

นางดารากรณ์ เตรียมโพธิ์

Dr. Darapond Triampo

สถานที่ทำงาน ภาควิชาเคมี คณะวิทยาศาสตร์ (สาขายา) มหาวิทยาลัยมหิดล

999 พุทรมณฑล สาย 4 ต.สาขายา อ.พุทรมณฑล

นครปฐม 73170

โทรศัพท์ 02 441 9816 ext 1143

โทรสาร 02 889 2337

e-mail: scdar@mahidol.ac.th

โทรศัพท์มือถือ 087-915-1128

ประวัติการศึกษา

คุณวุฒิ	สาขา	ชื่อสถานศึกษา	ปีที่ พ.ศ. ที่จบ
B.Sc.	Chemistry	International College, Mahidol University	2537
M.Sc.	Materials Science and Engineering	Stevens Institute, NJ, USA	2540
Ph.D.	Chemical, Biochemical, and Materials Engineering	Stevens Institute, NJ, USA	2543

5. สาขาวิชาที่เชี่ยวชาญ (ตอบได้มากกว่า 1 สาขา)

Transmission Electron Microscopy, Atomic Force Microscopy, TiO₂ nanoparticle synthesis and stabilization, Nanoparticle aggregation

6. ผลงานวิจัยย้อนหลัง 5 ปี (ปี 2002-ปัจจุบัน)

(as first author or corresponding author)

1. Wuttisela K, Shobsngob S, Triampo W, **Triampo D***,
“Amylose/amylopectin simple determination in acid hydrolyzed tapioca
starch,” JOURNAL OF THE CHILEAN CHEMICAL SOCIETY, in press 2008
(Impact Factor = 0.540)

2. Termnak S, Sintasanai K, **Triampo D***, Nipithakul T, Amornsakchai T. "Chemical morphology in grafting acrylamide to polyethylene," CHINESE JOURNAL OF POLYMER SCIENCE, in press 2008. (Impact Factor = 0.506)
 3. Sroiraya S, Triampo W, Morales NP, **Triampo D***, "Kinetics and mechanism of hydroxyl radical formation studied via electron spin resonance for photocatalytic nanocrystalline titania: Effect of particle size distribution, concentration, and agglomeration," JOURNAL OF CERAMIC PROCESSING RESEARCH, in press 2008. (Impact Factor = 0.534)
 4. **Triampo D**, Triampo W*, Tang IM, Lenbury Y. "The stochastic model of non-equilibrium mutagen-induced alterations of DNA: Implication to genetic instability in cancer," BIOSYSTEMS 90(3) 870-880, NOV-DEC 2007 (Impact Factor = 1.144)
 5. **Triampo D***, Shobsngob S, Triampo W, Pongkitiwanichkul P. "Modified self-avoiding walk in a polymerization process," JOURNAL OF THE KOREAN PHYSICAL SOCIETY 46(6):1429-32, 2005. (Impact Factor = 0.828)
- (as co-author)
6. Junthorn U., Unai S., Kanthang P., Ngamsaad W., Modchang C., Triampo W*, Krittanai C., **Triampo D**, Lenbury Y, "Single-Particle Tracking Method for Quantitative Tracking and Biophysical Studies of the MinE Protein," JOURNAL OF THE KOREAN PHYSICAL SOCIETY 52(3) 639-648, March 2008 (Impact Factor = 1.328)
 7. Sungkaworn T, Triampo W*, Nalakarn P, **Triampo D**, Tang IM, Lenbury Y, Picha P. "The effects of TiO₂ nanoparticles on tumor cell colonies: Fractal dimension and morphological properties," INTERNATIONAL JOURNAL OF BIOMEDICAL SCI. 2(1):1306-1216, 2007. (Impact Factor = on ISI database)

8. Aphiwantrakul S, Srihirin T*, **Triampo D**, Putiworanat R, Limpanart S, Osothchan T, Udomkichdechcha W. "Role of the cation-exchange capacity in the formation of polystyrene-clay nanocomposites by in situ intercalative polymerization," JOURNAL OF APPLIED POLYMER SCIENCE 95(4):785-789, 2005. (Impact Factor = 1.072)

9. Wong-Ekkabut J, Triampo W*, Tang IM, **Triampo D**, Baowan D, Lenbury Y. "Vacancy-mediated disordering process in binary alloys at finite temperatures: Monte Carlo simulations," JOURNAL OF THE KOREAN PHYSICAL SOCIETY 45(2):310-317, 2004. (Impact Factor = 0.828)

10. Triampo W *, Doungchawee G, **Triampo D**, Wong-Ekkabut J, Tang IM. "Effects of static magnetic field on growth of leptospire, Leptospira interrogans serovar canicola: Immunoreactivity and cell division," JOURNAL OF BIOSCIENCE AND BIOENGINEERING 98(3):182-186, 2004. (Impact Factor = 0.948)