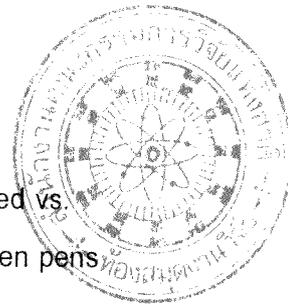


- [http://eu.lib.kmutt.ac.th/elearning/Courseware/BCT611/Chap3/chapter3\\_3.html](http://eu.lib.kmutt.ac.th/elearning/Courseware/BCT611/Chap3/chapter3_3.html), 2011
- [www.riclib.nrct.go.th/ebook/fruit/cane.pdf](http://www.riclib.nrct.go.th/ebook/fruit/cane.pdf), 2012
- [http://www.khlongtaphao.com/index.php?file=forum&obj=forum.view\(cat\\_id=03,id=16\)](http://www.khlongtaphao.com/index.php?file=forum&obj=forum.view(cat_id=03,id=16))  
(28/04/2011)
- <http://www.oknation.net/blog/print.php?id=104406>, 11, 14, 2012
- ไพโรจน์ กลิ่นพิทักษ์ มนัส แซ่ด่าน และ กัลยาณี คงสีทอง 2537 การเตรียมยางธรรมชาติโครงสร้างตาข่ายห่อหุ้มปุ๋ยยูเรียโดยใช้ระบบควบคุมการปลดปล่อย รายงานการวิจัยคณะวิทยาศาสตร์และเทคโนโลยี มหาวิทยาลัยสงขลานครินทร์ Z A
- เจริญศักดิ์ โรจนฤทธิ์พิเชษฐ์; ปิยะวุฒิ พูลสงวน; วิจารณ์ วิชชุกิจ; จำลอง เจียมจันทรรจา; เอ็จ สโรบล; ปิยะ ดวงพัตรา; วัชรลี เลิศมงคล มนัสสำปะหลังพันธุ์เกษตรศาสตร์ 50: เอกสารเผยแพร่ทางวิชาการ ฉบับที่ 1 ชุด โครงการเพื่อบรรเทาผลกระทบทางสังคมเนื่องจากวิกฤตการณ์เศรษฐกิจ, ภาควิชาพืชไร่นา คณะเกษตร มหาวิทยาลัยเกษตรศาสตร์ม 2542
- สอาด ริยะจันทร์ ออกซิเดชันและการแตกสลายโดยแสงของยาง มหาวิทยาลัยสงขลานครินทร์ 2553
- Atkinson, L.J. and N.H. Fortunato. (1996) *Berry & Kohn's Operating Room Techniques*. St.Louis: Mosby.
- Abd El-Ghaffar, M.A., El-Nashar, D.E., Youssef, E.A.M. (2003) Maleic acid/phenylene diamine adducts as new antioxidant amide polymers for rubber (NR and SBR) vulcanizates. *Polymer Degradation and Stability* 82:47–57
- Amnuaypanich, S., Patthana, J., Phinyocheep. P. (2009) Mixed matrix membranes prepared from natural rubber/poly(vinyl alcohol) semi- interpenetrating polymer network (NR/PVA semi-IPN) incorporating with zeolite 4A for the pervaporation dehydration of water–ethanol mixtures. *Chemical Engineering Science* 64: 4908– 4918
- Antoine, R., Luc, R., Gilbert R.G. (2004). Synthesis and properties of composites of starch and chemically modified natural rubber. *Polymer*.45 7813–7820
- Aoshuang, Y., Zhengtao, G., Li, L., Ying, Z., Peng, Z. (2002) The mechanical properties of radiation-vulcanized NR/BR blending system. *Radiation Physics and Chemistry* 63:497–500
- Alacon, C.D.I.H., Twaites, B., Cunliffe, D. Smith, J.R. and Alexander, C. 2005 Grafted thermo- and pH responsive co-polymer: surface-properties and bacterial adsorption. *International Journal of Pharmaceutics*, 295:77-91.



