtors/Mortgagors, **MARITES M. MARIQUINA**, signing for herself and as Attorney-in-Fact of her spouse **FRANCISCO R. MARIQUINA** with postal addresses at (1) Lot 4 Block 75 Phase 6 Carissa Homes, Punta I, Tanza, Cavite (occupied by mortgagors); and (2) Lot 35 Block 16 Camella Tanza, Brgy. Bagtas, Tanza, Cavite (abandoned property), to satisfy the mortgage indebtedness which as of **July 01, 2026** amounts to **SIX HUNDRED SEVENTY THOUSAND FIVE HUNDRED NINETY NINE PESOS AND 68/100 (Php670,599.68)**, Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all other expenses incidental to this foreclosure and sale, the undersigned Sheriff will sell at public auction on **September 29, 2026** at 10:00 o'clock in the morning until 12:00 o'clock noon at the main entrance of the Government Center Building located at the Provincial Capitol Compound, Trece Martires City, to the highest bidder for **CASH** and in Philippine Currency, the following described property with all the improvements thereon, to wit:

TRANSFER CERTIFICATE OF TITLE No. 057-2018032571

Lot No. 35 Block: 16 Plan No. PSD-04-225971
Portion of: LOT 2051-F, PSD-04-166835; LRC RECORD NO. 6832
Location: BARANGAY OF BAGTAS, MUNICIPALITY OF TANZA, PROVINCE OF CAVITE, ISLAND OF LUZON
Boundaries:

LINE	DIRECTION	ADJOINING LOT(S)
1-2`	SW	ROAD LOT 15, PSD-04-225971
2-3	NW	LOT 36, BLOCK 16, PSD-04-225971
3-4	NE	LOT 3, BLOCK 16, PSD-04-225971
4-5		LOT 4, BLOCK 16, PSD-04-225971
5-1	SE	LOT 34, BLOCK 16, PSD-04-225971

Area: FIFTY FOUR (54) SQ.M.

All sealed bids must be submitted to the undersigned on the above-stated time and date.

In the event the public auction should not take place on the said date and time, it shall be held on **October 6, 2026** without further notice.

Prospective bidders/buyers are hereby enjoined to investigate for themselves the title to the said property and encumbrances thereon, if any there be.

Trece Martires City, August 28, 2026.

(Sgd.) **RICARDO A. TOLEDO**
Sheriff IV

Copy Furnished:

BDO UNIBANK, INC.
CONSUMER REMEDIAL MANAGEMENT
33rd Floor, BDO Corporate Center Ortiga
No. 12, ADB Avenue, Mandaluyong City

MARITES M. MARIQUINA AND FRANCISCO R. MARIQUINA
(1) Lot 4 Block 75 Phase 6 Carissa Homes, Punta I, Tanza, Cavite (occupied by mortgagors);

(2) Lot 35 Block 16 Camella Tanza, Brgy. Bagtas, Tanza, Cavite (abandoned property)

WARNING: It is absolutely prohibited to remove deface or destroy this Notice of Extra-Judicial Sale on or before the date of sale.

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REPUBLIC OF THE PHILIPPINES
FOURTH JUDICIAL REGION
REGIONAL TRIAL COURT
OFFICE OF THE CLERK OF COURT
TRECE MARTIRES CITY

BDO UNIBANK, INC.,
Mortgagee,

FORECLOSURE CASE NO. F-711-26

-versus-

SPS. MARY GRACE L. SARALDE AND
ROBERT C. SARALDE,
Debtors/Mortgagors.

