



1. Miall, L.M. A New Dictionary of Chemistry. 3d ed. Longmans
Green : Aberdeen, 1961.
2. Browning, E. Toxicity of Industrial Metals. London :
Butterworth and Co. Ltd., 1969.
3. Bidstrup, P.L. Toxicity of Mercury and Its Compounds.
London : Elsevier Publishing Co., 1964.
4. Giese, A.C. "Mercury Poisoning." Science, 91, 476, 1940.
5. Sax, N.I. Dangerous Properties of Industrial Materials.
New York : Reinhold Publishing Corp. London, Chapman
and Hall, 1957.
6. Coetzee, J.F. "Mercury." in Treatise on Analytical Chemistry :
Part II Analytical Chemistry of the Elements, Vol. 3,
pp. 231-326. Edited by Kolthoff, I.M. and Elving, P.J.
New York : John Wiley & Sons, 1966.
7. Rissanen, K. and Miettinen, J.K. "Use of Mercury Compounds
in Agriculture and its Implications." in Mercury Conta-
mination in Man and his Environment. Technical Report
Series, no. 137, pp. 5-34. International Atomic Energy
Agency, Vienna, Austria, 1972.

8. D' Itri, P.A. and D' Itri, F.M. Mercury Contamination : A Human Tragedy. New York : John Wiley & Sons, Inc., 1977.
9. D' Itri, F.M. The Environmental Mercury Problem. Ohio : The Chemical Rubber Co., 1972.
10. Lu, F.C.; Berteau, P.E., and Clegg, D.J. "Toxicity of Mercury in Man and Animals. "In Mercury Contamination in Man and his Environment. Technical Report Series, no. 137, pp. 67-86. International Atomic Energy Agency, Vienna, Austria, 1972.
11. Irukayama, K. "The Pollution of Minamata Bay and Minamata Disease." Advances in Water Pollution Research. 3, 153, 1966.
12. Harada, Y. "Clinical Investigation on Minamata Disease, C. Congenital (or fatal) Minamata Disease." Minamata Disease. Kumamoto University, Japan, 93, 1968.
13. Green, T.E. and MaxTurley, P.R. "Selenium and Tellurium." In Treatise on Analytical Chemistry : Part II Analytical Kolthoff, I.M. and Elving, P.J. New York : John Wiley & Sons, 7, 1966.
14. Scott, M.L. "Selenium." In Mineral Metabolism : Part B, Vol. 2 pp. 543-557. Edited by Comar, C.L. and Bronner, F. New York : Academic Press, 1962.

15. Bagnall, K.W. The Chemistry of Selenium, Tellurium and Polonium. Cincinnati, New York : Elsevier Publishing Co., 1966.
16. Trelease, S.F. and Beath, O.A. Selenium. 1st ed. Burlington : The Champlain Printers, Vt., 1949.
17. Williams, K.T. and Byers, H.G. Industr. Eng. Chem. 28, 912, 1936.
18. Muth, C.H., et. al. "Effects of Selenium and Vitamin E in White Muscle Disease." Science, 128, 1090, 1958.
19. Moxon, A.C. Alkali Disease of Selenium Poisoning. Bull, no. 311, Brookings, S.D., South Dakota Agricultural Experimental Station, 1937.
20. Bockris, J. Environmental Chemistry. New York : Plenum Press, 1977.
21. Copeland, R.A., et. al. Proc. 161st Ann. Meeting Am. Chem. Soc. 1971.
22. Tucker, A. The Toxic Metals. London : 1972.
23. Mellor, J.W. A Comprehensive Treatise on Inorganic and Theoretical Chemistry. Longmans, Green, New York : 11, 1-121, 1931.

24. Saito, N. "Use of Mercury and Its Compounds in Industry and Medicine." In Mercury Contamination in Man and his Environment. Technical Report Series, no. 137, pp. 35-42, International Atomic Energy Agency, Vienna, Austria, 1972.
25. Routledge, R. "Modifications to Plant Building in Solving a Mercury Hazard." Ann. Occup. Hyg. 8, 109, 1965.
26. Engel, G.T. "Mercury." In Kirk-Othmers. Encyclopedia of Chemical Technology. 2d ed., New York : John Wiley & Sons, Interscience Publishers, 13, 218, 1966.
27. Anon., "Mercury, Properties and Uses." In Haley, W., Ed., Encyclopaedia Britannica. London : William Benton, 1969.
28. Copplestone, J.F. and McArthur, D.A. "An Inorganic Mercury Hazard in the Manufacture of Artificial Jewelry." Br. J. Ind. Med.
29. Drinker, P. and Nelson, K.W. "Fumes and Gases from Selenium Rectifiers." Arch. Industr. Hyg. 8, 185, 1953.
30. Elkin, E.M. and Margrave, J.L. "Selenium and Selenium Compounds." In Kirk, R.E. and Othmer, D.F., Encyclopedia of Chemical Technology. New Your : Interscience Encyclopedia, 12, 145-163, 1954.
31. Smith, M.I. "Chronic Endemic Selenium Poisoning." J. Amer. Med. Ass. 116, 562, 1941.

