



University of Phayao
School of Science
Department of Chemistry
19 M.2 Tombol Meaka
Mueang, Phayao 56000
Thailand

chakkresit.ch@up.ac.th
Phone: +66 054 466664 ext 1712
Mobile: +66 061 795 8227
Fax: +66 054 466666

Chakkresit Chindawong, Dr.rer.nat.

Education

Apr 2011 – Mar 2015

Technische Universität Clausthal

Dr.rer.nat., Physical Chemistry,
Clausthal-Zellerfeld, Germany

Jun 2002 – Oct 2004

Mahidol University

M.Sc., Physical Chemistry
Bangkok, Thailand

Jun 1998 – Mar 2002

Mahidol University

B.Sc., Chemistry
Bangkok, Thailand

Awards & Grants

2011-2015

Scholarship from Thai Ministry of Science and Technology

2019-2020

Partnership for research In Geopolymer Concretes Grant
(PriGeoc) from the European Commission REA via Marie
Sklodowska-Curie Research and Innovation Staff Exchange
programme

Skills & Activities

Nanomaterials, Crystalline Nanocelluloses, Liquid Crystals, Film Formation, Water-Soluble Polymers, Composite Materials

Journal Publications

M. Schulz, H. Römermann, K. Pohl, **C. Chindawong**, D. Johannsmann: *Latex Films with In-Plane Composition Gradients Caused by Lateral Drying*. *Soft Materials* (2015);
13(3):150423132313007., DOI:10.1080/1539445X.2015.1039650

C. Chindawong, D. Johannsmann: *An Anisotropic Ink Based on Crystalline Nanocellulose: Potential Applications in Security Printing*. Journal of Applied Polymer Science (2014); 131(22)., DOI:10.1002/app.41063

C. Chindawong, N. Damrongwiriyanupap, P. Dimitrios, K. Pimraksa, N. Setthaya: *Water absorption and compressive strength of various coal fly ash-based geopolymer pastes*, Advances in Cement Research (2021); 1-10. <https://doi.org/10.1680/jadcr.20.00086>

P. Mekkattanachai, L. Zhu, N. Setthaya, **C. Chindawong**, W.G. Song: *The Highly Effective Cobalt Based Metal–Organic Frameworks Catalyst for One Pot Oxidative Esterification Under Mild Conditions*. Catalysis Letters (2021); 1-12. <https://doi.org/10.1007/s10562-021-03754-x>

C. Chindawong, N. Setthaya, P. Mekkattanachai, N. Damrongwiriyanupap, K. Pimraksa, D. Johannsmann: *Effect of adding carboxymethyl cellulose, zeolite and microcrystalline cellulose on the optical and mechanical properties of latex composite films*, IOP Conference Series: Materials Science and Engineering (2021); 1-10. (Accepted)

Conference Proceedings

C. Chindawong and D. Johannsmann: *Light-Induced Structure Formation in Drying Films*. Polydays 2012: Polymers and Light, Humboldt-Universität zu Berlin–Campus Adlershof, Berlin; Germany; September 30 - October 2, 2012.

M. Schulz, H. Römermann, K. Pohl, **C. Chindawong**, D. Johannsmann: *Latex Films with In-Plane Composition Gradients Caused by Lateral Drying*. European Coating Symposium Eindhoven 2015, Eindhoven University of Technology, Eindhoven, The Netherlands; 09/2015.

N. Damrongwiriyanupap, S. Limkatanyu, W. Sae-Long, **C. Chindawong**, N. Setthaya, T. Phoo-Ngernkham, S. Hanjitsuwan, P. Chindaprasirt, L.Li: *Effects of fine aggregates replacement by recycled glass on properties of high calcium fly ash geopolymer mortar*, Abstract book of the 21st International Union of Materials Research Societies- International Conference in Asia (IUMRS-ICA 2020), Chiang Mai University, Thailand, 02/2021.

C. Chindawong, N. Setthaya, P. Mekkattanachai, N. Damrongwiriyanupap, K. Pimraksa, D. Johannsmann: *Effect of adding carboxymethyl cellulose, zeolite and microcrystalline cellulose on the optical and mechanical properties of latex composite films*, Abstract book of the 21st International Union of Materials Research Societies- International Conference in Asia (IUMRS-ICA 2020), Chiang Mai University, Thailand, 02/2021.