X-----X

NOTICE OF EXTRA-JUDICIAL SALE

Upon Extra-Judicial Petition for Sale under Act 3135, as amended by Act 4118, filed by Mortgagee, **BDO UNIBANK, INC.**, with business address at 33rd Floor, BDO Corporate Center Ortigas, No. 12 ADB Avenue, Mandaluyong City against the Debtors/Mortgagors, **SPS. MARY GRACE L. SARALDE AND ROBERT C. SARALDE**, with postal addresses at (1) Lot 31 Block 14 Phase 2 Brgy. Pinagsama EP Village, Nichols McKinley, Taguig City (occupied by third party); and (2) Lot 11 Block 8 Kensington Phase 1, Barangay Navarro, Gen. Trias, Cavite (occupied by mortgagors), to satisfy the mortgage indebtedness which as of **July 17, 2026** amounts to **SIX HUNDRED FIFTY THREE THOUSAND ONE HUNDRED SEVENTY ONE PESOS AND 01/100 (Php653,171.01)**, Philippine Currency, including interest, penalties and other charges as of said date but exclusive of all other expenses incidental to this foreclosure and sale, the undersigned Sheriff will sell at public auction on **September 29, 2026** at 10:00 o'clock in the morning until 12:00 o'clock noon at the main entrance of the Government Center Building located at the Provincial Capitol Compound, Trece Martires City, to the highest bidder for **CASH** and in Philippine Currency, the following described property with all the improvements thereon, to wit:

TRANSFER CERTIFICATE OF TITLE No. 057-2014080021

A PARCEL OF LAND (LOT 11, BLK 8 OF THE CONSOLIDATION-SUBDIVISION PLAN PCS-04- 026626, BEING A PORTION OF CONSOLIDATION OF LOTS 1671-A-1 (LRC) PSD-11152 & 1671- B, PSD-37928) SITUATED IN THE BARANGAY NAVARRO, MUNICIPALITY OF GEN. TRIAS, PROVINCE OF CAVITE, ISLAND OF LUZON. BOUNDED ON THE NE., ALONG LINE 1-2 BY LOT 13, BLK. 8; ON THE SE., ALONG LINE 2-3 BY ROAD LOT 6; ON THE SW., ALONG LINE 3-4 BY LOT 9, BLK. 8 AND ON THE NW., ALONG LINE 4-1 BY LOT 12, BLK 8 ALL OF THE CONSOLIDATION- SUBDIVISION PLAN. BEGINNING AT A POINT MARKED “1” ON PLAN, XXX CONTANING AN AREA OF FIFTY (50) SQUARE METERS, MORE OR LESS XXX

All sealed bids must be submitted to the undersigned on the above-stated time and date.

In the event the public auction should not take place on the said date and time, it shall be held on **October 6, 2026** without further notice.

Prospective bidders/buyers are hereby enjoined to investigate for themselves the title to the said property and encumbrances thereon, if any there be.

Trece Martires City, August 28, 2026.

(THE...from page 4)

that connect our conventional illustrations
brain tissue, enabling show axons as
learning, memory and relatively uniform tubes
other functions." While interrupted by occasional

(Sgd.) **RICARDO A. TOLEDO**
Sheriff IV

Copy Furnished:

BDO UNIBANK, INC.
CONSUMER REMEDIAL MANAGEMENT
33rd Floor, BDO Corporate Center Ortigas
No. 12, ADB Avenue, Mandaluyong City

SPS. MARY GRACE L. SARALDE AND ROBERT C. SARALDE
(1) Lot 31 Block 14 Phase 2 Brgy. Pinagsama EP Village, Nichols McKinley, Taguig City (occupied by third party)
(2) Lot 11 Block 8 Kensington Phase 1, Barangay Navarro, Gen. Trias, Cavite (occupied by mortgagors)

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Publication : DIYARYO KABITENYO News Publishing Service
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synaptic varicosities, interest began with
and scientists have observations in worms
long observed and a conversation with
pronounced swellings Swiss scientist Graham
in dying neurons or Knott, Ph.D., leading
neurodegenerative them to investigate
conditions like whether disrupting the
Parkinson's disease, axon's internal skeleton
the Johns Hopkins would make the pearls
study highlighted much disappear.

smaller, repeating When graduate
swellings called "non- student Jacqueline
synaptic varicosities" Griswold tested this
under conditions idea, the pearling
intended to preserve remained, redirecting
normal structure. attention toward

This distinction the axon's physical
matters because the properties and membrane
study did not suggest mechanics. To image
that every beaded axon these structures, which
is damaged, but rather are roughly 100 times
pointed to a form of smaller than a hair's
nanoscale pearling that width, the team used
may be part of the normal
architecture. Watanabe’s

