CURRICULUM VITAE

Nirumon Chailek

Dr. of Chemistry

CONTACT

0826154428

189, Phusang District, Phayao, 56110, Thailand, Citizen of Thailand

nirumon@g.swu.ac.th

SKILLS

- Time management 90%
- Communication 90%
- Leadership 90%

LANGUAGE

Thai

English

AWARDS

Certificate for Academic Excellence Award, Faculty of Science, Chiang Mai University, Year 2011 (GPA 3.78)

Certificate for Academic Excellence Award, Faculty of Science, Chiang Mai University, Year 2012 (GPA 3.84)

Certificate for Academic Excellence Award, Faculty of Science, Chiang Mai University, Year 2013 (GPA 3.85)

EDUCATION

2018-2021
Ph.D. (Chemistry) (GPA=3.93)

Silpakorn University (SU), Nakhon Pathom, Thailand.

2014-2018
M.S. (Chemistry) (GPA=3.85)

Chiang Mai University (CMU), Chiang Mai, Thailand.

2010-2014
B.S. (Industrial Chemistry) (GPA=3.65)

Chiang Mai University (CMU), Chiang Mai, Thailand.

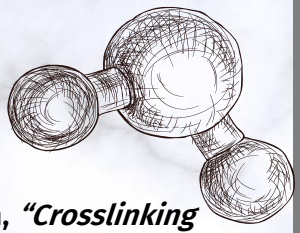
EXPERIENCE

2014-2017 Teaching Assistance (TA) of General Chemistry Laboratory for Science at Chiang Mai University, Chiang Mai.

2017-2018 Teacher (Chemistry) at Sacred Heart College, Chiang Mai.

2020 Teaching Assistance (TA) of Physical Chemistry Laboratory for Science at Silpakorn University, Nakhon Pathom.

2021–now Teacher of Somdejya demonstration community school, College of Creative Agriculture for Society, Srinakharinwirot University, Maechaem, Chiang Mai.



Papers (International Published)

- **N. Chailek, D. Daranarong, W. Punyodom, R. Molloy, P. Worajittiphon, *"Crosslinking assisted fabrication of ultrafine poly(vinyl alcohol)/ functionalized graphene electrospun nanofibers for crystal violet adsorption*", Journal of Applied Polymer Science, 135, (2018) 46318. (impact factor: 3.125)**
- **O. Hanmeng, N. Chailek, A. Charoenpanich, P. Phuekvilai, N. Yookongkaew, N. Sanmanee, J. Sirirak, P. Swanglap, N. Wanichacheva, *"Cu^{2+}-selective NIR fluorescence sensor based on heptamethine cyanine in aqueous media and its application*", Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 240, (2020) 118606. (impact factor: 4.098)**
- **S. Kraithong, N. Chailek, J. Sirirak, K. Suwatpipat, N. Wanichacheva, P. Swanglap, "*Improving Sensitivity of a new Hg^{2+}-Selective Fluorescent Sensor by Silver Nanoparticles via Plasmonic Enhancement*", Journal of Photochemistry and Photobiology A: Chemistry, 407 (2021) 113064. (impact factor: 3.261)**
- **S. Girdthep, O. Hanmeng, N. Triamnak, N. Chailek, N. Wanichacheva, "*Theoretical solvent selection for nanostructured surface fabrication of reusable and colourimetric visual-eye sensor strips with rhodamine derivative-encapsulated polymeric membranes for highly sensitive and selective detection of Hg^{2+}*", Polymer Testing, 97, (2021) 107151. (impact factor: 4.282)**
- **N. Chailek, N. Kaewnok, A. Petdum, J. Sirirak, S. Chaneam, A. Kamkaew, S. Girdthep, N. Wanichacheva, *"Near infrared and colorimetric fluorescence sensor for ultra-selective detection of Cu^{2+} level with applications in diverse water samples, brain tumor cell and flow injection analysis",* Journal of Photochemistry and Photobiology A: Chemistry, 421 (2021) 113533. (impact factor: 3.261)**
- **N. Kaewnok, N. Chailek, W. Muansrichai, S. Wangngae, A. Petdum, W. Panchan, A. Kamkaew, J. Sirirak, P. Swanglap, T. Sooksimuang, N. Wanichacheva, *"Novel [5] helicene derivative as reversible and selective Hg^{2+} fluorescence sensor and its application in human cells",* Journal of Photochemistry and Photobiology A: Chemistry, 444 (2023) 114968. (impact factor: 5.141)**