- Bolhuis, E., Brand, H.V.D., Staals, S., Gerrit, W.J.J. (2007) Effects of pregelatinized vs. native potato starch on intestinal weight and stomach lesions of pigs housed in barren pens or on straw bedding. *Livestock Science* 109:108–110
- Basfar, A.A., Abdel-Aziz, M.M., Mofti, S. (2002) Influence of different curing systems on the physico-mechanical properties and stability of SBR and NR rubbers. *Radiation Physics and Chemistry* 63 : 81–87
- Carvalho, A.J.F., Job, E., Alves, N., Curvelo, A.A.S.(2003). Thermoplastic starch/natural rubber blends. *Carbohydrate Polymers*.53: 95–99
- Chaikumpollert, O., Sae-Heng, K., Wakisaka, O., Mase, A., Yamamoto, Y. and Kawahara, S. (2011) Low temperature degradation and characterization of natural rubber. *Polymer Degradation and Stability*. 96:1989-1995.
- Chi, L., Yan, S., Jia Demin, J. (2008). Chemically modified starch reinforced natural rubber composites. *Polymer* 49:2176–2181
- Chen, L., Xie, Z., Zhauang, X., Chen, X. and Jing, X. (2008). Control of urea encapsulated by starch-g-poly(L-lactide). *Carbohydrate Polymers*. 72:342-348.
- Chang, C.P., Dobashi, T. (2003). Preparation of alginate complex capsules containing eucalyptus essential oil and its controlled release. *Colloids and Surfaces B: Biointerfaces*, 32: 257-262
- Coucke, D., Schotsaert, M, Libert, C., Pringels, E., Vervaet, C., Foreman, P., Saelens, X., Remon, J.P. (2009). Spray-dried powders of starch and crosslinked poly(acrylic acid) as carriers for. *Vaccine* 27:1279–1286
- Demiante, I.M., Dupuy, N., Huvenne, J.P., Cereda, M.P., Wosiacki, G. (2000) Relationship between baking behavior of modified cassava starches and starch chemical structure determined by FTIR spectroscopy *Carbohydrate Polymers* 42:149–158
- Dufresne, A. (2009).Cassava bagasse cellulose nanofibrils reinforced thermoplastic cassava starch. *Carbohydrate Polymers* 78:422–431
- Derouet, D., Intharapat, P., Tran, Q.N., Gohier, F., Nakason C. (2009). Graft copolymers of natural rubber and poly(dimethyl(acryloyloxymethyl) phosphonate) (NR-g-PDMAMP) or poly(dimethyl(methacryloyloxyethyl) phosphonate) (NR-g-PDMMEP) from photopolymerization in latex medium. *European Polymer Journal* 45 :820–836
- Demiante I.M., Dupuy N., Huvenne J.P., Cereda M.P., Wosiacki G. (2000). Relationship between baking behavior of modified cassava starches and starch chemical structure determined by FTIR spectroscopy. *Carbohydrate Polymers*. 42 :149–158

Gardner, J.R. and M.M. Peel. (1991). Introduction to Sterilization, Disinfection and Infection Control. 2<sup>nd</sup> ed. Melbourne: Churchill Livingstone.

Hassan, S D Young, C Hepburn and R Arizal. (1992). Urea-rubber matrices as slow release fertilizers. I. Modelling of urea release from a urea-rubber matrix. *Fertilizer Research* 31:185-192.

Harun, M.G.H., Kassim, R.F.M. (1993). Study of thermal properties and morphology of interpenetrating polymer networks from natural rubber and polyacrylamide. *Journal of Applied Polymer Science* 49:2229-2233

Holland B.J. and Hay J.N. (2001). The thermal degradation of poly(vinyl alcohol). *Polymer* 42:6775-6783.

