BIBLIOGRAPHY

Amdisen, A. Serum lithium determinations for clinical use. Scand. J. Clin. Lab. Invest. 20 (1967) : 104-108.

Amdisen, A. In : O.Vinar, Z, Votava., and P.B. Bradley (ed.) Quantitative determination of lithium in urine. 67-71. North-Hollan Publishing Co., 1971

Akashi, H., and Yokoyama, Y. Dried-leaf extracts of Stevia : Toxicological test. Shokukin.Kogyo. 18 (1975) : 34-43.

Atherton, J.C.,Green, R., Higgins, A., Large, A., Mc Nicholas, C., Parker,D., Pempkowiak,L., Rajani, k., and Smith,J. Lithium clearance in healthy humans : Effects of sodium intake and diuretics. Kidney. Int. 37, Suppl 28 (1990) : S36-S38.

Baer, P.G. Renal Physiology. In P.B. Curtis-Prior (ed.), Prostaglandins : Biology and chemistry of prostaglandins and related ecosanoids chap 22. Edinburg, London; Melbourne and New York : Churchill Livingstone, 1988.

Bachman,S., and Mundel,P. Nitric oxide in the kidney. Synthesis, localization and function. Am. J.Kid.Dis. 24 (1994) : 112-129

Baines, A.D., and Ho, P. Diacylglycerol and protein kinase mediated noradrenergic responses in perfused rat kidneys. Can.J.Physiol. 68 (1990) : 1157-1164.

Balaban, R.S.,Mandel, L.J., Soltoff, S.P., and Storey, J.M. Coupling of active ion transport and aerobic respiratory rate in isolated renal tubules. Proc. Natl.

Acad. Sci. USA. 77 (1980) : 447-451.

Balis, C., Deen, W.M., Myers, B.P. and Brenner, B.M. Effects of some vasodilator drugs on transcapillary fluid exchange in renal cortex. Am.J. Physiol. 230 (1976) : 1148-1158.

Band, A.M., Jones, P.M. and Howell, S.L. The mechanism of arachidonic acid-induced insulin secretion from rat islet of Langerhans. Biochem. Biophys. Acta. 1176 (1993) : 64-68.

Baumann, M., Bender, E., Stömmer, G., Gross, G., and Brand.K. Effect of warm and cold ischemia on mitochondria functions in brain, liver and kidney. Mol. Cell. Biochem. 87(1989) : 137-145.

Beach, R.E., Schwab, S.J., Brazy, P.C. and Dennis, V.W. Norepinephrine increases Na^+,K^+ATPase and solute transport in rabbit proximal tubules. Am.J. Physiol. 252 (1987) : F215-F220.

Bertorello, A.M., and Katz, A.I. Short-term regulation of renal Na^+-K^+-ATPase activity: Physiological relevance and cellular mechanisms. Am.J.Physiol. 265 (1993): F743-F755.

Bhayana, V., Alto, L.E., and Dhalla, N.S. Effects of pentobarbital and Pentothal on rat heart contractile force and oxidative phosphorylation activities. Gen. Pharmacol. 11(1980) : 375-377.

Black, M.A.,Mealing, G.A., Whitfield, J.F., Schwartz, J-L., and Bégin-Heick, N. Insulin secretion and intracellular Ca^{2+} rises in monolayler cultures of neonatal rat β-cells. Cell.Signal. 6 (1994) : 897-904.

Bonting,S.L., Simon,K.A. and Hawkins, N.A. Studies on sodium-potassium-activated adenosine triphosphatase. Arch.Biochem.Biophys. 95 (1961) : 416-423.

Bracht, A.K., Alvarez, M., and Bracht, A. Effect of Stevia rebaudiana natural products on rat liver mitochondria. Biochem. Pharmacol. 34 (1985a) : 873-882.

Bracht, A.K., Kemmelmeier, F.S., Ishü, E.L., Alvarez, M. and Bracht, A. Effect of Stevia rebaudiana natural products on cellular and sub-cellular metabolism. Arq. Biol.Technol. 28 (1985b) : 431-455.

Brooks, D.P.,Caldwell, N.C., Koster, P.F., Albrighton-Winslow, C.R., and Kinter, L.B. Effect of cyclo-oxygenase blockade on the renal actions of vasopressin and SK&F 105494 in the rhesus monkey. Br.J.Pharmacol. 99 (1990): 750-752.

Buchanan, T.A., and others. Angiotensin II increases glucose utilization during acute hyperinsulinemia via a hemodynamic mechanism. J.Clin.Invest. 92(1993) : 720-726.

Bullock, J. Glomerular filtration and renal blood flow. In J. Bullock, J. Boyle, and M.B. Wang (eds.) Physiology. 3 rd. chap 25. A Waverly Company : Williams and Wilkins, 1995a.

Bullock, J. Antidiuretic hormone. In J. Bullock, J. Boyle, and M.B. Wang (eds.) Physiology. 3 rd. chap 28. A Waverly Company : Williams and Wilkins, 1995b.

Bullock, J. Adrenal gland. In J. Bullock, J. Boyle, and M.B. Wang (eds.) Physiology. 3 rd. chap 49. A Waverly Company : Williams and Wilkins, 1995c.

Bullock, J. Pancrease. In J. Bullock, J. Boyle, and M.B. Wang (eds.), Physiology. 3 rd. chap 51. A Waverly Company : Williams and Wilkins, 1995d.

Campbell, D.J. Circulating and tissue angiotensin systems. J.Clin.Invest. 79 (1987) : 1-6.

Chaiyabutr, N and Buranakarl, C. Effects of exogenous urea infusion on glucose metabolism in acute heat stressed swamp buffaloes (Bubalus Bubalis) Br. Vet. J. 147. (1989) : 538-545.

Chen, T., Lee, B., and Hsu, W.H. Arginine vasopressin-stimulated insulin secretion and elevation of intracellular Ca^{++} concentration in rat insulinoma cells : Influence of a phospholipase C inhibitor 1-[6-[[17β-methoxyestra-1,3,5(10)- trien-17-yl]amino]hexyl]-1H-pyrrole-2,5-dione (U-73122) and a phospholipase A_2 inhibitor N-(p-Amylcinnamoyl) anthranilic acid. J. Pharmacol. Exp. Thera. 270 (1994) : 900-904.

Christensen, S., Steeness, E., and Christensen, H. Tubular sites of furosemide natriuresis in volume-replaces and volume depleted concious rats. J. Pharmacol. Exp.Thera. 239 (1986) : 211-218.

