

## ABOUT THE AUTHORS

**Mary Jean A. Dela Cruz-San Luis** is a science educator with eight years of professional teaching experience in secondary education. She has taught various science subjects, such as Earth Science and Research, and has been actively involved in academic committees, including *Punlasik*, a research conference showcasing student research outputs. She obtained her Bachelor of Science in Education, major in General Science, *cum laude*, from the Philippine Normal University, where she is also currently pursuing her master's degree in Science Education. Her graduate thesis examines the experiences of teachers engaged in out-of-field science teaching.

**Mary Mae B. Vega** is a Senior High School Mathematics teacher at the University of the East with 14 years of teaching experience. She is presently a Doctor of Education (EdD) candidate in Educational Administration and Leadership. Her dissertation, "CAMANAVA Mental Health Policy Implementation Framework," focuses on strengthening educational policy and leadership in secondary schools.

**Justin Benedict D. Buhay** graduated with high honors under the STEM (Science, Technology, Engineering, and Mathematics) strand at the University of the East Caloocan for the academic year 2023 - 2024, where he demonstrated outstanding academic performance. As a student-researcher and leader of his research group, Justin actively represented his school in several academic conferences. His group participated in the 5th Punlasik Research Conference 2024 at UE Caloocan, where they ranked 4th overall. They also competed at the Research Congress of De La Salle Araneta University, winning Best Paper Presentation and placing 2nd in the Research Poster Making contest. They also joined the 4th Balagdiwa National Research Conference. He is currently a sophomore scholar pursuing a Bachelor of Science in Computer Science at the Polytechnic University of the Philippines, where he is a consistent honor student in his academics.

**Fathima Nicole P. Aliman** graduated with honors from the University of the East Caloocan, under the STEM track, in the academic year 2023-2024. She and her group presented a research paper at the 2024 6th DLSAU SHS Research Congress. In the same year, she also presented in the 5th PUNLASIK Research Conference at the University of the East Caloocan.

Fathima completed her junior high school from St. James Academy Malabon with honors. She is currently a second year college student in the University of Santo Tomas under the program Information Technology.

**Jasmin Kate S. Atabelo** graduated with honors from the STEM track at the University of the East Caloocan. She and her group were research presenters in the 2024 5th PUNLASIK Research Conference held at the University of the East Caloocan. In the same year, they also participated in the 6th De La Salle Araneta University Senior High School Research Congress where they won Best Paper Presentation and Second Place in the Research Poster Competition. She is currently a second-year Civil Engineering Technology student at the Polytechnic University of the Philippines.

**David Jonathan V. Baybay** completed his Senior High School at the University of the East Caloocan under the STEM strand for the academic year 2023–2024 with good academic performance. David and his research group represented their school in various academic conferences. They joined the 5th Punlasik Research Conference 2024 at UE Caloocan, where they ranked 4th overall. At the Research Congress at De La Salle Araneta University, they bagged the Best Paper Presentation and second place in the Research Poster Making contest. They also participated in the 4th Balagdiwa National Research Conference. David is currently pursuing his second year in the Bachelor of Science in Nursing program at National University Manila.

**Aliyah Shine T. Perez** graduated from the University of the East Caloocan Senior High School under the STEM track, consistently earning honors during this academic period. She and her group were research presenters in the 2024 5th PUNLASIK Research Conference held at the University of the East Caloocan. At the 6th De La Salle Araneta University Senior High School Research Congress, they won the Best Paper Presentation and Second Place in the Research Poster Competition. Aliyah is currently a second-year college student at Our Lady of Fatima University, pursuing a Bachelor of Science in Nursing degree.

**Stephen DS. Say** graduated with high honors in the academic year 2023-2024 from the University of the East Caloocan, and completed Kumon for 6 years. In senior high school, he was a

leader in both Pananaliksik and research projects related to water hyacinth. He presented with his group a research poster at the 5th Punlasik Research Conference 2024 held at the University of the East Caloocan and won first place in the poster presentation at the 6th Research Congress at the De La Salle Araneta University. Stephen is currently a second year college student taking Bachelor of Science in Civil Engineering at the Pamantasan ng Lungsod ng Valenzuela where he is the president of his class. In his first year of college, he was among the Dean's listers in his course for topping departmental exams.

**Gwyneth Nathalie M. Cabanela** graduated with honors in Academic Year 2023–2024 under the STEM strand at the University of the East Caloocan. She and her group presented a research poster at the 5th Punlasik Research Conference 2024 held at the University of the East Caloocan. At the 6th Research Congress at De La Salle Araneta University, they earned first place in the poster presentation category. Gwyneth currently is a second year college scholar taking Bachelor of Civil Engineering at the University of the East Caloocan.