Papers (National Published)

- ลัดดาวัลย์ มาเมือง, พรสวรรค์ สุวรรณสันติชัยปัทมา กุออ, หัสยา จุ้ยสกุล, **นิฤมล ใจเหล็ก**, จีรเดช จานเก่า, ปิยราช สมบัติ, สิงหา แซ่ตั้ง, มนัส ยิ่งวิทยาคุณ, อนันต์ สุขสันต์ฤทัย, สุวิชาน พัฒนาไพรวัลย์ ,*"การออกแบบกระบวนการเรียนรู้สำหรับปรับพื้นฐานการเรียนแก่นักเรียนชาติพันธุ์ ชั้นมัธยมศึกษาปีที่ 1 โรงเรียนสาธิตชุมชนการเรียนรู้สมเด็จย่า วิทยาลัยโพธิวิชชาลัย มหาวิทยาลัยศรีนครินทรวิโรฒ แม่แจ่ม"*, วารสารครุศาสตร์สาร ปีที่ 17 ฉบับที่ 2.

Patents

- Nantanit Wanichacheva, Anyanee Kamkaew, Jitnapa Sirirak, Sutinee Girdthep, Sumonmarn Chaneam, Nirumon Chailek, "2-((E)-2-((E)-2-((2-((4-((2-formamidoethyl)thio)butyl)thio)ethyl)amino)-3-(2-((E)-1,3,3-trimethylindolin-2-ylidene)ethylidene)cyclohex-1-en-1-yl)vinyl)-1,3,3-trimethyl-3H-indol-1-ium for copper ion sensing" Application NO. 2101003381, June 11th, 2021.
- Nantanit Wanichacheva, Jitnapa Sirirak, Anyanee Kamkaew, Thanasat Sooksrimuang, Waraporn Panchan, Anuwut Petdum, Nirawit Kaewnok, Nirumon Chailek, "1-(7,12-dimethoxy-1,3-dioxo-1,3,4,5,14,15-hexahydro-2H-dinaphtho[2,1-e:1',2'-g]isoindol-2-yl)-3-phenylthiourea for mercury ion sensing and the synthesis thereof" Application NO. 2101007021, November 11th, 2021.

Poster presentation

- N. Chailek, D. Daranarong, W. Punyodom, R. Molloy, P. Worajittiphon, "Preparation, Characterization and Dye Adsorption Behavior of Electrospun Mats Based on Poly(vinyl alcohol)/Graphene Composite", 2nd THAILAND-KOREA MINI SYMPOSIUM ON BIOMEDICAL AND POLYMER RESEARCH, 9 January 2017, Chiang Mai, Thailand.
- N. Chailek, O. Hanmeng, N. Triamnak, S. Girdthep, N. Wanichacheva, "Colourimetric visual-eye sensor electrospun strips of reusable for highly sensitive and selective detection of Hg^{2+}", The 2021 National RGJ and RRI Conferences, 14 June 2021, Online.

ACADEMIC SCHOLARSHIP SUPPORT

- Thailand Research Fund (TRF), the Commission on Higher Education (CHE) and the Chiang Mai University (CMU) Junior Research Fellowship Program; for Master degree.
- The Royal Golden Jubilee Ph.D. Program (RGJ-Ph.D. Program); for Doctoral degree. (PHD/0191/2561)