

Gerard Lee L. See, Ph.D.

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EDUCATION

Graduate studies

Doctor of Philosophy in Pharmaceutical Sciences | Josai University, Japan

April 2016 – March 2019

Master of Science in Pharmacy | University of San Carlos, Philippines

June 2011 – March 2014

Undergraduate studies

Bachelor of Science in Pharmacy | University of San Carlos, Philippines

June 2007 – March 2011

PROFESSIONAL EXPERIENCE

University of San Carlos

Dean, School of Health Care Profession | August 1, 2021 – present
Researcher | Professor | November 2011 – present

- Conduct lectures
- Prepare learning activities for students
- Publish educational materials (e.g. books, laboratory workbooks)
- Conduct research and publish research output

Graduate Program Coordinator | August 2020 – July 2021; August 2023 - present

- Oversee the graduate program
- Coordinate with the Chairman on course offering and class schedules
- Handle student concerns, enrollment, and promotion

Chairman for USC School of Health Care Professions Research Committee | June 2014 – March 2016

- Review research proposal and outputs
- Organize workshops and seminars for research capability building of faculty

Commission on Higher Education (CHED), Regional Quality Assessment Team for Pharmacy – Region 7

Member | August 1, 2021 – present

Philippine Accrediting Association of Schools, Colleges, and Universities (PAASCU)

Accreditor | August 1, 2022 – present

Josai University

Post-Doctoral Fellow | April 2019 – March 2020

- Conduct research on silicon adhesives as material for transdermal patches
- Teaching assistant to local (Japanese) and international students

Researcher | April 2016 – March 2019

- Conduct research on targeted transdermal drug delivery (Ophthalmic)
- Teaching assistant to local (Japanese) and international students

ACE RX Learning Specialists, Inc.

Philippine Pharmacists Licensure Examination Review Lecturer | May 2015 – Present

San Carlos Drugstore

Community Pharmacist | July 2011 – May 2012

- Supervise the drugstore
- Counsel patients on their medications
- Dispense medications

AWARDS & RECOGNITION

- Professional Regulations Commission ***Outstanding Professional of the Year Awardee for Pharmacy*** 2023
- Monash University Malaysia ***Young Researcher Award*** 2021
- Monash University Malaysia ***Third Prize Best Oral Presentation Award*** 2021
- Philippine Pharmacists Association ***The Outstanding Pharmacists in Research*** 2020
- International Pharmaceutical Federation (FIP) ***Best Industrial Short Oral Presentation Award*** 2019
- The Academy of Pharmaceutical Science and Technology, Japan, 44th Formulation and discovery seminar, ***Post-doctoral Presentation Awardee*** 2019
- International Pharmaceutical Federation (FIP) ***Best Industrial Short Oral Presentation Award*** 2018
- Philippine Pharmacists Association ***Academic Excellence Awardee*** 2011
- University of San Carlos ***Outstanding Leader Awardee*** 2010
- University of San Carlos ***Outstanding Graduate Awardee*** 2011
- USC BS Pharmacy Batch 2011 ***Class Valedictorian***
- Graduated ***Magna Cum Laude*** in Bachelor of Science in Pharmacy
- Philippine ***Licensed Pharmacist***, Professional Regulations Commission - Board of Pharmacy

RESEARCH AND BOOK PUBLICATIONS

- Exploring the knowledge, attitude, and practices of community pharmacists in eastern Visayas towards readiness to provide information service on complementary and alternative medicine. 2025. *Acta Medica Philippina*, 59, 1 – 12.