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Publication Notice
R.A. 10172

Republic of the Philippines
Province of Cavite
Municipality of Maragondon
-oOo-
Office of the Municipal Civil Registrar

NOTICE TO THE PUBLIC

Date: **September 1, 2026**

CFN-006-2026

In Compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1. Guidelines in the Implementation of the Administrative Order No. 1 Series of 2012 (IRR on R.A. 10172), Notice is hereby served to the public that Name of Document Owner has filed with this Office, a petition for **CHANGE OF FIRST NAME (CFN)** from **“ROLINA “** to **“ARLYN”** in the certificate of live birth of **ROLINA LINEZO PIEDAD** who was born on **JUNE 26, 1965** at **Maragondon, Cavite** and whose parents are **ROMEO RILLO PIEDAD** and **ANGELINA DIONES LINEZO**.

Any person adversely affected by said petition may file his written opposition with this Office not later than **September 21, 2026**.

(Sgd.) **HELEN P. UMALI**
Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : September 7 & 14, 2026

Publication Notice
R.A. 10172



Republic of the Philippines
Province of Cavite
Municipality of Naic



OFFICE OF THE MUNICIPAL CIVIL REGISTRAR

NOTICE TO THE PUBLIC

CCE - 0132-2026 R.A 10172

In compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1 Guidelines in the Implementation of the Administrative Order No. 1, Series of 2012 (IRR on R.A. 10172), Notice is hereby served to the public that **AUDREY BAUTISTA VALLEJOS-SACE** has filed with this Office a petition for correction of entry in **SEX** from **“MALE”** to **“FEMALE”** in her Certificate of Live Birth and whose parents are **Crisencio O. Vallejos** and **Marissa T. Bautista**.

Any person adversely affected by said petition may file his written opposition with this Office not later than **September 14, 2026**.

(Sgd.) **MARGARITA A. CATIBAYAN**
Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : September 7 & 14, 2026

RA Form No. 10.0 (LCRO)

Republic of the Philippines
Office of the Municipal Civil Registrar
Rosario, Cavite

NOTICE FOR PUBLICATION

CFN-0011-2026

In compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1 Guidelines in the Implementation of the Administrative Order No. 1 Series of 2012 (IRR on R.A. 10172). Notice is hereby served to the public that **ELINER O. LAURICO** has filed in this office, a petition for **Change of First Name** from **MA. ELINER** to **ELINER** in the Certificate of Live Birth of **MA. ELINER SABLAN OLAES** at Rosario, Cavite and whose parents are **ELICITO S. OLAES** and **NERISA P. SABLAN**.

Any person adversely affected by said petition may file his written opposition with this office not later than **21 September 2026**.

(Sgd.) **MARIA ROSARIO C. SORIANO**
Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : September 7 & 14, 2026

Publication Notice
R.A. 10172

Republic of the Philippines
Province of Cavite
Municipality of Maragondon
-oOo-
Office of the Municipal Civil Registrar

NOTICE TO THE PUBLIC

Date: **September 1, 2026**

CFN-007-2026

In Compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1. Guidelines in the Implementation of the Administrative Order No. 1 Series of 2012 (IRR on R.A. 10172), Notice is hereby served to the public that Name of Document Owner has filed with this Office, a petition for **CHANGE OF FIRST NAME (CFN)** from **“HENRY “** to **“HERNANDO”** in the certificate of live birth of **HENRY CENIZAL ACOSTA** who was born on **April 8, 1962** at **Maragondon, Cavite** and whose parents are **ANTONIO ANGLO ACOSTA** and **FLORA SISTER CENIZAL**.

Any person adversely affected by said petition may file his written opposition with this Office not later than **September 21, 2026**.

(Sgd.) **HELEN P. UMALI**
Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : September 7 & 14, 2026

RA Form No. 10.0 (LCRO)

Republic of the Philippines
Office of the Municipal Civil Registrar
Rosario, Cavite

NOTICE FOR PUBLICATION

CFN-0010-2026

In compliance with the publication requirement and pursuant to OCRG Memorandum Circular No. 2013-1 Guidelines in the Implementation of the Administrative Order No. 1 Series of 2012 (IRR on R.A. 10172). Notice is hereby served to the public that **ROSELITO J. SANARES** has filed in this office, a petition for **Change of First Name** from **ALFREDO** to **ROSELITO** in the Certificate of Live Birth of **ALFREDO JAMER SANARES** at Rosario, Cavite and whose parents are **BAYANI S. SANARES** and **ZENaida S. JAMER**.