Christine, B., Deen, W.M., Myers, B.D., and Brenner, B.M. Effect of some vasodilator drugs on transcapillary fluid exchange in renal cortex. Am.J. Physiol. 230 (1976) : 1148-1158.

Cogan, M.G. Angiotensin II : A powerful controller of sodium transport in the early proximal tubule. Hypertension. 15 (1990) : 451-458.

Cohen, P.J. Effect of anesthetics on mitochondrial function. Anesthesiology 39 (1973) : 153-164.

Cohen-Luria, R., Rimon, G., and Moran, A. PGE_2 inhibits Na^+-K^+-ATPase activity and ouabain binding in MDCK cells. Am.J.Physiol. 264 (1993) : F61-F65.

Conard, K., and Whittemore, S.L. N^G-monomethyl-L-arginine and nitroarginine potentiate pressor responsiveness of vasoconstrictors in concious rats. Am.J.Physiol. 262 (1992) : R1137-R1144.

Crammer, B. and Ikan, R. Sweet glycosides from the Stevia plant. Chem. Br. 22 (1986) : 915-918

Crofton, J.T., Ratliff, D.L., Brooks, D.P. and Share, L. The metabolic clearance rate of and pressor responses to vasopressin in male and female rats. Endocrinology. 188 (1986) : 1777-1781.

Cryer, P.E. Physiology and pathophysiology of the human sympathoadrenal neuroendocrine system. New.Eng.J.Med. 303 (1980) : 436-444.

Curi, R.,Alvarez, M.,Brazotte, R.B., Botion, L.M., Godoy, J.L. and Bracht, A. Effect of Stevia rebaudiana on glucose tolerance in normal adult humans. Brazilian. J. Med. Biol. Res. 19 (1986) : 771-774.

Deechawan, W. Stevioside and steviol nephrotoxicity and their relationship to urinary enzyme excretion. Master's Thesis, Mahidol University, 1992.

Deetjen, P., Baeyer, H.V., and Drexel, H. Renal glucose transport. In D.W. Seldin, and G. Giebisch (eds.), The Kidney : Physiology and Pathophysiology. 3 vols.2 nd ed. chap 82. New York : Raven Press, 1992.

Despopoulos, A.,and Silbernagl, S. Color Atlas of Physiology. 4th ed. New York : Thieme medical publisher, 1991.

Dibona, G.F. Neural regulation of renal tubular sodium reabsorbtion and renin

secretion. Fed.Proc. 44 (1985) : 2816-2822.

Dibona, G.F. Neural mechanism in body fluid homeostasis. Fed.Proc. 45 (1986) : 2871-2877

Dibona, G.F. Prostaglandins and nonsteriod anti-imflamatory drugs : Effects on renal hemodynamics. Am.J.Med. 80 (1986b) : 12-21.

Doucet, A. Na-K-ATPase in the kidney tubule in relation to natriuresis. Kidney. Int. 41, Suppl 37 (1992) : S118-S124.

Douglas, W.W. Polypeptides-angiotensin, plasma kinins, and others. In. A.G. Gilman, L.S. Goodman, T.W. Rall, and F. Murad (eds.). Goodman and Gilman's the Pharmacological Basis of Therapeutics.7th ed.New York: Macmillan,1995.

Dzau, V.J.,Ellison, K.E., Brody, T., Ingelfinger, J., and Pratt, R.R. A comparative study of the distributions of renin and angiotensinogen messenger ribonucleic acids in rat and mouse tissues. Endocrinology 120 (1987) : 2334-2338.

Elsner, D., Müntze, A., Kromer, E.P., and Riegger, G.A.J. Inhibition of synthesis of endothelium-derived nitric oxide in concious dogs : Hemodynamic, renal and hormonal effects. Am.J.Hypertens. 5 (1992) : 288-291.

Exton, J.H. Perspective in Diabetes : Some thoughts on the mechanism of action of insulin. Diabetes 40 (1991) : 521-526.

Fejes-toth, G., Naray-Fejes-tath, A., and Frolich, J. Acute effect of antidiuretic hormone on urinary prostaglandin excretion. J. Pharmacol. Exp. Thera.

227 (1983) : 215-219.

Fujita, H., and Edahiro, T. Safety and utilization of Stevia sweetener. Shokuhin. Kogyo. 25 (1977) : 2466-2467.

Furchgott, R.F., Cherry, P.D., Zawadzki, J.V., and Jothianandan, D. Endothelial cells as mediators of vasodilation of arteries. J. Cardiovas Pharmacol. 6 (1984) : S336-S343.

Galla, J.N., and others. Effect of lithium on water and electrolyte metabolism Yale. J. Biol.Med. 48 (1975) : 305-314.

Ganguli, S., Sperling, M.A., Frame, C., and Christensen, R. Inhibition of glucagon-induced hepatic glucose production by indomethacin. Am. J. Physiol. 5 (1979) : E358-E365.

Ganong, W.F. Review of Medical Physiology. 17 th ed. California : Lange Medical, 1995.

Garvin, J.L Angiotensin stimulates glucose and fluid absorption by rat proximal straight tubules. J.Am.Soc.Nephrol. 1 (1990) : 272-277.

Garvin, J.L. ANF inhibits norepinephrine-stimulated fluid absorption in rat proximal straight tubules. Am.J.Physiol. 263 (1992) : F581-F585.

Gellai, M.,Silverstein, J.H., Hwang, J-C., Larochelle, F.T., and Valtin,H. Influence of vasopressin on renal hemodynamics in concious Brattleboro rats. Am.J.Physiol. 246 (1984) : F819-F827.

Giugliano,torella,R., Siniscalchi, N., Improta, L., and D' Onofrio,F. The effect of acetyl salicylic acid on insulin response to glucose and arginine in normal man. Diabetologia 14 (1978) : 359-362.

Glinsukon, T., Pimbua, J., and Panickul, T. Stevioside, a natural sweetener from Stevia rebaudiana bertoni : Toxicological evaluation. Thai J.Toxicol. 4 (1988a) : 1-22.

Glinsukon, T., Thamavit, W., Buddhasukh, D., and Cheuychit, P. Histopathological changes in kidney of hamsters and guinea pigs treated with stevioside. Annual Meeting of the toxicological Society of Thailand (Abstracts). Chulalongkorn University, July 19-20 (1988b) : 8.

Granger, J.P., and Solhaug, M.J. Renal interstitial hydrostatic pressure during verapamil induced natriuresis. Am.J.Physiol. 262 (1992) : R432-R436.

Guder, W.G., and Ross, B.P. Enzyme distribution along the nephron. Kidey. Int. 26 (1984) : 101-111.