- Social and personal determinants of herbal supplement use in metro Cebu, the Philippines. 2024. *Philippine Journal of Science* 153(4), 1315 – 1328.
- Development of an auraptene-loaded transdermal formulation using non-ionic sugar ester surfactants. 2024. *Chemical and Pharmaceutical Bulletin*, 72, 319 – 323.
- Effect of terpenes on the enhancement of skin permeation of lipophilic drugs: a systematic review. 2024. *Acta Medica Philippina*. 58, 59 – 71.
- Inclusion complexes of ursolic acid with cyclodextrin-based metal-organic framework-1 enhance its solubility. 2023. *Journal of Drug Delivery Science and Technology*, 104986.
- Preparation and characterization of lidocaine HCl-loaded proniosome gels with skin penetration enhancers. 2023. *Journal of Drug Delivery Science and Technology*, 86, 104639.
- Preparation and spectroscopic characterization of ternary inclusion complexes of ascorbyl palmitate and urea with γ -cyclodextrin. 2023. *ChemEngineering*, 7(2), 29.
- Determination of sugars and amino acids in Japanese wine using core-shell liquid chromatography tandem electrochemical detection. 2022. *Thai Journal of Pharmaceutical Sciences*, 46(4), 266 – 271.
- Evaluation of the skin permeation-enhancing abilities of newly developed water-soluble self-assembled liquid crystal formulations based on hexosomes. 2022. *Crystals*, 12(9), 1238.
- Preparation, characterization, and in vitro evaluation of inclusion complexes formed between S-allylcysteine and cyclodextrins. 2022. *ACS Omega*, 7(35), 31233-31245.
- Chemical permeation enhancers for topically-applied vitamin C and its derivatives: a systematic review. 2022. *Cosmetics*, 9(4), 85.
- Preparation and spectroscopic characterization of inclusion complexes of 3D ball-milled rifampicin with b-cyclodextrin and γ -cyclodextrin. 2022. *AAPS PharmSciTech*, 23(5), 1 – 15.
- Preparation, characterization, solubility, and antioxidant capacity of ellagic acid-urea complex. 2022. *Materials*, 15(8), 2836.
- Inclusion complexes of daidzein with cyclodextrin-based metal-organic framework-1 enhance its solubility and antioxidant capacity. 2022. *AAPS PharmSciTech*, 23, 1-14.
- Preparation and characterization of a hybrid complex of cyclodextrin-based metal-organic frameworks-1 and ascorbic acid derivatives. 2021. *Materials*, 14, 7309.
- Prolonged distribution of tranilast in the eyes after topical application onto eyelid skin. 2020. *Chemical and Pharmaceutical Bulletin*, 68, 779 – 783.
- Enhanced nose-to-brain delivery of tranilast using liquid crystal formulations. 2020. *Journal of Controlled Release*, 325, 1 – 9.
- Management of minor ailments by community pharmacists in Cebu, Philippines – an exploratory study. 2020. *Acta Medica Philippina*, 54, 517 – 524.
- Prediction of skin permeation and concentration of rhododendrol applied as finite dose from complex cosmetic vehicles. 2020. *International Journal of Pharmaceutics*, 578, 119186.
- Usefulness of artificial membrane, Strat-M®, in the assessment of drug permeation from complex vehicles in finite dose conditions. 2020. *Pharmaceutics*, 12(2), 173.

- Pharmacokinetics and tissue distribution of pilocarpine after application to eyelid skin of rats. 2019. *Journal of Pharmaceutical Sciences*, 109(9):2942 – 2948.
- Halal cosmetics: a review on ingredients, production, and testing methods. 2019. *Cosmetics*, 6(3):37.
- Iontophoresis-aided drug delivery into the eyeball via eyelid skin. 2018. *Journal of Drug Delivery Science and Technology*, 47:380 – 385.
- Eyelid skin as a potential site for drug delivery to conjunctiva and ocular tissues. 2017. *International Journal of Pharmaceutics*, 533(1):198 – 205.
- The anti-arthritis potential of Barbados nut *Jatropha curcas* Linn. (1753) leaf extract in bovine type II collagen-induced arthritis in male albino mice *Mus musculus*. 2017. *International Journal of Pharmaceutical Sciences and Research*, 8:1686 – 3695.
- Anti-asthma potential of dried *Draco spillopterus* Wieg. (1834) using mesenteric mast cell count by atopic allergy method. 2017. *Journal of Pharmacognosy and Phytotherapy*, 9(4): 51 – 56.
- In vitro platelet aggregation inhibition activity of *Psophocarpus tetragonolobus* (L.) Dc pod extract. 2017. *International Journal of Pharmacognosy and Phytochemical Research*, 9(1):70 – 75.
- Adaptogenic potential of *Artemisia vulgaris* Linn. (1753) leaf extract on male albino rats. 2017. *International Journal of Pharmaceutical Sciences and Research*, 13:582 – 590.
- Cytotoxic and genotoxic studies on the mucus of Indian volute *Melo broderipii* (Gmelin 1758) and Spider conch *Lambis lambis* (Linn 1758). 2016. *Journal of Pharmacognosy & Natural Products*, 2(3): 1 – 7.
- Philippine Pharmacists Licensure Examination (PPLE) score indicators: a Cebu school experience. 2016. *Journal of Asian Association of Schools of Pharmacy*, 5: 383 – 391.
- In vitro α -amylase and α -glucosidase inhibition activity of tabing *Abutilon indicum* (Linn 1836) root extracts. 2016. *International Journal of Toxicological and Pharmacological Research*, 8(5): 391 – 396.
- In vitro Aminoglycoside potentiation on *Escherichia coli* persists by metabolic stimulation. 2016. *International Journal of Toxicological and Pharmacological Research*, 8(5): 406 – 411.
- Acute and chronic toxicity studies of Tuba-tuba *Jatropha curcas* L. (1753) leaf extract on albino rats (*Rattus norvegicus*). 2016. *International Journal of Pharmacognosy and Phytochemical Research*, 8(7):1154 - 1159.
- ACE (Angiotensin Converting Enzyme) Inhibition Activity of Oven-dried and Air-Dried Sambong *Blumea balsamifera* L. (Dc.) Tea. 2016. *International Journal of Pharmacognosy and Phytochemical Research*, 8(7):1132 - 1136.
- Drug Delivery Systems. 2016. ISBN: 978-971-539-076-7. USC Press, Philippines.
- Essentials of Inorganic Medicinal Chemistry. 2017. ISBN: 978 – 971 – 539 – 074 – 3. USC Press, Philippines.