Any person adversely affected by said petition may file his written opposition with this office not later than **21 September 2026**.

(Sgd.) **MARIA ROSARIO C. SORIANO**
Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : September 7 & 14, 2026



REPUBLIC OF THE PHILIPPINES
PROVINCE OF CAVITE
MUNICIPALITY OF TANZA

LOCAL CIVIL REGISTRY OFFICE

NOTICE OF PUBLICATION

In compliance with Sec. 5 of Rep. Act No. 9048, a notice is hereby served to the public that **AGUINALDO T. ERSANDO** has filed with this office a petition for **CHANGE OF FIRST NAME** from **“REYNALDO”** to **“AGUINALDO”** in the Certificate Live Birth of one, **AGUINALDO T. ERSANDO** who was born on December 16, 1975 at Tanza, Cavite and whose parents were **MARINO ERSANDO & MARCELINA TENORIO**.

Any person adversely affected by said petition may file his written opposition with this Office not later than **17th September 2026**.

(Sgd.) **OFELIA U. ARGUSON**
OIC-Municipal Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : September 7 & 14, 2026

(THE...from page 5)

high pressure freezing dehydrate the tissues, electron microscopy. "To but freezing them retains see nanoscale structures their shape -- similar to with standard electron freezing a grape rather microscopy, we fix and than dehydrating it into a

raisin," Watanabe said. living neurons. "These Across tens of findings challenge a thousands of images of century of understanding nonmyelinated mouse about axon structure," neurons, the researchers Watanabe said. repeatedly encountered Mathematical models suggested that the same pearled appearance, which physical forces on the was also confirmed in membrane, rather than

a rigid internal mold, jams," Watanabe said. help determine this However, bigger shape; experiments pearls did not invariably showed that increasing mean faster signals, as sugar concentration or dimensions mattered, removing cholesterol and high frequency altered the pearled electrical stimulation structure and signaling caused the pearl-like speed. "A wider space regions to become an in the axons allows ions average of 8% longer [chemical particles] and 17% wider, slowing to pass through more electrical signals for quickly and avoid traffic

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REPUBLIC OF THE PHILIPPINES
REGIONAL TRIAL COURT
4TH JUDICIAL REGION
BRANCH 109
CITY OF CARMONA, CARMONA
2nd Flr., Hall of Justice Bldg., Brgy. Maduya,
City of Carmona, Cavite
Email add: rtc2cac109@judiciary.gov.ph;
Tel. No. (046) 4828527

METROPOLITAN BANK & TRUST
COMPANY (“Metrobank or the “Bank”),
Mortgagee,

EJF-2026-53
FOR: APPLICATION FOR EXTRA
JUDICIAL FORECLOSURE OF REAL
ESTATE MORTGAGE UNDER ACT
3135, AS AMENDED

-versus-

MARK LOUIE C. VALENCIA,
Mortgagor/Debtor.

x-----x

NOTICE OF SHERIFF’S SALE

Upon Extra-Judicial petition for sale under Act No. 3135, as amended by Act 4118 filed by the mortgagee, METROPOLITAN BANK & TRUST COMPANY (“Metrobank or the “Bank”), with postal address at G.T. Tower International, 6813 Ayala Ave., corner H.V. Dela Costa St., Brgy. Bel-Air Makati City 1227, against MARK LOUIE C. VALENCIA, with postal address/es at (1.) Lot 7 Block 25 Waling- Waling St., Carmona Estates Phase 9, Brgy. Lantic, Carmona, Cavite; and (2.)23- C Cordillera Street, Brgy. Highway Hills, Mandaluyong City, and for the satisfaction of the mortgaged debt which as of 20 July, 2026 amounts to FIVE HUNDRED FIFTY-EIGHT THOUSAND FIVE HUNDRED NINETY-SIX PESOS AND 02/100 (P558,596.02) Philippine Currency, exclusive of all legal fees and expenses incidental to this foreclosure and sale, the undersigned or his duly authorized representative will SELL at public auction on **October 22, 2026** at 1:00 o’clock in the afternoon at the Lobby of the Hall of Justice Building, Brgy. Maduya, City of Carmona, Cavite to the highest bidder for CASH or MANAGER’S CHECK, in Philippine currency, the mortgaged property/ies with all the improvements thereon to wit:

TRANSFER CERTIFICATE OF TITLE NO. 057-2015012435

IT IS HEREBY CERTIFIED that certain land situated in BARRIO OF LANTIC, MUN. OF CARMONA, PROVINCE OF CAVITE, ISLAND OF LUZON, bounded and described as follows:

“A PARCEL OF LAND (LOT 7, BLK. 25 OF THE CONS. AND SUBD. PLAN PCS- 04-024651, BEING A PORTION OF THE CONS. OF LOTS 3-D-1 TO 3-D-3, PSD-04-198246; 3-E & 3-F, PSD-04-111368; 14, PSU-101203 & 856, CAD-285, CARMONA CADASTRE, L.R.C. RECORD NO. 52711 & 2165), SITUATED IN BARRIO OF LANTIC, MUN. OF CARMONA, PROVINCE OF CAVITE, ISLAND OF LUZON. BOUNDED ON THE NW., ALONG LINE 1-2 BY LOT 5, BLK. 25; ON THE NE., ALONG LINE 2-3 BY ROAD LOT 9; ON THE SE., ALONG LINE 3-4 BY LOT 9, BLK. 25 AND ON THE SW., ALONG LINE 4-1 BY LOT 6, BLK. 25 ALL OF THE CONS. AND SUBD. PLAN. BEGINNING AT A PT. MARKED “1” ON PLAN. BEING S. 23 DEG. 51’W., 2111.67 M. FROM BLLM # 2, MUN. OF CARMONA CAVITE. THENCE N. 77 DEG. 38’E., 11.00 M. TO PT. 2; THENCE S. 12 DEG. 22’E., 8.00 M. TO PT. 3; THENCE S. 77 DEG. 38’ W., 11.00 M. TO PT. 4; THENCE N. 12 DEG. 22’ W., 8.00 M. TO THE PT. OF BEGINNING, CONTAINING AN AREA OF EIGHTY EIGHT (88) SQUARE METERS, MORE OR LESS. ALL PTS. REFERRED TO ARE INDICATED ON THE PLAN AND ARE MARKED ON THE GROUND BY P.S., CYL. CONC. MONS. 15X40 CMS; BEARINGS TRUE; DATE OF ORIGINAL SURVEY; JAN. 24 TO 27, 1936, & AUG. 1940 TO MAY 1941, AND THAT OF THE CONS. AND SUBD. SURVEY, OCT. 1-15, 2007 & WAS APPROVED ON DECEMBER 19, 2008.”
xxxNOTHING FOLLOWSxxx

Prospective buyers and/or bidders are hereby enjoined

to investigate for themselves the title of the said property and the encumbrance thereon, if there be any.

All sealed bids must be submitted to the undersigned on the above-stated time and date.

In the event the public auction should not take place on the said date and time, it shall be held on **October 29, 2026** at the same time and place without further notice.

26th day of August, 2026 at
City of Carmona, Cavite.

By:
(Sgd.) **JOSEPH R. DIOKNO**
Sheriff IV

Noted by:
(Sgd.) **ATTY. CORINNA B. SALONGA-LOPERA**
Clerk of Court VI & Ex-Officio Sheriff

Copy furnished:

METROPOLITAN BANK & TRUST COMPANY
G.T. Tower International
6813 Ayala Ave., corner H.V. Dela Costa St.
Brgy. Bel-Air, Makati City 1227

MARK LOUIE C. VALENCIA

- Lot 7 Block 25 Waling-Waling St.
Carmona Estates Phase 9, Brgy. Lantic
Carmona, Cavite
- 23-C Cordillera Street, Brgy. Highway Hills,
Mandaluyong City