Gullans, S.R.,Brazy, P.C., Soltoff, S.P., Dennis, V.W., and Mandel, L.J. Metabolic inhibitors : effects on metabolism and transport in the proximal tubule. Am.J.Physiol. 243 (1982) : F113-F140.

Gullans, S.R., and Mandel, L.J. Coupling of energy to transport in proximal and distal nephron. In D.W. Seldin, and G. Giebisch (eds.), The Kidney : Physiology and Pathophysiology. 1 st vol. 2 nd ed. chap 36. New York : Raven Press, 1992.

Guyton, A.C. Textbook of Medical Physiology, 8 th ed. Harcourt Brace Jovanovich, Inc. : W.B. Saunders, 1996.

Hall, J.E., and Brands, M.W. The renin-angiotensin-aldosterone system : Renal mechanisms and circulatory homeostasis. In D.W. Seldin, and G. Giebisch

(eds.), The Kidney : Physiology and Pathophysiology. 3 vols. 2 nd.ed. chap 40. New York : Raven Press, 1992.

Hamlyn, J.M. and Ludens, J.H. Nonatrial natriuretic hormone. In D.W. Seldin, and G. Giebisch (eds.), The Kidney : Physiology and Pathophysiology. 2 nd vol. 2 nd ed. chap 52. New York : Raven Press, 1992.

Hanson, J.R., and Oliveira, B.H. Stevioside and related sweet diterpenoid glycosides. Natl.Prod.Report. 10 (1993) : 301-309.

Harris, S.I., Balaban, R.S., Barrett, L., and Mandel, L.J. Mitochondrial respiratory capacity and Na^+-and K^+-dependent adenosine triphosphatase-mediated ion transport in the intact renal cell. J.Biol.Chem. 256 (1981) : 10319-10328.

Hart, D., and Lifschitz, M.D. Renal physiology of the prostaglandins and the effects of nonsteroidal anti-inflammatory agents on the kidney. Am. J. Nephrol. 7 (1987) : 408-418.

Haynes, W. G., Noon, J.P., Walker, B. R., and Webb, D. J. Inhibition of nitric oxide synthesis increases blood pressure in healthy humans. J. Hypertens. 11 (1993) : 1375-1380.

Hayslett, J. P., and Kashgarian, M. A micropuncture study of the renal handling of lithium. Pflü. Arch. 380 (1979) : 159-163.

Hébert, R.L., Jacobson, H.R., and Breyer, M.D. Prostaglandin E_2 inhibits sodium transport in rabbit cortical collecting duct by increasing intracellular calcium. J.Clin.Invest. 87 (1991) : 1992-1998.

Hecker, M., Foegh, M.L., and Ramwell, P.W. Ecosanoids : Prostaglandin, thromboxanes, Leukotrienes and related compounds. In. A.G. Gilman,

L.S. Goodman, T.W. Rall, and F. Murad (eds.). Goodman and Gilman's the Pharmacological Basis of Therapeutics.7th ed.New York: Macmillan,1995.chap 18

Henke, W., and Jung, K. Ischemia decreases the content of the adenine neucleotide translocator in mitochondria of rat kidney. Biochim. et Biophys. Acta. 1056 (1991) : 71-75.

Higgins, E.S., Seibel, H., Friend, W., and Rogers, K.S. Heterogeneity of renal mitochondria of the rat(40254) Proc.Soc.Exp.Biol.Med158 (1978):595-598.

Holstein-Rathlou, N.H. Lithium transport across biological membranes. Kidney.Int. 37, Suppl 28 (1990) : S4-S9.

Holt, W.F., and Lechene, C. ADH-PGE_2 interactions in cortical collecting tubule. I. Depression of sodium transport. Am.J.Physiol. 241 (1981) : F452-F460.

Howell, S.L., Jones, P.M., and Persaud, S.J. Regulation of insulin secretion : the role of second messengers. Diabetologia 37, Suppl.2 (1994) : S30-S35.

Huang, W.C., Wu, J., and Jin, J. Angiotensin-converting enzyme inhibition causes deterioration in renal function in one-kidney Goldblatt hypertensive rats with and without renal arterial stenosis. Clin.Exp.Pharmacol.Physiol. 19 (1992) : 695-703.

Humboldt, G., and Boeckh, E.M.A. Steviosideo : efeitos cardio-circulatórious em ratos. Ciência é Cultura. 32 (1978) : 206-207.

Ichikawa, I., and Harris, R.C. Angiotensin actions in the kidney : Renewed insight into the old hormone. Kidney. Int. 40 (1991) : 583-596.

Ignarro, L.J. Nitric oxide : A novel signal transduction mechanism for transcellular

communication. Hypertension 16 (1990) : 477-483.

Ikeda, T. Sugar substitutes : reasons and indications for their use. Int. Den.J. 32 (1982) : 33-43.

Ishü, E.L., and Bracht, A. Stevioside, the sweet glycoside of Stevia rebaudiana, inhibits the action of atractlyloside in the isolated perfused rat liver. Res.Commun.Chem.Pathol.Pharmacol. 53 (1986) : 79-91.

Ishü, E.L, and Bracht, A. Stevioside is not metabolized in the isolated perfused rat liver. Res.Commun.Molec.Pathol.Pharmacol. 87 (1995) : 167-175.

Ishü, E.L., Schwab, A.J., and Bracht, A. Inhibition of monosaccharide transport in the intact rat liver by stevioside. Biochem.Pharmacol. 36 (1987) : 1417-1433.

Ito, S., and Ren, Y. Evidence for the role of nitric oxide in macula densa control of glomerular hemodynamics. J. Clin. Invest. 92 (1993) : 1093-1098.

Jacobs, W.R., and Chan, Y.L. Effect of norepinephrine on renal tubular Na-K-ATPase and oxygen consumption. Life Sci. 40 (1987) : 1571-1578.

Johnston, C.I., Fabris, B., and Jandeleit, K. Intrarenal renin-angiotensin system in renal physiology and pathophysiology. Kidney. Int. 44 Suppl.42 (1992) : S59-S63.

Jones, P.M., and Persaud, S.J. Arachidonic acid as a second messenger in neutrient-induced insulin secretion from pancretic β-cells. J.Endocrinology. 137 (1993) :7-14.

Jun, T., and Wennmaln, A. NO-dependent and independent elevation of plasma level of insulin and glucose in rats by L-arginine. Br.J.Pharmacol. 113 (1994) : 345-348.