**Angelus Jakob E. Chin** finished Senior High School from UE Caloocan where he was a consistent honor student. Beyond academics, he showed remarkable dedication and strong time management skills as he balanced demanding academic work with part-time work at McDonalds to make ends meet. He participated in many research conferences among them the De La Salle Araneta University's KADS Aliksik and University of the East's Punlasik. Angelus is currently a second year Marine Engineering student at Our Lady of Fatima University where he continued to get good grades. He has passed many Maritime Academies examinations including MOL Magsaysay Maritime Academy's entrance exam.

**Adriel Vinci C. Laureano** completed his Senior High School education at the University of the East Caloocan, graduating with good grades under the STEM strand for the Academic Year 2023–2024. Adriel and his group represented the Senior High School of UE Caloocan in major academic conferences such as the 5th Punlasik Research Conference 2024 held at the University of the East Caloocan and the 6th Research Congress at De La Salle Araneta University where they clinched first place in the poster presentation category. Adriel is currently pursuing a Bachelor of

Science in Civil Engineering at the University of the East Caloocan where he is a second year scholar in recognition of his academic excellence and outstanding performance in various examinations.

**Danaya Gemailah L. Ventanilla** completed her senior high school from the University of the East Caloocan where she led research about organic pesticide made from tomato leaves. She and her groupmates presented their research poster at the 5th Punlasik Research Conference 2024 held at the University of the East — Caloocan and participated in the 6th Research Congress at the De La Salle Araneta University, winning first place in poster presentation. Danaya is currently a second year college student of Bachelor of Science in Nursing at Our Lady of Fatima University where she landed in the Dean’s list on her first semester.

**Keith Loise C. Cabrera** is a second year Computer Science student at the University of Santo Tomas (UST), where she is actively involved in student activity and has served as an external affairs staff member of the Computer Science Society. She is currently exploring her interests in technology, research, and leadership, and continues to seek opportunities that allow her to grow both academically and personally.

**Bianca Louise D. David** graduated with honors from the University of the East Caloocan (2023–2024) Senior High School where she served as managing editor of the Junior Dawn for two years and further developed her editorial skills by attending workshops organized by TRAC Philippines. She and her group participated at the DLSAU Kadsaliksik 5th Research Congress, the 5th Punlasik Research Congress (UE Caloocan), and the UE Manila Research Conference. Their collaborative project, FAN-Cycle, earned the Best Research Innovation Award for STEM in UE Caloocan. She is currently a second-year Bachelor of Science in Physical Therapy student at the University of the East Ramon Magsaysay Memorial Medical Center. She was awarded overall Top 1 student in SY (2024-2025) during her first-year.

**Marielle P. Pacleb** completed her Senior High School under the STEM strand at the University of the East Caloocan where she and her team were awarded the title “Best Research Innovation” in STEM during the 5th PUNLASIK at the University of the East Caloocan. They also participated at the University of the East

Manila Research Conference and at KADSAliksik, De La Salle University, where their work was awarded first place in the Paper Presentation Category. Marielle is currently a second year Bachelor of Science in Nursing student at Our Lady of Fatima University, Valenzuela Campus where she is a recipient of an academic scholarship.

**Misha D. Quijano** finished senior high school from the University of the East Caloocan where she served as class president and president of the Student Discipline Monitor and assigned to manage student concerns, organize events, and write official communications. At the Research Congress at De La Salle Araneta University, her group won the Best Paper Award. At present, she is a second year Nursing student at Chinese General Hospital Colleges and an active member of the Supreme Student Council.

**David Aaron S. Santos** graduated with high honors under the STEM strand in SY 2023–2024 from UE Caloocan. FAN-Cycle, which is a research on electronics was presented at the 5th PUNLASIK at the University of the East Caloocan, the UE Manila Research Conference, and KADSAliksik at De La Salle Araneta University where David and his group earned first place in the paper presentation category. At present, David is a second year Bachelor of Science in Information Technology student at the University of the East Manila where he is a recipient of the Tan Yan Kee (TYK) Scholarship.

**Karlo Vincent John Calanog** is a licensed nurse and a faculty member in the Senior High School STEM program of the Basic Education Department at the University of the East Caloocan. His academic and professional interests include STEM education, sustainable technologies, healthcare, and the use of innovative teaching strategies to enhance student learning.

**Gienny V. Carlote** is a junior high school science teacher at the University of the East Caloocan. She graduated from the Philippine Normal University–Manila with a degree in Bachelor of Science in Education, major in General Science. Her research interests include science education, environmental studies, and sustainable practices in the sciences.