Publication : DIYARYO KABITENYO News Publishing Service
Dates : September 14, 21 & 28, 2026

R.A. Form No. 10.1 (LCRO)
(Devised 18 Aug. 2001)

Republic of the Philippines
Local Civil Registry Office
Province: Cavite
City of: Cavite

September 9, 2026

NOTICE FOR PUBLICATION

In compliance with section 5 of R.A. No. 9048 a notice is hereby served to the public that **MARNELLI N. DARVIN** has filed with this Office a petition for Change of First name from “**FLORDELIZA**” to “**ANGELINA**” in the Birth Certificate of **FLORDELIZA NATAYA** who was born on **JAN. 17, 1955** in **CAVITE CITY, CAVITE** and whose parents are **ANGEL NATAYA** and **INOCENCIA ROSALES**.

Any person adversely affected by said petition may file his written opposition with this Office.

(Sgd.) **FLORDELIZA M. ALEJO**
OIC-City Civil Registrar

Publication : DIYARYO KABITENYO News Publishing Service
Dates : September 14 & 21, 2026

(THE...from page 6)

at least an hour. These including Watanabe,
findings suggest axons reported pearled axons
are not merely fixed in human cortical tissue
cables but can respond obtained during epilepsy
to activity. A subsequent surgery, appearing in
study led by Chelsy R. Neuron in late 2025 and
Eddings and colleagues, early 2026.

AUCTION SALE

Sa ika-23 ng SETYEMBRE 2026 ay isusubasta ang hindi natubos na sangla sa buwan ng ABRIL 2026 sa mga sumusunod na sangay:

JARO PAWNSHOP AUCTION SALE

- Km. 17 Emilio Aguinaldo Highway, Tanzang Luma 2, City of Imus, Cavite (8:00 N.U.)
- Pintong Gubat, Paliparan 3, City of Dasmarina’s, Cavite (11:30 N.U.)
- Blk. 55 Lot 7 Golden Mile, Brgy. Salawag, City of Dasmarina’s, Cavite (11:30 N.U.)
- Wet Market, Buhay na Tubig, City of Imus, Cavite (8:00 N.U.)
- Kostal Wet & Dry Market, Anabu 2-D, City of Imus, Cavite (8:00 N.U.)
- 288 Bucandala 3, City of Imus, Cavite (8:00 N.U.)
- Bahayang Pag-Asa, Mariano Espeleta, City of Imus, Cavite (10:00 N.U.)
- Olivarez Plaza, San Jose, Tagaytay City (1:00 N.H.)
- Blk. 42-A Lot 2 Brookside Lane, Brgy., San Francisco, General Trias, Cavite (8:00 N.U.)
- Purok 126, MMEM Bldg., Mendez Junction, West, Tagaytay City (10:00 N.U.)
- #3 Acacia St., Calendola, San Pedro, Laguna (1:00 N.H.)
- # 1 Blk. 8 Lot 15 Mabini St., Sto. Niño, San Pedro, Laguna (1:00 N.H.)
- Bldg. 2, Stall 6, Lapaz, Public Market, Iloilo City (10:00 N.U.)
- Lopez Jaena St., Poblacion, Iloilo City (8:00 N.U.)
- Buhay na Tubig, City of Imus, Cavite (8:00 N.U.)
- Mojica Bldg., San Agustin, Trece Martires City (2:00 N.H.)
- Jewelry Section #6, Imus Public Market, Tanzang Luma 1, City of Imus, Cavite (8:30 N.U.)
- #1 Aguinaldo Highway, City of Dasmarinas, Cavite (9:00 N.U.)
- 1172 Gen. Emilio Aguinaldo Highway, Bayan Luma 4, City of Imus, Cavite (8:00 N.U.)
- 0211 Molino III, City of Bacoor, Cavite (9:00 N.U.)
- 29 V. Toledo St., Silang, Cavite (11:30 N.U.)
- 51 C. Abueg St.,Poblacion, Rosario, Cavite (3:00 N.H.)
- J.P. Rizal St., Brgy. 3, Silang, Cavite (9:00 N.U.)
- Mariano Espeleta Public Market, Bahayang Pag-Asa, City of Imus, Cavite (8:30 N.U.)
- P. Burgos St., Caridad, Cavite City (3:00 N.H.)
- Tramo, Bantayan, Binakayan, Kawit, Cavite (3:30 N.H.)
- #50 Don P. Campos Ave. Zone 1 City of Dasmarinas Cavite (10:00 N.U.)
- 1 Mangubat St., Zone 3, City of Dasmarinas,Cavite (9:00 N.U.)
- Bldg. 2060.,ME Bucandala 3,City of Imus,Cavite (8:30 N.U.)
- General Trias Drive,Tejero, Rosario Cavite (11:30 N.U.)
- Joseph Orpiano Bldg., 130 CM, Delos Reyes St., Brgy. Mangahan, General Trias, Cavite (10:30 N.U.)
- Imus Public Market, Tanzang Luma 1, City of Imus,Cavite (9:00 N.U.)
- Blk. 11 Lt.11 Congressional Rd.,Brgy. Buro1, City of Dasmarinas,Cavite (9:30 N.U.)
- LDJ Congressional Road, Buro1, City of Dasmarinas, Cavite (10:30 N.U.)
- Unit C, 110 Avenida St. Espeleta 1, Bahayang Pag asa, City Of Imus, Cavite (10:00 N.U.)
- #651 Brgy. Sabang , City of Dasmarinas, Cavite (1:00 N.H.)
- Stall #22, New Tanza Public Market, Daang Amaya 1,Tanza Cavite (2:00 N.H.)
- Blk.2 Lt.1 San Dionisio,City of Dasmarinas, Cavite (1:30 N.H.)
- GMA Central Market,Poblacion 1, General Mariano Alvarez, Cavite (2:30 N.H.)
- Stall 21 & 22 St., Anthony, Arcade Maderan, General Mariano Alvarez, Cavite (2:00 N.H.)
- Blk 16 Lot 1 Ph1, Greengate Homes, City of Imus, Cavite (10:30 N.U.)
- Dona Dionisia Subdivision, Bayan Luma 2, City of Imus, Cavite (10:00 N.U.)
- Blk 2 Lot 28 Palazzo Bello 1 Subdivision, Nia Road, City Of Imus, Cavite (11:00 N.U.)
- Mulingbayan Poblacion X, Nasugbu, Batangas (2:30 N.H.)
- Blk. 5 Lt 56 Tinyente Tiago, General Mariano Alvarez, Cavite (3:00 N.H.)
- D1-4 13 San Jose Market, General Mariano Alvarez, Cavite (3:00 N.H.)
- Km 17., Aguinaldo Highway, Panapaan 4, Bacoor, Cavite (11:30 N.U.)
- Ph1, Springville West, Molino III, Bacoor, Cavite (10:00 N.U.)
- Brgy. Paradahan 1, Tanza, Cavite (11:00 N.U.)
- De Ramon, Commercial Complex St., Augustine St., Poblacion 2, Tanza, Cavite (3:00 N.H.)
- Tanza public Market, Stall #15, Daang Amaya 1,Tanza, Cavite (3:30 N.H.)
- Gma Central Market, General Mariano Alvarez, Cavite (3:30 N.H.)
- #2 N Commercial & Services Corp., 0003 Unit C Advincula Ave., Alapan 2-B, City of Imus, Cavite (8:30 N.U.)
- 64 Imelda Ave., Brgy. Langgam, San Pedro, Laguna (3:00 N.H.)
- Stall # 6 Southville 3 Commercial Complex Fourth District, City of Muntinlupa (1:30 N.H.)
- #85 Don P. Campos Ave., Brgy. Sabang, City of Dasmarinas, Cavite (1:30 N.H.)
- 9005 National Road, Brgy. Riverside, City of San Pedro, Laguna (2:30 N.H.)
- Space # 2016-1 2F Festival Supermall,Alabang, Muntinlupa City (2:00 N.H.)
- Sitio Lontoc Brgy. Timalan Balsahan, Naic, Cavite (3:00 N.H.)
- Ground Floor Manggahan Gentry Supermarket (MGS) 129 Governor’s Drive Manggahan 4107 General Trias Cavite (2:30 N.H.)