32. Beliles, R.P. "Metal." In Toxicology : The Basic Science of Poisons. Edited by Casarett, L.J. and Doull, J., New York : Macmillan Pub., Co., 1975.
33. Damluhi, S.F. and Tikriti, S. "Mercury Poisoning from Wheat." Brit. Med. J. 1, 804, 1972.
34. Alpert, D., et al. "Organic Mercury Poisoning Alamogordo, New Mexico, Viral Diseases Branch, Epidemiology Program Communication." Public Health Service - HSM - NCDC - Atlanta EPI-70-47-2, March 27, 1970.
35. Johnels, A.G. and Westermark, T. "Mercury Contamination of the Environment in Sweden." In Chemical Fallout. pp. 221-238. Edited by Miller, M.W. and Berg, G.G. Charles and Thomas Publisher, 1969.
36. Larsson, J.E. "Environmental Mercury Research in Sweden." Swedish Environmental Protection Board. Stockholm : 1970.
37. Ljöfroth, G. "Methyl Mercury!" A Review of Health Hazards and side Effects Associated with the Emission of Mercury Compounds into Natural Systems. Ecological Research Committee Bulletin no. 4, Swedish Natural Science Research Council. Stockholm : 1969.
38. Johnels, A.F.; Olsson, M., and Westermark, T. Mercury in Fish : Investigations on Mercury levels in Swedish fish, Var Foeda, 19, 67, 1967.

39. Hasselrot, T.B. "Report on Current Field Investigation Concerning the Mercury Content in Fish, Bottom Sediments, and Water." Rep. Inst. Freshwater Res. Drottningholm, 48, 102, 1968.
40. Hamilton, A. Industrial Poisons in the U.S. New York : MacMillan Co., 1925.
41. Buchan, R.F. Industrial Selenosis Occup. Med. 3, 439, 1947.
42. Smith, M.I. and Westfall, B.B. Publ. Hlth Rep. (wash.) 53, 1375-1384, 1937.
43. Rosenfeld, I. and Beath, O.A. Selenium : Geobotany, Biochemistry, Toxicity and Nutrition. New York : Academic Press, 1964.
44. Westoo^{""}, G. "Methyl Mercury Mercury Compounds in Animal Foods." In Chemical Fallout. pp. 75-89. Edited by Miller, W.M. and Berg, G.G. Charles and Thomas Publisher, 1969.
45. Sittig, M. Toxic Metals Pollution Control and Worker Protection. New Jersey : Noyes Data C., 1976.
46. Kurland, L.T. "An Appraisal of the Epidemiology and Toxicology of Alkylmercury Compounds." In Mercury Mercurials and Mercaptans. pp. 23-55. Edited by Miller, M.W. and Clarkson, T.W. Springfield : Chales C. Thomas Publisher, 1973.

47. Suzuki, T. "Neurological Symptoms from Concentration of Mercury in the Brain." In Chemical Fallout. pp. 245-258. Edited by Miller, M.W. and Berg, G.G. Charles and Thomas Publisher, 1969.
48. Filatova, B.C. "The Toxicity of Selenium Anhydride." Gigiena no. 5 Abs. in Brit. J. Industr. Med. 9, 163, 1952.
49. Middleton, I.M. "Selenium Burn of the Eye." Arch. Ophthal (Chicago) 38, 906, 1947.
50. Pringle, P. "Occupational Dermatitis Following Exposure to Inorganic Selenium Compounds." Brit. J. Derm. 54, 54, 1942.
51. Duvoir, M.; Pollet, L., and Herrenschmidt, J.L. "Eczéme Professionnel dû au Sélénium." Bull. Soc. Franc. Dermat. Syph. 44, 88, 1937.
52. Clinton, M. "Selenium Fume Exposure." J. Industr. Hyg. 29, 225, 1947.
53. Dudley, H.C. "Toxicology of Selenium. Toxic and Vesicant Properties of Se Oxychloride." U.S. publ. Mlth Serv. publ. Hlth Rep. 53, 94, 1938.

54. Smith, M.I.; Westfall, B.B., and Stohlman, E.F. "Studies on the Fate of Se in the Organism." Ibid. 53, 1199, 1938.
55. Guinn, V.P. "Determination of Mercury by Instrumental Neutron Activation Analysis." Mercury Contamination in Man and his Environment. Technical Report Series, no. 137, pp. 87-97, International Atomic Energy Agency, Vienna, Austria, 1972.
56. Guinn, V.P. and Kishore, R. "Results From Multi-Trace-Element Neutron Activation Analysis of Marine Biological Specimens." J. Radioanal. Chem. no. 2, 19, 367-371, 1974.
57. Robertson, D.E. and Carpenter, R. "Neutron Activation Techniques for the Measurement of Trace Metals in the Marine Environment." Contact AT (45-1) -1830, 71 p. Dep. NTIS., 29 Sep., 1972.
58. Dutov, A.G., et al. "Selenium Determination by Neutron Activation Using A Po-Be Source." Dokl. Akad. Nauk Uzb. SSR. no. 3, 28-29, 1972.
59. De Goeij, J.J.M., et al. "Mercury Distribution Levels Observed in Various Ecosystems as Determined by Neutron Activation Analysis." Proceedings of the Symposium on Nuclear Activation Techniques in Life Sciences. pp. 295-307, International Atomic Energy Agency, Vienna, Austria, 1972.