Jung, K., and Pergande, M. Different susceptibility of cortical and medullary rat kidney mitochondria to ischemic injury. Biomed.Biochem.Acta 47 (1988): 455-460.

Katz, J., Rostami, H., and Dunn, A. Evaluation of glucose turnover, body mass and recycling with reversible and irreversible tracers. Biochem. J. 142 (1974) : 161-170.

Katz, J., and Adrian, I. Renal Na^+-K^+-ATPase : its role in tubular sodium and potassium transport. Am.J.Physiol. 242 (1982) : F207-F219.

Kinoshita, Y. and Knox, F.G. Mechanism of prostaglandin E_2 induced increase of proximal sodium reabsorption in the rat. Am.J.Physiol. 258 (1990) : R82-R86.

Kirchner, K.A. Effect of diuretic and antidiuretic agents on lithium clearance as a marker for proximal delivery. Kidney. Int. 37, Suppl.28 (1990) : S22-S25.

Kirk, K.L., and Schafer, J.A. Water transport and osmoregulation by antidiuretic hormone in terminal nephrons segment. In D.W. Seldin, and G. Giebisch (eds.), The Kidney : Physiology and Pathophysiology. 2 nd vol. 2 nd ed. chap 46. New York : Raven Press, 1992.

Kinghorn, A.D., and Soejarto, D.D. Current status of stevioside as a sweetening agent for human use. Economic and Medical Plant Research.1 st vol., 1-52. New York : Academic Press, 1985.

Klein, L.E., and Lo, C.S. Regulation of renal (Na^++ K^+) - adenosine triphosphatase mRNA levels by corticosterone. Experientia 48 (1992) : 768-773.

Kopp, U.C., and Dibona, G.F. The neural control of renal function. In D.W. Seldin,

and G. Giebisch (eds.), The kidney : Physiology and Pathophysiology. 1 st vol. 2 nd ed. chap 33. New York : Raven Press, 1992

Koppen,B.M. and Stanton, B.A. Sodium chloride transport : Distal nephron. In D.W. Seldin, and G. Giebisch (eds.), The Kidney : Physiology and Pathophysiology. 2 nd vol. 2 nd ed. chap 55. New York : Raven Press, 1992.

Kramp, R.A., Genard, J., Fourmanoir, P., Caron, N., Lackeman., G., and Herman, A. Renal hemodynamics and blood flow autoregulation during acute cyclooxygenase inhibition in male rats. Am.J.Physiol. 268 (1995) : F468-F479.

Kurahashi, H., Yamaguchi, Y., Tsuzuki, S., and Machashi, H. Pharmacological studies of stevioside. Matsumoto.Shiguku 8 (1982) : 56-62.

Lahera, V.,Salom, M.G., Miranda-Guardiola, F., Moncada, S., and Romero, J.C. Effects of N^G-nitro-L-arginine methyl ester on renal function and blood pressure. Am.J.Physiol. 261 (1991) : F1033-F1037.

Laychock, S.G., Modica, M.E., and Cavanaugh, C.T. Arginine stimulates cyclic guanosine 3'-5' -monophosphate formation in rat islets of langerhans and RINm5F insulinona cells. Evidence for L-arginine . Nitric oxide synthase. Endocrinology. 129 (1991) : 3043-3052.

Laycock, J.F., and Lightman, S.L. Cardiovascular interactions between vasopressin, angiotensin and noradrenaline in the Bralttеboro rat. Br.J.Pharmacol. 96 (1989) : 347-355.

Laycock, J.F., and Whitehead, S.A. Vasopressin and vascular regulation : is sex a

factor ? J.Endocrinology. 144 (1995) : 389-392.

Lee, S.J.Lee, K.R., Park, I.R., Kim, K.S., and Tchai, B.S. A study of the safety of stevioside as a new sweetening source. Hanguk.Sikpum.Kwahakhoe.Khi. 11(1979) : 224-231.

Leicester, K.H. The role of prostaglandins in the control of renal function. Br.J. Anasthesia. 69 (1992) :233-235.

Leyssac, P.P., Christensen, P., Hill, R., and Skinner, S.L. Indomethacin blockade of renal PGE-synthesis : Effect on total renal and tubular function and plasma renin concentration in hydropenic rats and on their response to isotonic saline. Acta.Physiol.Scand. 94 (1975) : 484-496.

Leyssac, P.L. Validity of the lithium clearance concept assessed with micropuncture studies. Kidney. Int. 37 (Supp 28) (1990) : S17-S21.

Ling, B.N., Kokko, K.E., and Eaton, D.C. Inhibition of apical Na channels in rabbit cortical collecting tubules by basolateral PGE_2 is modulated by protein kinase C. J.Clin.Invest. 90 (1992) : 1328-1334.

Lippton, H.L.,Mc Namara, D.B., Armstead, W.M., Hayman, A.L., and Kadawitz, P.J. Cardiovascular actions of arachidonic acid metabolites. In P.B.Curtis-Prior (ed.), Prostaglandins : Biology and Chemistry of Prostaglandins and Related Ecosanoids chap 19. Edinburg London Melbourne and New York : Churchill Livingstone, 1988.

Lo, C.S., and Lo, T.N. Triidothyronine augments the number of membrane-bound (Na^+-K^+)-adenosine triphosphatase units, but does not affect the sedimentation properties of plasma membrane components. Endocrinology.

109 (1981) : 1473-1478.

Luckey, T.D. Introduction to intestinal microecology. Am.J.Clin.Nutr. 25 (1972) : 1292.

Malis, C.D., and Bonventre, J.V. Mechanism of calcium potentiation of oxygen free radical injury to renal mitochondria. J.Biol.Chem. 261 (1986) : 14201-14208.

Manning, R.D., Hu, L., and Williamson, T.D. Mechanisms involved in the cardiovascular-renal actions of nitric oxide inhibition. Hypertension. 23 (1994) : 951-956.

Manning, R.D., and Hu, L. Nitric oxide regulates renal hemodynamics and urinary sodium excretion in dog. Hypertension 23 (1994) : 619-625.

Manuel, M.A., and Weiner, M.W. Effect of ethacrynic acid and furosemide on phosphorylation reactions of kidney mitochondria, inhibition of adenosine neucleotide translocase. Biochim. Biophys. Acta 460 (1977) : 445-454.

Marshall, J.J., and Kontos, H.A. Endothelium-derived relaxing factors. A perspective from in *vivo* data. Hypertension. 16 (1990) : 371-386.

Mattson, D.L., and Roman, R.J. Role of kinins and angiotensin II in the renal hemodynamic response to captopril. Am.J.Physiol. 260 (1991) : F670-F679.