RESEARCH PRESENTATIONS

- *Residence time of loratadine prolonged after intranasal administration of its gel formulation* | 81st FIP World Congress of Pharmacy and Pharmaceutical Sciences (Brisbane, Australia), September 2023

- *Spray-drying technique retains the alpha-glucosidase inhibitory activity of ethnopharmacological plants* | 81st FIP World Congress of Pharmacy and Pharmaceutical Sciences (Brisbane, Australia), September 2023.
- *Enhanced nose-to-brain delivery of tranilast using liquid crystal formulations* | Monash Initiate 2021 (Kuala Lumpur, Malaysia), June 2021
- *Enhanced nose-to-brain delivery of tranilast using liquid crystal formulations* | 5th University Research Conference (University of San Carlos, Cebu, the Philippines), April 2021
- *Pharmacy education in the Philippines: resilience and response to COVID-19* | 4th International health E-Conference 2020 (Malaysia), December 2020
- *Eyelid skin application extends delivery of drugs in the eyeball* | 79th FIP World Congress of Pharmacy and Pharmaceutical Sciences (Abu Dhabi, United Arab Emirates), September 2019
- *Skin and ophthalmic tissue disposition of topically applied drugs on eyelid skin: optimization of drug targeting to conjunctiva and eyeball* | 44th Formulation and Drug Discovery Seminar (Kanagawa, Japan), August 2019
- *Iontophoresis – assisted delivery of pilocarpine to the eyeball through eyelid skin* | 78th FIP World Congress of Pharmacy and Pharmaceutical Sciences (Glasgow, United Kingdom), September 2018
- *Eyelid skin as a novel site for drug delivery to ocular tissues* | 33rd Annual Meeting of the Academy of Pharmaceutical Sciences and Technology (Shizuoka, Japan), May 2018
- *Eyelid skin: a potential site for transdermal drug delivery* | 77th FIP World Congress of Pharmacy and Pharmaceutical Sciences (Seoul, South Korea), September 2017
- *Acute and chronic toxicity studies of local herbal plants in Cebu, Philippines* | 7th Asian Association of Schools of Pharmacy (AASP) Conference (Taipei, Taiwan), October 2015
- *The antimutagenic activity of labanos *Raphanus sativus* L. var. *longipinnatus* vegetable juice on male albino mice* | 25th Federation of Asian Pharmaceutical Associations (FAPA) Congress (Kota Kinabalu, Malaysia), October 2014
- *The anti-arthritis potential of Barbados nut *Jatropha curcas* linn. (1753) leaf extract in bovine type II collagen-induced arthritis in male albino mice *mus musculus** | International Seminar on Science and Technology (Jember, Indonesia), October 2014
- *Cytotoxic and genotoxic studies on the mucus of *Melo broderipii* and *Lambis lambis* on the early embryonic development of edible sea urchin *Tripnuestes gratilla* Linn. and onion root tip chromosome* | 74th FIP World Congress of Pharmacy and Pharmaceutical Sciences (Bangkok, Thailand), September 2014
- *Household storage of medicines among residents in barangay Talamban, Cebu City* | 6th Asian Association of Schools of Pharmacy (AASP) Conference (Singapore, Singapore), November 2013
- *Cytotoxic effects of *Diplazium esculentum* retz. on the embryonic development of edible sea urchin* | 13th Asian Conference on Clinical Pharmacy (ACCP) (Haiphong, Vietnam), September 2013