60. Bader, H. and Hedrich, E. "Determination of Traces of Mercury (In Biological Samples) by Neutron Activation Analysis." Levensm. - Wiss. Technol. no. 5, 178-180, 1972.
61. Wimmer, J. and Haunold, E. "Mercury Content of Austrian Soils Determined by Neutron Activation Analysis." Bodenkultur. no. 1, 24, 25-30, 1973.
62. Van der Sloot, H.A. and Das, H.A. "Determination of Mercury in Water Samples From the Environment by Neutron Activation Analysis." Anal. Chem. Acta. no. 2, 73, 235-244, 1974.
63. Montoloy, F.; Heurtebise, M.; and Lubkowitz, J. "Simple Method For the Activation Analysis of mercury in Fish by Using Iodinated Resins." J. Radioanal. Chem. no. 2, 11, 167-173, 1972.
64. Lukowitz, J.A.; Montoloy, F.; and Heurtebise, M. "Simple Method for the Activation Analysis of Mercury in Fish: Mercury Content in Venezuelan Canned Tuna." Radiotracer Studies of Chemical Residues in Food and Agriculture, Vienna, International Atomic Energy Agency, pp. 77-80, 1972.
65. Guinn, V.P. and De Goeij, J.J.M. Environmental/Oceanographic Neutron Activation Trace Element Studies. Research Coordination Meeting, Vienna, Austria, IAEA-157, 163-173, 1973.
66. Byrne, A.R. and Kosta, L. "Simultaneous Neutron Activation Analysis of Selenium with Mercury in Biological Samples by Volatilization." 22p. Dep. NTIS. (LJS-R-619), 1974.

67. Rook, H.L.; Gills, T.E., and LaFleur, P.D. "Method for Determination of Mercury in Biological Materials by Neutron Activation Analysis." Anal. Chem. 44, 1114-1117, 1972.
68. Rook, H.L. "Rapid, Quantitative Separation for the Determination of Selenium Using Neutron Activation Analysis." Anal. Chem. 44, 1276-1278, 1972.
69. ปฐม แหยมเกตุ. "การวิเคราะห์ปริมาณปรอทในปลาสามัญนางชนิดในอ่าวไทยโดยวิธีนิวตรอนแอกติเวชัน." วิทยานิพนธ์ปริญญาโทบัณฑิต แผนกวิชานิวเคลียร์ เทคโนโลยี บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย, 2519.
70. Sjöstrand, B. "Simultaneous Determination of Mercury and Arsenic in Biological and Organic Materials by Activation Analysis." Anal. Chem. 36, 814-819, 1964.
71. Bowen, H.J.M. and Gibbons, D. Radio Activation Analysis. Oxford: Clarendon Press, 1936.
72. Lenihan, J.M.A. and Thomas, S.J. Activation Analysis Principles and Applications. New York: Academic Press, 1965.
73. Atkin, D.H.F. and Smales, A.A. "Activation Analysis." In Advances in Inorganic Chemistry and Radiochemistry. Vol. 1, pp. 315-347. Edited by Emeleus, H.J. and Sharpe, A.C. New York: Academic Press, 1959.
74. Holden, A.V. "Present Levels of Mercury in Man and His Environment." In Mercury Contamination in Man and his Environment. Technical Report Series, no. 137, pp. 143-168, International Atomic Energy Agency, Vienna, Austria, 1972.
75. Covell, D.F. "Determination of Gamma-ray Abundance Directly From the Total Absorption Peak." Anal. Chem. 31, 1785-1790, 1959.

76. Hamilton, E. and Minski, M.J. Sci. Total Envir. 1, 375, 1973.
77. Bowen, H.J.M. Trace Elements in Biochemistry. Academic Press, 1966.
78. Morris, V.C. and Levander, O.A. J. Nutrit. 100, 1383, 1970.
79. Oelschläger, W. and Menke, K.H. Ernahrungswiss. Zeit 9, 208 and 216, 1969.
80. Schroeder, H.A.; Frost, D.V.; and Balassa, J.J. "Essential Trace Metals in Man: Selenium." J. Chron. Dis. pp. 227-243, 23, 1970.
81. Lunde, G. J. Sci. Food Agric. 21, 242, 1970.
82. Sandholm, M.; Oksanen, H.E.; and Fersonen, L. Limnol. Oceanog. 18, 496, 1978.
83. Kishore, R. and Guinn, V.P. Report for the IDOE Workshop on Baseline Measurements at Brookhaven National Laboratory Upton, New York, 1972.
84. LaFleur, P.D. "Retention of Mercury when Freeze-Drying Biological Materials." Anal. Chem. 45, 8, 1973.

ประวัติการศึกษา

ชื่อ : นางสาวอัจฉรา เศรษฐนันท์
การศึกษา : วิทยาศาสตร์บัณฑิต สาขาวิชาฟิสิกส์
จุฬาลงกรณ์มหาวิทยาลัย พ.ศ. 2520