McGiff, J.C., Malik, K.U., and Terragno, N.A. Prostaglandin as determinants of vascular reactivity. Fed. Proc. 35 (1976) : 2382-2387.

McNeill, J.R. Role of vasopressin in the control of arterial pressure. Can. J. Physiol. 61 (1983) : 1226-1235.

Mene, P., and Dunn, M.J. Vascular, glomerular, and tubular effect of angiotensin II, kinins, and prostaglandin. In D.W. Seldin, and G. Giebisch (eds.), The Kidney: Physiology and Pathophysiology. 1 st vol. 2 nd ed chap 34. New York : Raven Press, 1992.

Melis, M.S., and Sainati, A.R. Participation of prostaglandins in the effect of stevioside on renal function and arterial pressure. Brazilian.J.Med.Biol.Res. 24 (1991a) :1269-1276.

Melis, M.S., and Sainati, A.R. Effect of calcium and verapamil on renal function of rats during treatment with stevioside. J.Ethnopharmacol. 33 (1991b) : 257-262.

Melis, M.S. Renal excretion of stevioside in rats. J.Natl.Prod. 55 (1992a) : 688-690.

Melis, M.S. Stevioside : Effect stevioside on renal function of normal and hypertensive rats. J. Ethnopharmacol. 36 (1992b) : 213-217.

Melis, M.S. Influence of calcium on the blood pressure and renal effects of stevioside. Brazilian. J.Med.Biol.Res. 25 (1992c) : 943-949.

Melis, M.S. Chronic administration of aqueous extract of Stevia rebaudiana in rats : renal effect. J. Ethnopharmacol 47 (1995) : 129-134.

Metz, S.A., and Robertson, R.P. Prostaglandin synthesis inhibitors reverse α-adernergic inhibition of acute insulin response to glucose. Am.J.Physiol. 239 (1980) : E490-E500.

Metz, S., Robertson, R.P., and Fujimoto, W.Y. Inhibition of prostaglandin E synthesis augments glucose-induced insulin secretion in cultured pancreases. Diabetes. 30 (1981) : 551-557.

Miller, G.L. Protein determination for large numbers of samples. Analy.Chem. 31 (1959) : 964.

Milnor, W.R. Blood volume. In V.B. Mountcastle (ed.) Medical Physiology. 2 nd vol.14 th ed. p111-1125. St.Louis : C.V.mosby, 1980.

Mitsuashi, H. Acute toxicity test, Safety of Stevia by Tama Biochemical. Dept. of Pharmacy, Hokkaido (1976) : 9-10.

Montani, J.P., Liard, J.F., Schoun, J., and Mohring, J. Hemodynamics effects of exogenous and endogenous vasopressin at low plasma concentrations in concious dogs. Cir.Res. 47(1980) : 346-355.

Moncada, S., Palmer, R.M.J., and Higgs, E.A. Nitric oxide : Physiology, Pathophysiology, and pharmacology. Pharmacol. Rev. 43 (1991) : 109-142.

Mori, N.,Sakanove, M., Takeuchi, M., Shimpo, K., and tanabet, S. Effect of stevioside on fertility in rats. Shokuhin Eiseigaku.Zasshi 22 (1981) : 409-414.

Murakami, M.,Suzuki, H., Ichihara, A., Naitoh, M., Nakamoto, H., and Saruta, T. Effect of L-arginine on systemic and renal hemodynamics in concious dogs. Clin. Sci. 81 (1991) : 727-732

Nakayama, K., Kasahara, D., and Yamamoto, F. Absorption, distribution metabolism and excretion of stevioside in rats. J.Food Hyg.Soc. Japan. 27 (1986) : 1-8.

Nakamura, T., Alberola, A.M., and Granger, J.P. Role of renal interstial pressure as a mediator of sodium retention during systemic blockade of nitric oxide. Hypertension 21 (1993) : 956-960.

Nasjletti, A., and Malik, K.U. Interelations between prostaglandins and vasoconstrictor hormones : contribution to blood pressure regulation. Fed.Proc. 41 (1982) : 2394-2399.

Navarro, J.,Sanchez, A., Sáiz, J., Ruilope, L.M., García-Estan, J., Romero, J.C., Moncada, S and Lahera, V . Hormonal, renal, and metabolic alterations during hypertension induced by chronic inhibition of NO in rats. Am.J.Physiol. 267 (1994) : R1516-1521.

Nielsen, S.,Digiovanni, S.R., Christensen, E.I., Knepper, M.A., and Harris, H.W. Cellular and subcellular immunolocalization of vasopressin regulated water channel in rat kidney. Proc.Natl.Acad.Sci.USA 90 (1993) : 11663-11667.

Olsen, M.E.,Hall, J.E., Montani, J.P., Guyton, A.C., Langford, H.G., and Cornell, J.E. Mechanisms of angiotensin II natriuresis and antinatriuresis. Am.J.Physiol. 249 (1985) : F299-F307.

Olson, M.S. Bioenergetics and oxidative metabolism with clinical correlations. In T.M. Devlin. Textbook of Biochemistry 3 rd ed., chap. 6. Weley & Sons, 1993.

Oviédo, C.A., Fronciani, G., Moreno, R., and Maas, L.C. Acción hipoglicemia de la Stevia rebaudiana Bertoni (Kaa-He-e). Exp.Med. 208 (1970) : 92.

Pang, C.C.Y. Vasopressin and angiotensin in the control of arterial pressure and regional blood flow in anesthetized, surgically stressed rats. Can.J.Physiol. Pharmacol. 61 (1983) : 1494-1500.

Panichkul, T.,Glinsukon, T., Buddhasukh, D., Cheuychit, P., and Pimolsri, U. The

plasma levels of urea nitrogen, creatinine, and urine acid and urine volume in rats and hamsters treated with stevioside. Thai J.Toxicol. 4 (1988) : 47-52.

Pappano, A.J., and Watanabe, A.M. Cholinoceptor-activating and cholinesterase-inhibiting drugs. In B.G. Katzung. Basic and Clinical Pharmacology. 6th ed. chap 7. Paramount publishing, 1995

Pezzuto, J.M.,Compadre, C.M., Swansan, S.M., Nanayakkara, N.P.D., and Kinghorn, A.D. Metabolically activated steviol, the aglycone of stevioside, is mutagenic. Proc.Natl.Acad.Sci. USA. 82 (1985) : 2478-2482.

