

เอกสารอ้างอิง



1. Lewis, G.P. , Jusko, W.J. , Coughlin, L.L. Cadmium Accumulation in Man. J Chronic Dis. 25(1972) : 717-26.
2. Kowal, N.E. , et al. Normal Levels of Cadmium in Diet, Urine, Blood and Tissues of Inhabitants of The United States. J. Toxicol. Environ. Health. 5(1979) : 995-1014.
3. Pleban, P.A. , Pearson , K.H. Determination of Cadmium in Whole Blood and Urine by Zeeman Atomic Absorption Spectroscopy. Clin. Chim. Acta. 99(1979) : 267-77.
4. Ulander, A. , Axelson , o. Measurement of Blood-Cadmium Levels. Lancet. 13(April 1974) : 682-83.
5. Zielhuis , R.L. , et al. Smoking Habits and Levels of Lead and Cadmium in Blood in Urban Woman. Int. Arch. Occup. Environ. Health. 39(1977) : 53-58.
6. Yoshiki , S. , et al . Bone and Kidney Lesions in Experimental Cadmium Intoxication. Arch Environ Health. 30(1975) : 559-562.
7. Byczkowski, Janusz Z. , Sorenson, John R.J. Effect of Metal Compounds on Mitochondrial Function. The Science of the Total Environment. 37(1984) : 133-162.
8. Lucis, O.J. , et al. Cadmium and Zinc in Pregnancy and Lactation. Arch. Environ. Health. 25(July 1972) : 14-22.
9. Itokawa, Y. , Abe, T. , Tabei, R. , Tanaka, S. Renal and Skeletal Lesions in Experimental Cadmium Poisoning. Arch. Environ. Health. 28(1974) : 149-154.

10. Kido, T. , et al. α_1 -Microglobulin Determination in Urine for The Early Detection of Renal Tubular Dysfunction Caused by Exposure to Cadmium. Tox. Lett. 24(1985) : 195-201.
11. Kido, T. , et al. An Epidemiological Study on Renal Dysfunction of Inhabitants in Cd-Exposed Area in The Kakehashi River Basin in Ishikawa Prefecture. Japan J. Hyg. (in Japanese). 42(1987) : 964-71.
12. Kido, T., et al. Long-Term Observation of Serum Creatinine and Arterial Blood pH in Persons with Cadmium-Induced Renal Dysfunction. Arch. Environ. Health. 45(1)(1990):35-41.
13. Nogawa, K. , et al. The Relationship between The Renal Effects of Cadmium and Cadmium Concentration in Urine among The Inhabitants of Cadmium-polluted Areas. Environ. Res. 14(1977) : 391-400.
14. Nogawa, K., et al. A Study of The Relationship between Cadmium Concentration in Urine and Renal Effects of Cadmium. Environ. Health Perspect. 28(1978) : 161-68.
15. Adams, R.G. , et al. The Development of Cadmium Induced Proteinuria , Impaired Renal Function and Osteomalacia in Alkaline Battery Worker. Quart. J. Med. 28(1969):425-42.
16. Kazantis, G. , et al. Renal Tubular Malfunctions and Pulmonary Emphysema in Cadmium Pigment Workers. Quart. J. Med. 32(1963) : 165-92.
17. Roel, H.A. , et al. Urinary Kallikrein Activity in Workers Exposed to Cadmium , Lead , Mercury Vapour. British Journal of Industrial Medicine. 47(1990) : 331-337.

18. Hoffmann, E.O. , et al. The Effects of Acute Cadmium Administration in The Liver and Kidney of The Rat : Light and Electron Microscopic Studies. Lab. Invest. 32(1975)
19. Teare , F.W., Read , P.R., Pyttel , R.B. , Jasansky , P.A. Short-and Long-Term Cadmium Distribution in Rat Livers after Different Routes of Administration. Arch of Environ. Health. (March/april 1987) : 53-58.
20. Muller, L. , et al. Mitochondrial Effects of Low-Level Cadmium in rats : Interaction with Zinc. Archives of Environmental Contamination and Toxicology. 17(1988) :245-250.
21. Sporn , A. , Dinu , I., Stoenseu , L. Influence of Cadmium Administration on Carbohydrate and Cellular Energetic Metabolism in The Rat Liver. Rev. Roum. Biochim. 7(1970) : 299-305.
22. Tsuchiya ,H., et al. Placental Transfer of Heavy Metals in Normal Pregnant Japanese Woman. Arch of Environ. Health. 39(1)(1984) : 11-17.
23. Webster, W.S. Cadmium-Induced Fetal Growth Retardation in the Mouse. Arch of Environ. Health. (Jan/Feb 1978) : 36-42.23.
24. Parizek, J. , et al. Pregnancy and Trace Elements : The Protective Effects of Compounds of An Essential Trace Element-Selenium-Against The Peculiar Toxic Effects of Cadmium During Pregnancy. J. Reprod. Fertil. 16(1968) : 507-509.24.