**Sabina S. Omboy** is currently a Grade 12 Senior High School student under the STEM strand at the University of the East

Caloocan campus. She graduated from Junior High School in 2024, where she completed the Science-Based Curriculum (SBC) at the same university. She was recognized as the overall rank 1 of her batch in the SBC program.

**Abby H. Bartolata** is a Grade 12 student at Navotas National Science High School, currently enrolled in the STEM strand. She completed her Junior High School education in 2024 at the University of the East Caloocan under the Science-Based Curriculum (SBC) program.

**Phoebe Zyann E. Ferrer** is a Grade 12 Senior High School student under the STEM strand at the University of the East Caloocan. She finished Junior High School in 2024 under the Science-Based Curriculum (SBC) program at the same university. Currently taking the STEM strand for Senior High School, she is exploring different fields in preparation for higher education, with a strong interest in science, particularly microbiology.

**Raphael G. Vizcarra** is a dedicated Grade 12 Senior High School student enrolled in the STEM strand at the University of the East Caloocan. He graduated from Junior High School in 2024, earning his diploma under the Science-Based Curriculum (SBC) program at the same University. Raphael looks forward to pursuing a college degree where he can apply the knowledge and skills he has gained under the SBC and STEM track.

**Sofia Reine M. Palarca** is a Senior High School student who graduated in 2023 under the Science-Based Curriculum (SBC) program at the University of the East. This background has inspired her to pursue the medical field further strengthened by a desire to help others and to apply scientific knowledge in ways that improve health and well-being.

**Van Adrian C. Mascareñas** is a Grade 12 Senior High School student enrolled in the STEM strand at the University of the East Caloocan Campus. He graduated from Junior High School in 2024, having completed the Science-Based Curriculum (SBC) at the same university.

**Mr. John Cristian A. Ramos** is a Senior High School faculty member at the University of the East Basic Education Department, Caloocan. As an active researcher, he has presented

his works in various conferences and forums. He remains committed to advancing both teaching and research in his field.

**Gian Matthew M. Sevilla** is a 2nd-year BS Information Technology student specializing in Cybersecurity at the ABET-accredited Mapúa University. A consistent Dean's Lister and top candidate for the President's List, he is committed to academic excellence and professional growth.

**Lindon Chandler R. Lopez** is a student at Far Eastern University Institute of Technology pursuing a BS in Information Technology with a specialization in Animation and Game Development, aspiring to make inspiring contributions to both digital media and performance.

**Erich Ann M. Alfonso** is a Multimedia Arts student at CIIT College of Arts and Technology specializing in Animation. Passionate about self-improvement and creative freedom, she uses animation to express her ideas and continuously refine her skills. Through her creations, she hopes to inspire others and leave a positive impact.

**Aragourn Bhoromir G. Sevilla** is an Information Technology student at Far Eastern University of Technology specializing in Animation and Game Development. Dedicated to both academic and personal growth, he strives to think outside the box and create innovative, entertaining ideas by combining creativity with technology.

**Tristan Ivan S. Agapito** is a Computer Science student at the University of the East committed to both academic and personal growth. Focused on programming, he continuously works to enhance his skills and knowledge.

**Dr. Jocelyn Salcedo Brigino** is the Department Chair of Marketing, Behavioral, E-Word and Communication (MARBEC) and Officer-in-Charge of the Finance, Economics and Mathematics (FECOMATH) Department at the College of Business Administration, University of the East Caloocan.

She earned her Bachelor of Arts in Mass Communication, major in Journalism, from the Polytechnic University of the Philippines, her Master's in Education major in Administration and

Supervision from Governor Andres Pascual College, and her Doctor of Business Administration from the UE Graduate School.

A dedicated educator at UE Caloocan Campus since 1996, she also serves as Public Relations Officer of the Philippine Association of Marketing Research Educators (PAMRE) North Manila Chapter.

**Dr. Virginia Cruz De Leon** is a Professor at the College of Business Administration, with an academic rank of Professor C/R2 at the University of the East Caloocan. She has been with the University for 26 years handling Business Research, Feasibility Studies, Entrepreneurial Minds, Human Behavior in Organizations, Human Resources Management, and other related business management subjects.

Dr. De Leon obtained a Bachelor of Science in Business Administration, major in Accounting degree, a master's and doctorate degree all from UE. She serves as a panelist in the Business Research and Feasibility Study at the University of the East Manila and Caloocan Campus.