Pimbua, J.,Glinsukon, T., Rojanapo, W., Buddhasukh, D., and Cheuychit, P. Mutagenic test of stevioside and steviol in Salmonella typhimurium (TA98, TA100 and TM 677) with S-9 fractions of livers from several animal species. Annual Meeting of the Toxicological Society of Thailand (Abstract) Chulalongkorn University, July 19-20, 1988 : 11.

Planas, G.M. and Kuç, J.Contraceptive properties of Stevia rebaudiana. Science 1962 (1968) : 1007.

Preiser, J.C. Is endotoxin-induced hypotension related to nitric oxide formation? Eur. Surg.Res. 26 (1994) : 10-18.

Pucci, M.L., Lin, L., and Nasjletti, A. Pressor and renal vasoconstrictor effects of N^G -nitro-L-arginine as affected by blockade of pressor mechanisms mediated by the sympathetic nervous system, angiotensin, prostanoids and vasopressin. J. Pharmacol. Exp. Thera. 261 (1992) : 240-245.

Püschel, G.P., Kirchner, C., Schroder, A., and Jungermann, K. Glycogenolytic and

antiglycogenolytic prostaglandin E_2 actions in rat hepatocytes are mediated via different signalling pathways. Eur.J.Biochem. 218 (1993) : 1083-1089.

Quintanilla, A.P.,levin, M.L., Lastre, C.C., Yokoo, H., and Levin, N.W. Effect of diuretics on ADP incorperation in kidney mitochondria. J.Pharmacol. Exp. Thera. 211(1979) :456-459.

Radermacher, J.,Klanke, B., Schurek, H-J., Stolte, H.F., and Frölich, J.C. Importance of NO/EDRF for glomerular and tubular function: Studies in the isolated perfused rat kidney. Kidney. Int. 41 (1992) : 1549-1559.

Randel, P.J., and Smith, G.H. Regulation of glucose uptake by muscle. 2. The effect of insulin, anaerobiosis and cell poisons on the penetration of isolated rat diaphragm by sugars. Biochem. J. 70 (1958) : 501-508.

Rattigan, S.,Dora, K.A., Colquhoun, E.Q., and Clark, M.G. Inhibition of insulin-mediated glucose uptake in rat hindlimb by an α-adrenergic vascular effect. Am.J.Physiol. 268 (1995) : E305-E311.

Raymond, K.H., and Lifschitz, M.D. Effect of prostaglandins on renal salt and water excretion. Am.J.Med. 80 (1986) : 22-33.

Rees, D.D.,Palmer, R.M.J., Schulz, R., Hodson, H.F., and Moncada, S. Characterization of three inhibitors of endothelial nitric oxide synthase *in vitro* and *in vivo*. Br.J.Pharmacol. 10 (1996) : 746-752.

Reid, I.A. Vasoactive peptides. In B.G., Katzung. Basic and Clinical Pharmacology. 6 th ed. chap 7. Paramount publishing, 1995.

Reif, M.C., Troutman, S.L., and Schafer, J.A. Sodium transport by rat cortical collecting tubule. Effect of vasopressin and deoxycorticosterone.

J.Clin.Invest. 77 (1986) : 1291-1298.

Reeves, W.B., and Andreoli, T.E. Sodium chloride transport in the loop of Henle. In D.W. Seldin, and G. Giebisch (eds.), The kidney : Physiology and Pathophysiology. 2 nd.vol. 2 nd ed.chap 54. New York : Raven Press, 1992.

Robertson, R.P. Prostaglandins, glucose homeostasis and diabetes mellitus. Med. Clin. North Am. 65 (1981) : 759-771.

Robertson, R.P. Prostaglandins, pancretic hormone and diabetes mellitus. In P.B Curtis-Prior (ed.) Prostaglandins : Biology and Chemistry of Prostaglandins and Related Ecosanoids chap 43. Edinburg London Melbourne and New York : Churchill Livingstone, 1988

Robertson, R.P.,Gavareski, D.J., Porte, Jr, D., and Bierman, E.L. Inhibition of *vivo* insulin secretion by prostaglandin E_1. J.Clin.Invest. 54 (1974) : 310-315.

Robson, A.M., Srivastava, P.L., and Bricker, N.S. The influence of saline loading on renal glucose reabsorption in the rat. J.Clin.Invest. 47 (1968) : 329-335.

Roman, R.J., and Kauker, M.L. Renal effect of prostaglandin synthetase inhbition in rats : micropuncture studies. Am.J.Physiol. 235 (1978) : F111-F118.

Rose J.R., C.E., Rose, K.Y. and Kinter, L.B.. Effect of V1/V2-recepter antagonism on renal function and response to vasopressin in concious dogs. Am.J.Physiol. 260 (1991) : F273-F282.

Rouffignac, C., Corman, B., and Roinel, N. Stimulation by antidiuretic hormone of electrolyte tubular reabsorption in rat kidney. Am.J.Physiol. 244 (1983) : F156-F164.

Roy, D.R., Layton, H.E., and Jamison, R.L. Countercurrent mechanism and its regulation. In D.W. Seldin, and G. Giebisch (eds.) The Kidney : Physiology and Pathophysiology. 2 nd.vol. chap 45. New York : Raven Press, 1992.

Ruilope, L.M., Lahera, Radicio, J.L., and Romero, J.C. Participation of nitric oxide in the regulation of renal function : possible role in the genesis of arterial hypertension. J.Hypertens. 12 (1994) : 625-631.

Salazar, F.J., Llinas, M.T., Gonzalez, J.D., Quesad, T., and Pinilla, J.M. Role of prostaglandins and nitric oxide in mediating renal response to volume expansion. Am.J.Physiol. 268 (1995) : R1442-R1448.

Satoh, T., Cohen, H.T., and Katz, A.I. Intracellular signaling in the regulation of the renal Na^+-K^+-ATPase. J.Clin.Invest. 89 (1992) : 1496-1500.

Schaller, M.P., Waeber, B., Nussberger, J., and Brunner, H.R. Angiotensin II vasopressin, and sympathetic activity in concious rats with endotoxemia Am.J.Physiol. 249 (1985) : H1086-H1092.

Schramek, H., Coroneos, E., and Dunn, M.J. Interactions of the vasoconstrictors peptides, A_{II} and ET_1, with vasodilatory prostaglandins. Semin.Nephrol. 15 (1995) : 195-204.

Schelling, J.R., Singh,H., Morzec, R., and Linas., S.L. Angiotensin II-dependent proximal tubular sodium transport is mediated by cAMP modulation of phospholipase C. Am.J.Physiol. 267 (1994) : C1239-C1245.