25. Fox , M.R.S. , Fry , B.E. Cadmium Toxicity Decreased by Dietary Ascorbic Acid Supplements. Science. 69(1970) : 989-991.
26. ศรีโคก กังวาลไกล. อิทธิพลของโลหะหนักบางชนิด ที่มีต่อการทำงานของไมโทคอนเดรีย ที่แยกจากตับของหนูขาว. วิทยานิพนธ์ปริญญาโท สาขาวิชาเภสัชวิทยา ภาควิชาเภสัชวิทยา วิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย , 2533.
27. ไมตรี สทิจิตติ. สารพิษรอบตัวเรา ภาควิชาเคมี คณะแพทยศาสตร์ มหาวิทยาลัยเชียงใหม่ , 2531.
28. Casarett and Doull's. Toxicology : The Basic Science of Poisons. 2nd ed. New York : Macmillan Publishing Co, Inc.
29. Ogata, K. , et al. Mercury Uptake in Vivo by Normal and Acatalasemic Mice Exposed to Metallic Mercury Vapor ($^{203}\text{HgCl}_2$). Arch of Environ Health. 40(1985) : 151-154.
30. Childs, E.A. Kinetics of Transplacental Movement of Mercury Fed in a Tuna Matrix to Mice. Arch of Environ Health. 27(1973) : 50-52.30.
31. พิมพ์ เรียงวัฒนา และ ชัยวัฒน์ เจนวาณิชย์. เคมีสภาพแวดล้อม.
32. สุทธิ โรจน์อารยานนท์. สภาวะแวดล้อมของเรา ตอนมลพิษสภาวะแวดล้อม. 2526.
33. Maths , B., Carlson, J., Norseth, T. Dose Dependence of Methylmercury Metabolism. Arch Environ Health. 30(1975) : 307-313.
34. Rowland , I.R. , Davies , M.J. , Evans , J.G. Tissue - Content of Mercury in Rat Given Methylmercuric Chloride Orally : Influence of Intestinal Flora. Archives of Enviromental Health. 35(1980) : 155-160.

35. Rowland, I.R., Robinson, R.D. , Doherty ,R.A. Effects of Diet on Mercury Metabolism and Excretion in Mice given Methylmercury : Role of Gut Flora. Arch. of Environ. Health. 39(1984) : 401-408.
36. Maths , B., et al. Neurotoxicity of Methylmercury in Squirrel Monkeys. Arch Environ Health. 30(1975) : 340-348.
37. Bogucka, K. , Wojtezak, L. On The Mechanism of Mercurvial Induced Permeability of The Mitochondria Membrane to K^+ . Febs Letters. 100(April 1979) : 301-304.
38. Hussain Rustam , Rudolph Van Burg , La Man Amin-Zaki , Sami El Hassani. Evidence for a Neuromuscular Disorder in Methylmercury Poisoning. Arch Environ Health. 30(1975) : 190-195.
39. Soleo, L., Urbano, M.L., Petrera , V., Ambrosi, L. Effects of Low Exposure to Inorganic Mercury on Psychological Performance. Britih Journal of Industrial Medicine. 47(1990) : 105-109
40. Zedda, S., et al. Rischio Da Mercurio Nella Fabbricazione Di Lampade Fluorescenti Studio Clinico e Ambientale. G. Ital. Med. Lav. 2(1980) : 187-192.
41. Rosenman , K.D., Valciukas, J.A. , Meyer , B.R., Cinotti, A. Sensitive Indicators of Inorganic Mercury Toxicity. Arch of Environ Health. 41(1986) : 208-215.
42. Graves , Freeland . Manganese Deficiency in Humans : Fact of Fiction. Nutrition Reviews. 46(1988) : 348-352.