Janssen, L. P. B. M. , Marring, Hoogerbrugge E.J.C. and Hoffmann A.C. (1998). The mechanical behaviour of vibrated, aerated beds of glass and starch powder *Chemical Engineering Science*, 53: 761-772

Karapantsios, T.D. (2006). Conductive drying kinetics of pregelatinized starch thin films. *Journal of Food Engineering* 76:477-489

Kongparakul, S., Prasassarakich, P., Rempel, G.L. (2009). Catalytic hydrogenation of styrene-g-natural rubber (ST-g-NR) in the presence of  $\text{OsHCl}(\text{CO})(\text{O}_2)(\text{PCy}_3)_2$ . *European Polymer Journal* 45: 2358-2373

Kaewtatip, K., Tanrattanakul, V. (2008). Preparation of cassava starch grafted with polystyrene by suspension polymerization. *Carbohydrate Polymers*, 73: 647-655

Kumnuantip, C., Sombatsompop, N. (2003). Dynamic mechanical properties and swelling behaviour of NR/reclaimed rubber blends. *Materials Letters* 57:3167-3174

Lanthong P., Nuisin R., Kiatkamjornwong S. (2006). Graft copolymerization, characterization, and degradation of cassava starch-g-acrylamide/itaconic acid superabsorbents. *Carbohydrate Polymers*. 66: 229-245

Liu, C., Shao, Y., Jia, D. (2008). Chemically modified starch reinforced natural rubber composites. *Polymer*.49:2176-2181

Liua, Y., Lva, X.C., Hua, X., Shanb, Z.H., Pu-xin Zhu, P.X. (2010). Effect of adding a small amount of high molecular weight polyacrylamide on properties of oxidized cassava starch. *Carbohydrate Polymers* 81: 911-918

- Maarschalk, V.D.V., H Vromans, H., Groenendijk, W., Bolhuis, G.K., Lerk C.F., (1997). Effect of water on deformation and bond bonding of pregelatinized starch compacts. *European Journal of Pharmaceutics and Biopharmaceutics* 44:253-260
- Manshaie, R., Nourikhorasani, S., Veshare, S.J., Abadchi, M.R. (2011). Effect of electron beam irradiation on the properties of natural rubber (NR)/styrene-butadiene rubber (SBR) blend. *Radiation Physics and Chemistry* 80:100–106
- Manoj K. Ra, V.S. Jaiswal, U. Jaiswal. (2008). Encapsulation of shoot tips of guava (*Psidium guajava* L.) for short-term storage and germplasm exchange. *Scientia Horticulturae* 118:33–38
- Markusch, P.H., Sarpeshkar, A.M. Slow-releases polyurethane encapsulated fertilizer using polyols, US patent 6358296, 2002.
- Nizam El-din, H.M., El-Naggar, A.W.M., Ali, F. (2003). Miscibility of poly(vinyl-alcohol)/polyacrylamide blends before and after gamma irradiation *Polymer International* 52:225-234
- Peerapattana, J., Phuvarit, P., Srijesdaruk, V., Preechagoon, D., Tattawasart, A. (2010). Pregelatinized glutinous rice starch as a sustained release agent for tablet preparations. *Carbohydrate Polymers* 80:453–459
- Parra D.F., Tadini C.C., Ponce P., Luga A.B (2004). Mechanical properties and water vapor transmission in some blends of cassava starch edible films. *Carbohydrate Polymers*.58:475–481
- Ozturk, S.O., Koksel, H., Ng, P.K.W. (2011). Production of resistant starch from acid-modified amylotype starches with enhanced functional properties. *Journal of Food Engineering* 103:156–164
- Riley, C.K., Adebayo, S.A., Wheatley, A.O., Asemota, H.N. (2008). Surface properties of yam (*Dioscorea* sp.) starch powders and potential for use as binders and disintegrants in drug formulations. *Powder Technology* 185:280–285
- Riyajan, R., Chaiponban, S., Tanbumrung, K. (2009) Investigation of the preparation and physical properties of a novel semi-interpenetrating polymer network based on epoxised NR and PVA using maleic acid as the crosslinking agent. *Chemical Engineering Journal* 153: 199–205

Riyajan, S., Sakdakdapiphanich, J. (2010). Characterization of biodegradable semi-interpenetrating polymer based on poly (vinyl alcohol) and sodium alginate containing natural neem for its natural neem control release application, *Polymer International* 59: 1130-1140