Schuster, V.L., Kokko, J.P., and Jacobson, H.R. Angiotensin II directly stimulates sodium transport in rabbit proximal convoluted tubules. J.Clin.Invest 73

(1984) : 507-515.

Sharif, M.N.,Kaushal, R.D., Iyer, P., and Wilson, T.W. Diltiazem potentiates angiotensin II-mediated renal prostacyclin synthesis. J.Cardiovas. Pharmacol. 20 (1992) : 638-642.

Shultz, P.J., Schorer, A.E., and Raij, L. Effects of endothelium-derived relaxing factor and nitric oxide on rat mesengial cells. Am.J.Physiol. 258 (1990) : F162-F167.

Shirleg, D.D., Walter, S.J., and Thomsen, K. A comparison of micropuncture and lithium clearance methods in the assessment of renal tubular function in rats with diabetes insipidus. Pflü. Arch. 399 (1983) : 266-270.

Sigmon, D.H., Carretero, O.A., and Beierwaltes, W.H. Endothelium-derived relaxing factor regulates renin release in vivo. Am.J.Physiol. 263 (1992) : F256-F261.

Simmons, J.C., and Freeman, R.H. L-arginine analogues inhibit aldosterone secretion in rats. Am.J.Physiol. 268 (1995) : R1137-R1142.

Singer, I., Rotenberg,D., and Puschett, J.B. Lithium-induced nephrogrnic diabetes insipidus : In vivo and in vitro studies. J.Clin.Invest. 51 (1972) : 1081-1091.

Siragy, H.M., Johns, R.A., Peach, M.J., and Carey, R.M. Nitric oxide alters renal function and guanosine 3'-5'-cyclic monophosphate. Hypertension. 19 (1992) : 775-779.

Smith, W.L. Prostanoid biosynthesis and mechanisms of action. Am. J.Physiol. 263 (1992) : F181-F191.

Soltoff, S.P., and Mandel, L.J. Active ion transport in the renal proximal tubule. J. Gen.Physiol. 84 (1984) : 643-662.

Söndeen, J.L., and Claybaugh, J.R. Clearance and urinary excretion of vasopressin in concious dogs. Am.J.Physiol. 256 (1989) : R291-R298.

Steele, R. Influence of glucose loading and of injected insulin on hepatic glucose output. Ann. New York Acad.Sci. 82 (1959) : 420-430.

Stonard, M.D. Assessment of renal function and damage in animal species. A review of the current approach of the academic, governmental and industrial institutions represented by the animal clinical chemistry association. J. Appl.Toxicol. 10 (1990) : 267-274.

Stoos, B.A.,Carretero, O.A., Farhy, R.D., Scicli, G., and Garvin, J.L. Endothelium-derived relaxing factor inhibits transport and increases cGMP content in cultured mouse cortical collecting duct cells. J.Clin.Invest. 89 (1992) : 761-765.

Suzuki, H., Kasai, T., Sumihara, M., and Sugisawa, H. Inhibition of monosaccharide transport in the intact rat liver by stevioside. Nippon.Nogei.Kagaku.Kaishi 51 (1977) : 171.

Thomas, C.E., Ott, C.E., Bell, P.D., Knox, F.G., and Navar, L.G. Glomerular filtration dynamics during renal vasodilation with acethylcholine in the dog. Am.J.Physiol. 244 (1983) : F606-F611.

Thomsen, K. Lithium clearance as a measure of sodium and water delivery from the proximal tubules. Kidney. Int. 37, Suppl. 28 (1990) : S10-S16.

Thomsen, K., and Leyssac, P.P. Acute effect of various diuretics on lithium

clearance. Studies in rats on medium and low sodium diet. Renal Physiol. 9 (1986a) : 1-8.

Thomsen, K., and Leyssac, P.P. Effect of dietary sodium content on renal handling of lithium. Experiments in concious diabetes insipidus rats. Pflü. Arch. 407 (1986b): 55-58.

Thomsen, K., and Schou, M. Renal lithium excretion in man. Am.J.Physiol. 215 (1968) : 823-827.

Thomsen, K.,Holstein-Rathlou, N.H., and Leyssac, P.P. Comparison of three measures of proximal tubular reabsorption : lithium clearance, occlusion time and micropuncture. Am.J.Physiol. 241 (1981) : F348-F355.

Thomsen, K. Lithium clearance : A new method for determining proximal and distal tubular reabsorbtion of Na^+ and H_2O. Nephron 37 (1984) : 217-223.

Toskulkao, C., Deechawan, W., Leardkamolkarn, V., and Glinsukon, T. The low calorie natural sweetener stevioside : Nephrotoxicity and its relationship to urinary enzyme excretion in the rat. Phytothera. Res. 8 (1994).

Toskulkao, C., Sutheerawattananon, M.,and Piyachaturawat, P. Inhibitory effect of steviol , a metabolite of stevioside, on glucose absorption in everted hamster intestine in vitro. Toxicol. Lett. 80 (1995a): 153-159.

Toskulkao, C., Sutheerawattananon, M., Wanichanon, C., Saitongdee, P., and Suttajit, M. Effects of stevioside and steviol on intestinal glucose absorption in hamsters. J.Nutr.Sci.Vitaminol. 41 (1995b) : 105-113.

Toskulkao, C., and Sutheerawattananon, M. Effects of stevioside, a natural sweetener, on intestinal glucose absorption in hamsters. Nutr.Res. 14 (1994) : 1711-

1720.

Tsuura, Y., Ishida, H., Hayashi, S., Sakamoto, K., Horie, M., and Seino, Y. Nitric oxide opens ATP-sensitive K^+ channels through suppression of phosphofructokinase activity and inhibits glucose-induce insulin release in pancretic β cells. J. Gen. Physiol. 104 (1994) : 1079-1099.

Umpleby, A.M., and Sönksen, P.H. Measurement of the turnover of substrates of carbohydrate and protein metabolism using radioactive isotopes. Bailliere's Clin.Endo.Metab. 1 (1987) : 773-796.

Usami, M,. Seino, Y., Takai, J., Nakahara, H., Seino, S., Tkeda, M., and Imura, H. Effect of cyclamate sodium, saccharin sodium and stevioside on arginine induced insulin and glucagon secretion in the isolated perfused rat pancreases. Horm. Metab. Res. 12 (1980) : 705-706.

Vallecorsi, G.F., Zucchini, Cinelli, P. and Rocca, M. Effetti dell'acido acetilsalicilico s sulla utilizzuzione periferica del glucosi. Arch.Ricambio. 28 (1964) : 3-7.