LANUZA & SONS -Auctioneer

Low vitamin D linked to greater pain and opioid use after breast cancer surgery

Research published in *Regional Anesthesia & Pain Medicine* indicates that low vitamin D levels may lead to more painful recovery from breast cancer surgery and a higher need for opioid painkillers, prompting a study at Fayoum University Hospital in Egypt between September 2024 and April 2025 involving 184 patients scheduled for unilateral modified radical mastectomies.

While vitamin D is best known for bone health, evidence suggests it influences pain processing via inflammation and immune system effects, a critical area to investigate given that deficiency is common among breast cancer patients; the prospective observational study found that 50% of participants had deficient levels (below 30 nmol/L) compared to those with sufficient levels (above 30 nmol/L), with the two groups being broadly similar in age (44 vs 42 years) and receiving identical standard hospital care, including fentanyl during surgery, scheduled intravenous paracetamol every 8 hours post-op, and a patient-controlled system for tramadol to track additional opioid needs.

Patients rated their pain immediately after surgery and at 6, 12, 18, and 24-hour intervals while researchers monitored side effects and hospital stay duration, revealing that "Vitamin D deficiency is associated with a higher occurrence of moderate to severe postoperative pain and increased opioid consumption in patients undergoing unilateral modified radical mastectomy."

Specifically, deficient patients were three times more likely to report moderate to severe pain within the first 24 hours, though researchers noted "none of the patients in either group experienced what researchers classified as severe pain (7 or over on a scale of 0 to 10)," with the difference stemming entirely from moderate pain (4-6 on the scale).

This disparity extended to medication usage, where deficient patients received an average of 8 µg more fentanyl during surgery—a difference described as "modest"—but used substantially more tramadol (112mg) post-surgery, which matters because "these drugs can cause side effects such as nausea, vomiting, drowsiness, and confusion" and carry risks of dependency.

Kimchi-Derived probiotic shows promise in reducing nanoplastic accumulation

Nanoplastics are ultrafine plastic particles measuring less than 1 micrometer (µm; one-thousandth of a millimeter) that are generated during the degradation of larger plastic materials, and these particles can enter the human body through food and drinking water.

Due to their extremely small size, nanoplastics may cross the intestinal barrier and accumulate in organs such as the kidneys and brain, yet biological strategies to reduce nanoplastic accumulation in the gastrointestinal tract remain at an early stage of research.

To address this gap, a research team led by Drs. Se Hee Lee and Tae Woong Whon at WiKim investigated the adsorption capacity of a kimchi-derived lactic acid bacterium, *Leuconostoc mesenteroides* CBA3656, against polystyrene nanoplastics (PS-NPs). Under standard laboratory conditions, strain CBA3656 showed a high adsorption efficiency of 87%, comparable to that of the reference strain *Latilactobacillus sakei* CBA3608 (85%), but a notable difference emerged under simulated human intestinal conditions: while the adsorption rate of strain CBA3608 decreased sharply to 3%, strain CBA3656 maintained a substantially higher adsorption level of 57%, indicating that the kimchi-derived strain can stably bind nanoplastics even in environments resembling the human intestinal tract.

Significant findings were also observed in animal experiments using a germ-free mouse model, where both male and female mice administered strain CBA3656 showed more than a twofold increase in nanoplastics detected in feces compared with the control group that did not receive probiotics, suggesting that the probiotic may contribute to the excretion of nanoplastics by binding to them in the intestine.

This study provides scientific evidence that kimchi-derived lactic acid bacteria may interact with environmental micropollutants beyond their traditional role in fermentation, offering new insight into potential biological mechanisms that may help reduce nanoplastic accumulation in the gastrointestinal tract.

"Plastic pollution is increasingly recognized not only as an environmental issue but also as a public health concern," said Dr. Sehee Lee, the lead researcher of the study. "Our findings suggest that microorganisms derived from traditional fermented foods could represent a new biological approach to address this emerging challenge. We will continue to expand the scientific value of kimchi microbial resources to contribute to public health and environmental solutions."