43. Murray , T., et al . C admium Nephropathy : Monitoring for Early Evidence of Renal Dysfunction. Arch Environ Health. 36(1981):165-171.
44. Nachtman, J.P., Delor, S. , Brenman, C.E. Manganese Neurotoxicity : Effects of Varying Oxygen Tension and EDTA on Dopamine Auto-Oxidation. Neuro Toxicology. 8(1987): 249-254.
45. เบนจลักษ์ ภาณุจนเศรษฐ์. ผลการบริหารสภาวะแวดล้อมของโรงงานถ่านไฟฉาย ที่มีต่อสุขภาพอนามัยของแรงงาน. สถาบันวิจัยสภาวะแวดล้อม จุฬาลงกรณ์มหาวิทยาลัย, 2532.
46. Liccione, John J. , Maines , Mahin D. Manganese - Mediated Increase in The Rat Brain Mitochondrial Cytochrome P-450 and Drug Metabolism Activity : Susceptibility of The Striatum. J. of Pharmacology and Experimental Therapeutics. 248(1989) : 222-228 .
47. Autissier , A., et al. Action Du Manganese Methylcyclopentadienyl Tricarbonyl (MMT) Sur Les Mitochondrias. I. Effect Du MMT , In Vitro , Sur La Phosphorylation oxydative Des Mitochondries Hepatiques De Rat. Toxicology. 7(1977) : 115-122.
48. Myer, D.K. and Slater , E.C. The Enzyme Hydrolysis of Adenine Triphosphate by Liver Mitochondria. I. Activities at Different pH Value. Biochem. J. 67(1957) : 558-572.
49. Chance, B. , Williams , G.R. The respiratory Chain and oxidative Phosphorylation. Advances Enzym. 17(1956) : 65-134

50. Lowry, O.H. , Rosebrough, N.J., Farr , A.L. and Randall, R.J.
Protein Measurement with Folin Phenol Reagent. J Biol.Chem.
193(1951) : 265-275.
51. Miller, G.L. Protein Determination for Large Numbers of
Samples. Anal. Chem. 31(1959) : 964.
52. Jacobs, E.E. , Jacob , M. , Sanadi , D.R. , Bradley , L.B.
Uncoupling of oxidative Phosphorylation by Cadmium Ion.
J. Biol. Chem. 223(1956) : 147-156.
53. Sato, N., et al. Cadmium Toxicity and Liver Mitochondria.
J. Biochem. 84(1978) : 127-133.
54. Wehrhah, H. , Kleiner, D. Common Meet. Fed. Eur. Biochem.
Soc. 8(1972) : 603.
55. Hemmerich ,P. , Lauterwein, J. In Inorganic Biochemistry
(Eichhoru , G.L. , ed). 2(1973) : 1168
56. Sone, N. , Larsstuvold, M.K. and Kagawa, Y. Effect of
Methyl Mercury on Phosphorylation , Transport , and
Oxidation in Mammalian Mitochondria. J. Biochem.
82(1977) : 859-868.
57. Seth , P.K. , Husain , R. In Vitro Inhibition of Succinic
Dehydrogenase by Manganese and Its Reversal by Chelating
Agents. Environ. physiol. Biochem. 4(1974) : 176-180.
58. Thatcher , R.W., et al. Effect of Low Level of Cadmium
and Lead on Cognitive Functioning in Children. Arch.
Environ. Health. 37(3)(1982) : 159-166.