Vander, A.J. Renal Physiol. 5 th.ed. McGraw-Hill, 1995.

Vigais, P.V., Duee, E.D., Vignais, P.M., and Huet, J. Effect of atractyligenin and its structural analogues on oxidative phosphorylation and on the translocation of adenine nucleotides in mitochondria. Biochim.Biophys. Acta. 118 (1966) : 465-483.

Wald, H., Scherzer, P., Rubinger, D., and Popovtzer, M.M. Effect of indomethacin in vivo and PGE_2 in vitro on MTAL Na-K-ATPase of the rat kidney. Pflü. Arch. 415 (1990) : 648-650.

Walker, R.J., and Duggin, G.G. Cellular mechanism of drugs nephrotoxicity. In D.W. Seldin, and G. Giebisch (eds.), The Kidney : Physiology and Pathophysiology. 3 rd.vol. 2 nd ed. chap 106. New York : Raven Press, 1992.

Walker, L.A.Whorton, A.R., Smigel, M., France, R., and Frolich, J.C. Antidiuretic hormone increases renal prostaglandin synthesis *in vivo*. Am.J.Physiol. 235 (1978) : F180-F185.

Wang, N., and Chan, Y.L. Mechanism of angiotensin II action on proximal tubular transport. J. Pharmacol. Exp. Thera. 252 (1989) : 689-695.

Wang, Y.,Gavras, I., Lammek, B., Bresnahan, M., and Gavras, H. Effect of bradykinin and prostaglandin inhibition on systemic and regional hemodynamics in concious normotensive rats. J.Hypertens. 9 (1991) : 805-812.

Wang, Y., Edwards, R.M., Nambi, P., Stack, E.J., Pullen, M., Share, L., Crofton, J.T., and Brooks, D.P. Sex difference in the antidiuretic activity of vasopressin in the rat. Am.J.Physiol. 265 (1993) : R1284 - R1290.

Weinstein, A.M. Sodium and chloride transport : Proximal nephron. In D.W. Seldin, and G. Giebisch (eds.), The Kidney : Physiology and Pathophysiology. 2 nd.vol. 2 nd ed. chap 53. New York : Raven Press, 1992.

Wingard, R.E.,Brown, J.P., Enderlin, F.E., Dale, J.A., Hale, R.E., and Seitz, C.T. Intestinal degradation and absorption of the glycosidic sweeteners stevioside and rebaudioside A. Experientia 36 (1980) : 519-520.

Weksler, B.B. Prostaglandins and vascular function. Circulation. 70 (1984) : III 63-III 71.

Wilcox, C.S., Baylis, C., and Wingo, C.S. Glomerular-tubular balance and proximal regulation. In D.W.Seldin, and G. Giebisch (eds.), The Kidney : Physiology and Pathophysiology. 2 nd.vol.2 nd ed. chap 54. New York : Raven Press, 1992.

Widdop, A.E., Gardiner, S.M., Kemp, P.A., and Bennett, T. The influence of atropine and atenolol on the cardiac hemodynamic effect of N^G-nitro-L-arginine methyl ester in concious, Long Evans rats. Br.J.Pharmacol. 105 (1992) : 653-656.

Wilson, D.R.,Arnold, P.E., Burke, T.J., and Schrier, R.W. Mitochondrial calcium accumulation and respiration in ischemic acute renal failure in the rat. Kidney. Int. 25 (1984) : 519-526.

Wybenga, D.R., Giorgio, J.D., and Pileggi, V.J. Manual and automated methods for urea nitrogen measurement in whole serum. Clin. Chem. 17 (1971) : 891-895.

Xili, L., Chengjiany, Eryi, X., Reiming, S., Yuengming, W., Haodong, S., and Zhiyian, H. Chronic oral toxicity and carcinogenicity study of stevioside in rats. Br.Chem.Toxic 30 (1992) : 957-965.

Xu, W.X., and Yu, J.R. Protective effect of indomethacin on alloxan-induced diabetes in rat. Sheng.Li.Hsueh.Pao-Acta.Physiol. Sinica. 44 (1992) : 202-208.

Yamamoto, N.S., Kelmer, Bracht, A.M., Ishü, E.L., Kemmelmeier, F.S., Alvarez, M., and Bracht,A. Effect of steviol and its structural analogues on glucose production and oxygen uptake in rat renal tubules. Experientia 41 (1985) : 55-57.

Yodyingyuard, W. and Bunjawong, S. Effect of stevioside on growth and reproduction. Reproduction. 6 (1991) : 158-165.

Yong,M.K. and Raisz, L.G. An anthrone procedure for determination of inulin in biological fluid. Proc.Soc.Exp.Biol.Med. 80 (1952) : 771-774.

Zambraski, E.J. The effects of nonsteriodal anti-inflamatory drugs on renal function : Experimental studies in animals. Semin.Nephrol. 15 (1995) :205-213.

Zhuo, J.,Thomas, D., Harris, P.J., and Skinner, S.L. The role of endogenous angiotensin II in the regulation of renal hemodynamics and proximal fluid reabsorption in the rat. J.Physiol. 453 (1992) : 1-13.

Zusman, R.M. Prostaglandins, vasopressin, and renal water reabsorption Med.Clin.North Am. 65 (1981) : 915-925.

Zusuki, H.,kasai, T., Sumihara, M., and Sugisawa, H. Influence of oral administration of stevioside on levels of blood glucose and liver glycogen of intact rats. Nippon Nagyo .Kagaku Zasshi. 51 (1977) : 171-173.

APPENDIX

Publication by the author

1. "The effect of intravenous infusion of stevioside on the urinary sodium excretion". Journal of Animal Physiology and Animal Nutrition (In press)
2. "The effect of stevioside on glucose metabolism in rats". Canadian Journal of Physiology and Pharmacology (In press)
3. "Renal function following stevioside infusion in rats treated with α-adrenergic blocker, nitric oxide synthesis inhibitor, prostaglandin synthesis inhibitor and cholinergic blocker". International Journal of Animal Science (In press)

BIOGRAPHY

Miss Thamolwan Suanarunsawat was born on March 17, 1959 in Bankok, Thailand. She graduated with B.Sc. (Nursing) from the Faculty of Nursing, Mahidol University in 1981, and M.Sc. (Physiology) from the Faculty of Science, Mahidol University in 1984. She is the lecturer of the Department of Physiology, Faculty of Science, Rangsit University. She admissed with the Degree of Doctor of Philosophy in Physiology, Inter-Department of Physiology, Chulalongkorn University in 1996.