

Thearum RIN



Experience

November 2021–Present

Researcher • Chemical Engineer • Prince of Songkla University (PSU)

May 2017–May 2019

Research & Development • Staff • C.P. Cambodia Co., Ltd

Education

2024–Present

- Doctor of Philosophy in Mining and Materials Engineering, awarded the PSU Graduate School Scholarship

2019–2021

Prince of Songkla University, Thailand

- Master of Engineering in Chemical Engineering (International program), awarded the Thai Royal Scholarship under Her Royal Highness Princess Maha Chakri Sirindhorn

2013–2016

University of Phayao, Thailand

- Bachelor of science (B.Sc.) in Chemistry, awarded the Thai Royal Scholarship under Her Royal Highness Princess Maha Chakri Sirindhorn.

2010–2012

Hun Sen Ou Reang Ov High School

- (Bac II, grade B, 97.929/100)

Research

2019–2021

- Worked on project “Hydrogen Generation from the Hydrolysis of Aluminum promoted by Ni–Li–B Catalyst” with Assoc. Prof. Dr. Chayanoot Sangwichien and Assoc. Prof. Dr. Ram Yamsaengsung


2016

- Worked on project “Fabrication of Graphene/gold Nanoparticles composites and their catalytic application” with Assoc. Prof. Dr. Widsanusan Chartarrayawadee

Certificates & Extra-Activities

- 2019–2021 : Served as a laboratory assistant at the Department of Chemical Engineering, Faculty of Engineering, Prince of Songkla University (PSU)
- April–July 2019 : Thai Language Preparation Program (Issued by MSU, Thailand)
- December 2018 : GMP/HACCP Internal Audit (Issued

Contact

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- August 2018 : by SGS (Cambodia) Limited
: GMP/HACCP Documentation (Issued by SGS (Cambodia) Limited)
- August 2018 : GMP/HACCP Requirement & Interpretation (Issued by SGS (Cambodia) Limited)
- February–May 2013 : Thai Language Preparation Program (Issued by MSU, Thailand)
- August 2012 : Leadership & goal setting (Issued by Foreign Language Educational)
- November 2011 : Advanced democracy seminar (Issued by Youth Council of Cambodia aided by USAID)
- October 2011 : Key of thinking ideas to success (Issued by Human Resource Training School)

Skills

- Quick learner, flexible, patient, hard-working, enthusiastic
- Self-confidence and high responsibility
- Team player and individual
- Good communication and interpersonal skill
- Be able to use 3 languages: Khmer (native language), English and Thai
- **Analysis:** Graphene production, Gold, Zinc and Silver nanoparticles production, Hydrogen generation, Aluminum-water reactions, SEM, TEM, XRD, XRF, AAS, EDS, UV-vis, GC, PSD, BET.

Publications

4. Synthesis of ZnO nanopowder using zinc Zamak dross and adsorption of Pb. *Materials Today Communications* 2024;39:108577.
<https://doi.org/10.1016/j.mtcomm.2024.108577>.
3. Hydrogen Generation from the Hydrolysis of Aluminum Promoted by Ni–Li–B catalyst. *International Journal of Hydrogen Energy*, 46, no. 56 (August 2021): 28450–28461.
<https://doi.org/10.1016/j.ijhydene.2021.06.101>.
(Elsevier, SCIE Q2/Impact factor = 7.2, H-index: 248)
2. Green synthesis and stabilization of silver nanoparticles using *Lysimachia foenum-graecum* Hance extract and their antibacterial activity. *Green Processing and Synthesis*, 9, no. 1 (2020): 107–118.
<http://dx.doi.org/10.1515/gps-2020-0012>
(Walter de Gruyter GmbH, SCIE Q2/Impact factor = 4.3, H-index: 33)
1. Fabrication of Graphene-Gold Nanoparticles Hybrid Materials as Active Catalysts for the Degradation of Formaldehyde Health Science, *Science and Technology Reviews*, 16 (2), 80-94.
<https://li01.tci-thaijo.org/index.php/journalup/article/view/256531>

Reference

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