59. Fowler, B.A. , Woods, T.S. The Transplacental Toxicity of Methyl Mercury to Fetal Rat Liver Mitochondria : Morphometric and Biochemical Studies. Lab. Invest. 36(1977) : 122-130
60. วิบูลย์ วัฒนาธร. ฤทธิ์อันค้ำปplingของแอนติไลโทเทคโตรินต่อกระบวนการหายใจและออกซิเดทีฟ ฟอสฟอริเลชันของไมโทคอนเดรีย. วิทยานิพนธ์ปริญญามหาบัณฑิต ภาควิชาเภสัชวิทยา บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย , 2531.
61. Amacher , D. E., Ewing , Keith L. A Soluble Cadmium Binding Component in Rat and Dog Spleen. Arch. Environ. Health. 30 (1975) : 510-513
62. Colucci, Antony V., et al . Cadmium Accumulation in Rat Liver. Arch. Environ. Health. 30(1975):153-157.
63. Hogeboom, E.H. Methods in Enzymology. Vol.1, PP.16-19. New York : Academic Press , 1955.
64. Itokawa, Y., Abe , T. , Tanaka, S. Bone Changes in Experimental Chronic Cadmium Poisoning. Arch. Environ. Health. Chem. 223(1956) : 147-156.
65. Knuuttila, M. ,et al. Cadmium Content of Human Cancellous Bone. Arch. Environ. Health. 37(5)(1982) : 290-294.
66. Kondakis , et al. Possible Health Effects of High Manganese Concentration in Drinking Water. Archives of Environmental Health. 44(1989):175-178.
67. Lehninger, A.L. Mitochondria and Calcium Ion Transport. Biochem. J. 119(1970) : 129-38.

68. Murray ,T. , et al. Cadmium Nephropathy : Monitoriry for Early Evidence of Renal Dysfunction. Arch Environ Health. 36(1981) : 165-171.
69. Muller, L., et al. Dose Responce of Rat Liver to Low Level Cadmium. Bull. Environ. Contam. Toxicol. 40(1988) :301-308.
70. Nishiyama, K. and Nordberg, G.F. Adsorption and Elution of Cadmium on Hair. Arch. environ. Health. 25(Aug 1972) :92-96.
71. Perry , H.M. , et al. Effect of Second Metal on Cadmium-Induced Hypertension. Arch. Environ. Health. 38(2)(1983) : 80-81.
72. Robert R. L., Jean, P.B. Occupational Exposure to Mercury Vapors and Biological Action. Arch of Environ Health. 27(1973) : 65-68.
73. Sheelrr, P., Bianchi , D. E. Cell And Molecular Biology. 3rd ed. 1985.
74. Southard , J.H. and Nitisewojo , P. Loss Oxidative Phosphorylation in Mitochondria Isolated from Kidneys of Mercury Poisoned Rats. Biochemical and Biophysical Research Communications. 52(1973) : 921-927.
75. Suda , T., et al. Prevention by Metallothionein of Cadmium -Induced Inhibition of Vitamin D Activation Reaction in Kidney. Fed. Eur. Biochem. Socc. Lett. 42(1974):23-26.
76. Suzuki, K.T. Induction and Degradation of Metallothioneins and Their Relation to The Toxicity of Cadmium. In Foulkes, E.C.(ed), Biological Rolls of Metallothionein. pp.215-35. New York : Elsevler ,1982

77. Syversen ,Tore L.M. Cadmium-Binding in Human Liver and Kidney. Arch. Environ. Health. 30(1975) : 158-161.
78. Thomas W. C., Rochester, T.N. Excretion and Absorption of Methyl Mercury After polythiol Resin Treatment. Arch of Environ Health.26(1973):173-176.
79. Weinbach , E.C. , et al. Effect of The Tricyclic Antidepressant Drugs on Energy-Linked Reactions in Mitochondria. Biochem Pharmacol. 35(9)(1986) : 1445-51.
80. Yates , DH., Goldman , K.P. Acute Cadmium Poisoning in a Foreman Plater Welder. British J. of Industrial Medicine. 47(1990) : 429-431.



ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

ประวัติผู้เขียน

นางสาวอภิรmony เหล่าเจริญเกียรติ เกิดเมื่อวันที่ 1 กันยายน พ.ศ.2505
 ที่ตำบลท่าตะเภา อำเภอเมือง จังหวัดชุมพร สำเร็จการศึกษาชั้นเตรียมอุดมศึกษา
 โรงเรียนเตรียมอุดมศึกษา วิทยาโท กรุงเทพฯ เข้าศึกษาต่อที่คณะเภสัชศาสตร์
 จุฬาลงกรณ์มหาวิทยาลัย เมื่อปีการศึกษา 2523 สำเร็จการศึกษาปริญญาเภสัชศาสตร์
 ชั้นปีที่ ๓ ปีการศึกษา 2527 ปัจจุบันรับราชการในตำแหน่งเภสัชกรระดับ 5 แผนกเภสัชกรรม
 โรงพยาบาลศิริราช



ศูนย์วิทยทรัพยากร
 จุฬาลงกรณ์มหาวิทยาลัย