
FLYNDON MARK S. DAGALEA

Registered Chemical Technician

Department of Physical Sciences, College of Science

UNIVERSITY OF EASTERN PHILIPPINES

University Town, Catarman N. Samar

Philippines, 6400



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EDUCATION

Master of Science in Biochemistry, *on-going*

University of the Philippines – Manila

Ermita, Manila 1000 Philippines

Fellow, Natural Products Research, February 2021

De La Salle University

Taft, Manila 1000 Philippines

Bachelor of Chemistry, April 2018

University of Eastern Philippines

University Town, Catarman, Northern Samar 6400

Thesis Supervisor: Dr. Karina Milagros R. Cui-Lim

University of Eastern Philippines Laboratory High School, **March 2014**

University of Eastern Philippines,

University Town, Catarman, Northern Samar 6400

SCHOLARSHIPS

Recipient of the DOST – JLSS RA 10612 Scholarship
(Year 2016 – 2018) for BS in Chemistry

PAPER PRESENTATIONS

1. **Dagalea, Flyndon Mark**, Karina Milagros C. Lim, Manuela Cecille G. Vicencio, and Nancy M. Bangco. Taxonomical study and documentation of some medicinal plants used by traditional healers in geographically isolated and disadvantage areas in Northern Samar, Philippines (**POSTER PRESENTER**), 38th Annual ASBP Conference, May 31 – June 2, 2021 via Zoom.

2. **Dagalea, Flyndon Mark**, Karina Milagros C. Lim, Manuela Cecille G. Vicencio et al. Utilization of wild macrofungi species in Northern Samar (**ORAL PRESENTER**), 38th Annual ASBP Conference, May 31 – June 2, 2021 via Zoom.
3. **Dagalea, Flyndon Mark**, Karina Milagros C. Lim, Manuela Cecille G. Vicencio, et al. *Salacia korthalsiana* Miq. (Polipog): the wonder herb of Northern Samar (**ORAL PRESENTER**), 9th Annual Conference on Environmental Science, May 3 – 4, 2021 via Zoom.
4. **Dagalea, Flyndon Mark**, Karina Milagros C. Lim et al. Antimicrobial activity of Nipa and Zinc oxide nanoparticles in textile: Solving the scarcity using local resources (**PEOPLE'S CHOICE & ENGAGEMENT AWARD**), 2021 Visayas Regional National Academy of Science and Technology Scientific Meeting, April 13-14, 2021 via Zoom.
5. **Dagalea, Flyndon Mark**, Karina Milagros C. Lim et al. Application of *Nypa fruticans* (Nipa) Palm Species in Northern Samar, 32nd Joint VICAARP and RRDEN Regional Research, Development, and Extension Symposium, March 23-24, 2021 via Zoom.
6. **Dagalea, Flyndon Mark**, Abel Alejandro U. Flores Jr, Karina Milagros C. Lim et al. Bioavailability of Metals from Different Species of Seaweeds in Northern Samar (**BEST POSTER PRESENTER**), 2020 NRCP Visayas Regional Cluster and 17th Annual Scientific General Membership Assembly, October 10, 2020 via Zoom.
7. **Dagalea, Flyndon Mark**, Karina Milagros C. Lim, Judy Ann H. Brensis. Microbial Inhibition of Kappa-Carrageenan Filled with Nanorod-Rich Zinc Oxide (kC/ZnO-N) (**POSTER PRESENTER**), International Congress on Biotechnology and Food Sciences, September 23 – 24, 2020 via Zoom.
8. **Dagalea, Flyndon Mark**, Abel Alejandro U. Flores Jr, Karina Milagros C. Lim, Manuela Cecille G. Vicencio, Olga DG. Unay, and Maria Judy M. Somoray. Application of *Nypa fruticans* (Nipa) Palm Starch Biocomposite (**POSTER PRESENTER**), 69th PHILAAST Annual Convention, September 9-11, 2020 via Zoom.
9. **Dagalea, Flyndon Mark**, Karina Milagros Lim, Judy Ann H. Brensis, Stephanie Celeste Pamintuan, *Microbial Inhibition of Biosynthesized Nano-rod rich zinc oxide (ZnO-N) from kappa-carrageenan* (**POSTER PRESENTER**), 2019 Joint Symposium on Chemical Science between UST and CYCU, September 26-27, 2019, University of Santo Tomas, Espana, Manila.
10. **Dagalea, Flyndon Mark**, Karina Milagros Lim, Janet Agresor, Stephanie Celeste Pamintuan, *Applications of Nypa fruticans (Nipa) filled with Zinc Oxide Nanoparticles* (**ORAL PRESENTER**), 34th Philippine Chemistry Congress, May 28-30, 2019, Waterfront Hotel, Cebu City.