Riyajan, S. Development of neem capsule via biopolymer and natural rubber for its controlled release Intech Open Access Publisher " Pesticides in the Modern World/ Book4" ISBN 978-953-307-459-7., 2012

Riyajan, S., Sasithornsonti, Y., Phinyocheep, P. (2012). Green natural rubber -g-modified starch for controlling urea release carbohydrate *Polymers* 89 :251-258

Sae-oui, P. , Sirisinha, C., Thepsuwan, U., Thapthong, P. (2007). Influence of accelerator type on properties of NR/EPDM blends. *Polymer Testing* 26:1062–1067\

Sandhu, K., Singh, N., Seung-Taik Lim., S.T., (2007). A comparison of native and acid thinned normal and waxy corn starches: Physicochemical, thermal, morphological and pasting properties. *LWT* 40:1527–1536

Singh SandhuK., Singh, N., Lim, S.T. (2007) A comparison of native and acid thinned normal and waxy corn starches: Physicochemical, thermal, morphological and pasting properties. *LWT* 40:1527–1536

Sangseethong, K., Termvejsayanon, N., Sriroth. K. (2010). Characterization of physicochemical properties of hypochlorite- and peroxide-oxidized cassava starches *Carbohydrate Polymers* 82:446–453

Shanavas, S., Padmaja, G., Moorthy, S.N., Sajeev, M.S., Sheriff. J.T. (2011) Process optimization for bioethanol production from cassava starch using novel eco-friendly enzymes. *Biomass and bioenergy* 35:901-909

Schlemmer, D., Sales, M.J.A., Resck , I.S. (2009).Degradation of different polystyrene/thermoplastic starch blends buried in soil *Carbohydrate Polymers*, 75:58-62

Somboonchai, W., Nopharatana, M., Songkasiri, W. (2008). Kinetics of cyanide oxidation by ozone in cassava starch production process. *Journal of Food Engineering* 84:563–568

Tang, Q., Sun, X., Li, Q., Wu, J., Jianming Lin, J. (2009). Fabrication of high-strength hydrogel with an interpenetrating network structure. *Colloids and Surface A: Physicochemical and Engineering Aspects*346:91-98

Tangboriboonrat, P., Tanunchai, T. and Tiyapiboonchaiya, C. (1999). Creaming Skim Natural Rubber Latex for Encapsulation of Urea Fertiliser *Plasict Rubber Composite* 28: 357-362

- Teixeira, E.D.M., Pasquini, D., Curvelo, A.A.S., Corradini, E., Belgacem, M.N., Ozturk, S.O., Koksel, H., Ng, P.K.W. (2011). Production of resistant starch from acid-modified amylotype starches with enhanced functional properties. *Journal of Food Engineering* 103:156–164
- Wang, P., Tan, K.L., Ho, C.C., Khew, M.C., Kang, E.T., (2000) Surface modification of natural rubber latex films by graftcopolymerization. *European Polymer Journal* 36:1323-1331
- Yamsaengsung, W., N. Sombatsompop., N. (2009) Effect of chemical blowing agent on cell structure and mechanical properties of EPDM foam, and peel strength and thermal conductivity of wood/NR composite–EPDM foam laminates. *Composites: Part B* 40:594–600
- Zhang, W., Zhang, X., Liang, M., Lu., C. (2008). Mechanochemical preparation of surface-acetylated cellulose powder to enhance mechanical properties of cellulose-filler-reinforced NR vulcanizates. *Composites Science and Technology* 68:2479–2484
- Zhang, S. and Yu, H.Q. (2004). Radiation-induced degradation of poly(vinyl alcohol) in aqueous solutions. *Water Research*. 38:309-316
- Zhi-Fen, W., Zheng, P., Si-Dong, L., Hua, L., Ke-Xi, Z., Xiao-Dong, S., Xin, F. (2009). The impact of esterification on the properties of starch/natural rubber composite. *Composites Science and Technology*. 69:1797–1803