SPECIALIZED TRAININGS AND COURSES

- Philippine Pharmacists Association Inc., Certified Immunizing Pharmacist (Philippine Pharmacist Association) May 2021

- Writing in the Sciences (Stanford University thru Coursera) April 2021
- Basic Life Support (American Heart Association) March 2021
- Writing and Publishing Next Research Manuscript using ScienceDirect and Mendeley (Research Academy on Campus – University of San Carlos) February 10, 2021
- Leadership and Management in Health (University of Washington) December 2020
- Good Clinical Practices Training – Workshop (Central Visayas Consortium for Health Research and Development – Department of Science and Technology VII) October 28, 2020
- Introduction to the Principles and Practice of Clinical Research (National Institutes of Health, USA) 2020
- Principles in Clinical Pharmacology (National Institutes of Health, USA) 2020
- ACS Guide for Scholarly Communication (ACS Publications) May 27, 2020
- Advances in Pharmaceutical Dosage Forms (Unilab Medical Education & Development) May 12, 2020
- Google Classroom for Education (Bounce Back PH movement) May 7, 2020
- Education in the New Normal (Bounce Back PH movement) April 30, 2020
- Drug Commercialization (University of California San Diego thru Coursera) July 2018
- Design and Interpretation of Clinical Trials (John Hopkins University thru Coursera) March 2018
- Cosmetic Formulation and Technology Training (Nikkol Cosmos Center, Japan) February 22, 2018
- Advanced Drug Development (Josai University, Japan) July 2017
- Drug Development (University of California San Diego thru Coursera) November 2017
- Post-graduate course on Critical Care Pharmacy (Makati Medical City, the Philippines) April 12 – 14, 2014
- Health Research Priority Setting Workshop (Department of Science and Technology, the Philippines) March 10, 2014
- Chemical Laboratory Safety and Security (University of San Carlos, the Philippines) May 25, 2013
- Drug Product Quality, Equivalency and Regulations (University of the Philippines, the Philippines) November 6 – 7, 2013
- Outcomes-based, typology-based quality assurance and institutional OBE (University of San Carlos, the Philippines) September 7, 2013
- Patient Safety, Training & Research: Interprofessional Approach Towards Improved Patient Outcomes (Philippine Association of Colleges of Pharmacy, the Philippines) October 25, 2011.
- Food and Drug Administration Licensing Seminar (FDA, the Philippines) February 28, 2011.

PROFESSIONAL AFFILIATIONS

- Philippine Association of Colleges of Pharmacy, Inc, **Asst. Treasurer (2025)**
- Philippine Association of Colleges of Pharmacy, Inc, **Vice President for Visayas (20223-2025)**

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- National Research Council of the Philippines, ***Regular member***
- International Pharmaceutical Federation, ***Member***
- American Association of Pharmaceutical Scientists, ***Member***
- Academy of Pharmaceutical Sciences and Technology Japan, ***Member***
- Asian Federation for Pharmaceutical Sciences, ***Member***
- Asian Association Schools of Pharmacy, ***Member***
- Philippine Pharmacists Association, ***Member***
- Philippine Association of Colleges of Pharmacy, ***Member***
- Royal Pharmaceutical Society, ***Member***
- Young Pharmacists Group – Philippines, ***Area Vice-President for Visayas (2020 – 2022)***
- International Pharmaceutical Federation – Young Pharmacists Group, ***Member***
- International Pharmaceutical Federation – Industrial Pharmacy Section, ***Member***
- Carolinian Tertiary Faculty Association, Inc., ***Member***