11. **Dagalea, Flyndon Mark** and Karina Milagros Lim, *Biocomposite films from kappa-carrageenan filled with Nanorod-rich oxide: Its Physicochemical and Antimicrobial Properties (POSTER PRESENTER)*, 7th Annual Conference on Environmental Science, June 13-15, 2018, University of Eastern Philippines, Catarman, Northern Samar.

RESEARCH PUBLICATIONS

1. **Dagalea, FMS**, Karina Milagros Lim, Manuela Cecille Vicencio *et al.* 2021. Phytochemical profile of *Saribus rotundifolius* (Anahaw) crude extract found in the University of Eastern Philippines. *Journal of Pharmaceutical Research International*, for online publication.
2. **Dagalea, FMS**, Karina Milagros Lim *et al.* 2021. Are Street Foods Safe: Detection of *Escherichia coli* in Street Foods Sauces. *South Asian Journal of Research in Microbiology*, 9(3): 41-45.
3. **Dagalea, FMS**, Karina Milagros Lim. 2021. Analysis of Biofilms from Biosynthesized Zinc Oxide Nanoparticles. *International Research Journal of Pure and Applied Chemistry*, 22(1): 92-97.
4. **Dagalea, FMS**, Karina Milagros Lim *et al.* 2020. Extraction of Ethanol from *Nypa fruticans* (Nipa) Palm Fruit. *Asian Journal of Physical and Chemical Sciences*, 8(4): 41-45.
5. **Dagalea, FMS**, Karina Milagros Lim *et al.* 2020. Preparation and Application of *Salacia korthalsiana* Miq. (Polipog) Root Extract. *Solid State Technology*, 63(2s): 9817-9820.
6. **Dagalea, FMS**, Karina Milagros Lim *et al.* 2020. Rodenticide Effects of *Aegiceras corniculatum* (Saging-saging) Leaf Crude Extract. *International Journal of Future Generation Communication and Networking*, 13(4): 1324-1328.
7. **Dagalea, FMS**, Karina Milagros Lim, and Manuela Cecille Vicencio. 2020. Antimicrobial Activity of *Datura metel* Linn. (Talong-punay) Fruit Extract. *Journal of Pharmaceutical Research International*, 32(21): 96-101.
8. **Dagalea FMS**, Karina Milagros Lim. 2018. Antimicrobial properties of biocomposite films from kappa-Carrageenan (kC) filled with Nanorod-rich Zinc Oxide (ZnO-N). *Asian Pharmaceutical Journal*, 3(2): 70-73.

TRAININGS/SEMINARS ATTENDED

1. Pitching of DOST-FNRI Nutrition Survey Data and Related Research to NRCP Members. May 26, 2021. DOST – Food and Nutrition Research Institute.
2. Kapakanan ng Tao sa Oras ng Pandemya-Covid (KTOP-COVID). May 11, 2021. National Research Council of the Philippines.
3. 9th Annual Conference on Environmental Sciences (ACES). May 4, 2021. Philippine Environmental Science Association and UPLB – School of Environmental Science and Management.
4. NRCP Capacity Development Webinar for Early-Career Researchers (Phase 1) May 4, 2021. National Research Council of the Philippines.