**Prof. Abner A. Aquino** has been an Associate Professor of the College of Business Administration, University of the East, Caloocan for more than 30 years. He handles Statistics, Management Science, and other mathematics-related business subjects. He obtained his Bachelor of Science degree in Electronics and Communications Engineering from Wesleyan University and a Master's in Business Administration at UE Manila. He is presently the Associate Dean of the College of Business Administration, University of the East Caloocan.

**Prof. Cleto Lagumbay Nambatac** has been a college professor in UE for 29 years. He is a graduate of Master of Business Administration from the Far Eastern University. He is presently working on his dissertation at UE.

**Prof. Ken Elexander C Cabinian** is the department chair of Accountancy, Law, and Taxation at the University of the East (UE) He is an assistant professor, and a Certified Public Accountant (CPA) holding an ACCA RQF Level 4 certification. He has earned numerous academic distinctions, including being a Triple Awardee of Outstanding Graduate Awardee (Batch 2020), College

Distinguished Awardee, and *Magna Cum Laude* at the same university. He is now taking his doctorate in Business Administration.

**Aliyah Nasrollah B. Ismaeili** is a business owner and a graduate of the University of the East Caloocan, where she obtained her degree in Bachelor of Science in Management Accounting. As the President of the Central Student Council in UE Caloocan, she spearheaded various student development initiatives and represented the student body in institutional affairs. Her exemplary performance and dedication earned her multiple distinctions, including leadership, academic, and non-academic awards. Currently, she continues to apply her skills and expertise in the field of business management and entrepreneurship.

**Angelika Zusane F. Mendoza** is a 24 year-old accounting professional who holds a BS in Management Accounting at the University of the East Caloocan and is currently taking the BS in Accountancy bridging program at Philippine School of Business Administration Quezon City (PSBA-QC). She completed her internship at SGV & Co., where she gained valuable experience in auditing and professional practice. She previously served as Regional Audit Associate at NFJPIA-NCR and as Vice President for Audit at JPIA UE Caloocan, earning numerous leadership, academic, and non-academic awards throughout her student years. After graduating and passing the Civil Service Exam in 2024, she continues to pursue her passion for public service and accounting as a Revenue Officer I at the Bureau of Internal Revenue – National Office.

**Mikhaela Louise B. Mariano** holds a Bachelor's degree in Management Accounting from the University of the East Caloocan. As a driven and ambitious Accounting Officer with a passion for numbers and business, she leverages her skills and experience to achieve success in her field. Her strong foundation in management accounting enables her to take on new challenges and pursue her entrepreneurial aspirations.

**Angel Kyle R. Asuncion** is a graduate of Bachelor of Science in Management Accounting. Her internship at Philippine National Bank (PNB) gave her the initial experience that allowed her to eventually work as an Investment Distribution Associate,

supporting the bank's investment division in client servicing, trade facilitation, and distribution. With her background in accounting and finance, she is steadily building her expertise in investments and is determined to grow her career in the financial services industry.

**Joem T. De Castro** is a working professional who graduated from the University of the East Caloocan with a degree in Bachelor of Science in Management Accounting. She is a former member of JPIA and ATLAS at UE Caloocan, as well as a previous bonafide member of NFPIA-NCR throughout her college years. Her internship allowed her to embark on her professional journey as a Credit Review Specialist in one of the largest privately-owned commercial banks in the country.

**Mr. John Marc Niel G. Santos** is a licensed professional teacher specializing in English language teaching and currently pursuing a Master of Arts in Education major in English as a Second Language at the University of the East Manila, with 21 graduate units in English Language Teaching earned from the Polytechnic University of the Philippines. He has taught at the basic education and tertiary levels in institutions such as Aquinas School, Adamson University, and the University of the East, handling English, research writing, and general education subjects, and has mentored students whose research was presented at national and international conferences. An active member of the International English Language Teachers Association – Philippines and the Visionary Research Association, Inc., he has also completed specialized short courses under the University of Pennsylvania, University of London, and the U.S. State Department's Online Professional English Network. Beyond teaching, he has served as a stage director and event coordinator for academic and cultural programs, consistently contributing to pedagogy, research, mentoring, and educational advocacy.

**Shen Chuan** finished her Doctor of Business Administration degree at the University of the East Manila. She has been engaged in management work in enterprises since 2006 and has extensive management experience covering human resource management, administrative management, enterprise operation, and new media operation, among other fields.

**Jessa May E. Garcia** is currently part of the ORC on a Special Non-Teaching Assignment.

**Jocelyn G. Santos** is the Administrative Assistant of the Office of Research Coordination.

**Lydia R. Leonardo** is the Director of the Office of Research Coordination.