5. Transitioning to Online Teaching and Learning in HPED. April 26, 2021. University of the Philippines Manila – NTTCHP.
6. Best Practices in Writing and Publishing your Research Paper – in collaboration with DOST. April 23, 2021. DOST and Elsevier.
7. Visayas Regional Scientific Meeting 2021. April 13 – 14, 2021. National Academy of Science and Technology.
8. TEACH BMB: Teaching E-Learning Activities for Class at Home for Biochemistry and Molecular Biology. April 12, 2021. Philippine Society of Biochemistry and Molecular Biology – Southern Luzon Chapter.
9. 32nd Joint VICARP and RRDEN Regional Research, Development, and Extension Symposium. March 23 – 24, 2021. Visayas Consortium for Agriculture, Aquatic, and Resource Program (VICAARP).
10. Demystifying IP: Emphasis on Trademarks and Copyrights. March 22, 2021. Ateneo De Manila University – IPO.
11. Chemometrics and Clinical Metabolomics. March 19, 2021. De La Salle University and DOST – PCHRD.
12. 2021 NRCP Annual Scientific Conference and 88th General Membership Assembly. March 10, 2021. National Research Council of the Philippines.
13. Basic Training on Laboratory Instruments and Techniques. February 16 – 17, 2021. Integrated Chemists of the Philippines.
14. NSTEP Visayas' 2021 NRCP Membership Promotion Caravan. January 12, 2021. National Research Council of the Philippines.
15. iShare: Stories of Inspiration and Creative Research. December 18, 2020. National Research Council of the Philippines.
16. 87th Founding Anniversary Celebration: Affirming the Mandate of NRCP in the New Normal. December 10, 2020. National Research Council of the Philippines.
17. Natural Products Society of the Philippines 2020 E-conference. December 5, 2020. Natural Products Society of the Philippines.
18. NPSP Webinar Series: The Value of Natural Products in the time of COVID-19 and Beyond. November 14, 2020. Natural Products Society of the Philippines.
19. Virtual Speakers Bureau. November 13, 2020. National Academy of Science and Technology and Department of Science and Technology Regional Office No. 8.
20. Annual Scientific Conference and 17th General Membership Assembly of the NRCP Visayas Region. October 20, 2020. National Research Council of the Philippines.
21. Key Principles of Gas Chromatography (Session 7: Data Processing). July 15, 2020. Shimadzu.
22. Forensics and Pandemics: Concepts, Challenges, and Planning Ahead (A Webinar Series – Session #2: Challenges). July 8, 2020. University of the Philippines – Manila.
23. Forensics and Pandemics: Concepts, Challenges, and Planning Ahead (A Webinar Series – Session #1: Concepts). July 1, 2020. University of the Philippines – Manila.

24. TWRs 2: Patent Search and Patent Drafting. January 16 – 17, 2020. University of Eastern Philippines, Catarman, Northern Samar.
25. TWRs 1: Writing Research Proposals with Appropriate Design. November 7 – 8, 2019. University of Eastern Philippines, Catarman, Northern Samar.
26. 2019 Joint Symposium on Chemical Science between UST and CYCU. September 26 - 27, 2019. University of Santo Tomas, Espana, Manila.
27. 34th Philippine Chemistry Congress. May 28 – 30, 2019. Kapisanang Kimika ng Pilipinas, Cebu City.
28. Design and Construction of Low-Cost Gas Chromatography. October 4, 2018. Ateneo De Manila University, Quezon City.
29. 7th Annual Conference on Environmental Science. June 13 – 15, 2018. University of Eastern Philippines, Catarman, Northern Samar.

LEARNING MATERIALS DEVELOPED

Learning Guide in Biochemistry

ISBN: 978 – 971 – 672 – 094 – 5

Learning Guide in Chemistry for Engineers

ISBN: 978 – 971 – 672 – 114 – 0

PROFESSIONAL QUALIFICATION

Licensure Examination for Chemical Technician

Philippine Regulation Commission License number 5185

TEACHING/WORK EXPERIENCE

- **PART-TIME LECTURER**, University of Eastern Philippines,
University Town, Catarman, Northern Samar
January 2019 – present

MEMBERSHIP IN ASSOCIATION/ORGANIZATION

Kapisanang Kimika ng Pilipinas, Inc.
(Member)

National Research Council of the Philippines
(Associate Member)

Natural Products Society of the Philippines, Inc.
(Associate Member)

Integrated Chemists of the Philippines
(Associate Member)

RESEARCH INTERESTS

- Nanoparticles
- Natural Products

PERSONAL BACKGROUND

Permanent Address	Brgy. Salhag, Rosario Northern Samar 6416
Date of Birth	03 August 1998
Citizenship	Filipino
Sex	Male
Civil Status	Single

PROFESSIONAL REFERENCES

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