

## BIBLIOGRAPHY



1. Seinfeld, J.H. Air Pollution. New York : McGraw - Hill, 1975.
2. National Air Pollution Control Administration. " National Primary and Secondary Ambient Air Quality Standards. " Federal Register 36 (January 1971) : 1 - 4.
3. McCormac, B.M. ed. Introduction to the Scientific Study of Atmospheric Pollution. Dordrecht : D. Reidel Publishing Company, 1971.
4. Johnston, R. ed. Marine Pollution. London : Academic Press, 1976.
5. Dickson, T.R. Understanding Chemistry. New York : John Wiley and Sons, 1974.
6. Hirschler, D.A., et al. Industrial and Engineering Chemistry 49(1957) : 1131 - 1133.
7. Arcos, J.C. " Cancer : Chemical factors in the environment. " International Laboratory (November/December 1978) : 105 - 113.
8. U.S. Department of Health, Education, and Welfare. Air Quality Criteria for Photochemical Oxidants. Washington, D.C. : National Air Pollution Control Administration, 1970.

9. Schroeder, et al. " A Sensible Look at Air Pollution by Metals. " Archives of Environmental Health 21(1966) : 798 - 800 .
10. Carroll, R.E. " The Relationship of Cadmium in the Air to Cardiovascular Disease Death Rates. " Journal of the American Medical Association 198(October 1966) : 267-269.
11. Hickey, R.G., Schoff, E.P., and Celland, R.C. Archives of Environmental Health 15(1960) : 728 - 730.
12. Krenkel, P.A., ed. Heavy Metals in the Aquatic Environment. Oxford : Pergamon Press, 1975 .
13. Farnsworth, M. and Kline, C.H. Zinc Chemicals. London : Means Caldwell Hacker, 1973.
14. Farnsworth, M. and Kline, C.H. Zinc Chemicals. 8 th ed. London : Means Caldwell Hacker.
15. Zinc Institute. Diagnosis and Treatment of Zinc Deficiency in Crops. New York : Zinc Institute.
16. Zinc Institute . Zinc in Animal Nutrition. New York : Zinc Institute.
17. Hampshire Chemical . " The Need for iron, copper and zinc ". Nashua N.H. Bulletin .

18. Prasad, A.S., ed. Zinc Metabolism. Springfield : Thomas, 1966.
19. Sax, M.I. Dangerous Properties of Industrial Materials. 4 th ed. New York : Van Nostrand Reinhold Co., 1975.
20. Abdullab, M.L., Royle, L. G., and Morris, A.M. Nature. 158(1972) : 235 - 238.
21. Agnese, T., De Veris, B., and Santolini, B. Igiene Moderna. 149(1959) : 52 - 54.
22. Mahabhol, N. Country Report on Air Pollution in Thailand. Bangkok : Department of Health, 1977.
23. Office of the National Environmental Board. Monitoring of Air Quality in Thailand. Bangkok : Office of the National Environmental Board, 1979.
24. Kanatharana, P. " Determination of Lead in Air Particulates in the Trade Center Rama1- Phloenchit. " In Pollution Problem of Heavy Metal in the Environment in Thailand. pp. 21-28. Edited by The Institute of Environmental Research Chulalongkorn University. Bangkok : Chulalongkorn University Press, 1977.
25. Leepipatpiboon, S., and Kanatharana, P. " Determination of Cadmium in Air Particulates in Sukhumvit area : Bangchak-Bangna. " In Pollution Problem of Heavy Metal in the

Environment in Thailand. pp. 29-34 Edited by The Institute of Environmental Research Chulalongkorn University. Bangkok : Chulalongkorn University Press, 1977.

26. Santativut, N., and Kanatharana, P. " Determination of Copper in Air Particulates in Sukhumvit area : Asoke - Phrakhanong." In Pollution Problem of Heavy Metal in the Environment in Thailand. pp. 35 - 43. Edited by The Institute of Environmental Research Chulalongkorn University : Bangkok: Chulalongkorn University Press, 1977.
27. Sherdshoopongse, P., and Kanatharana, P. " Determination of Zinc in Air Particulates in Sukhumvit area : Asoke - Phrakhanong." In Pollution Problem of Heavy Metal in the Environment in Thailand. pp. 44 - 51. Edited by The Institute of Environmental Research Chulalongkorn University. Bangkok : Chulalongkron University Press, 1977.
28. Karot, T. Air Pollution in Bangkok. Bangkok : Chulalongkorn University, 1977.
29. Kanatharana, P. et al. " Heavy Metals Pollution in Some Factories in Bangkok Metropolis. " In Pollution Problem of Heavy Metal in the Environment in Thailand. pp. 13 - 20. Edited by The Institute of Environmental Research Chulalongkron University. Bangkok : Chulalongkron University Press, 1977.

30. Copeland, T.R., and Skogerboe, R.K. " Anodic Stripping Voltammetry. " Analytical Chemistry 46 (December 1974) : 1257A - 1268A.
31. Barendrecht, E. " Stripping Voltammetry. " In Electroanalytical Chemistry Vol. 2. Edited by Allen J. Bard. New York : Marcel Dekker, 1967.
32. Adam, R.N. Electrochemistry at Solid Electrode. New York : Marcel Dekker, 1967.
33. Ellis, W.D. " Anodic Stripping Voltammetry. " Journal of Chemical Education 50 (March 1973) : A131 - A147.
34. Varian Techtron. Instruction Manual for Varian Techtron Model AA - 5 Atomic Absorption Spectrophotometer. Melbourne : Varian Techtron Pty, 1971.
35. Willard, H.W., Meritt, L.L., and Dean, J.A. Instrumental Method of Analysis. New Delhi : East - West Press, 1965.
36. Bailey, B.W., and Lo, F.C. " Automated Method for Determination of Mercury. " Analytical Chemistry 43(September 1971) : 1525 - 1526.
37. Hatt, W.R., and Ott, W.L. " Determination of Sub-microgram Quantities of Mercury by Atomic Absorption Spectrophotometry. " Analytical Chemistry 40( December 1968) : 2085 - 2087.

38. Suta Poosittisak. " The Analysis of Lead in Various Vegetables by Anodic Stripping Voltammetry. " Master's Thesis, Department of Chemistry, Graduate School, Chulalongkorn University, 1979.
39. Princeton Applied Research Corporation. Model 315 Automated Electroanalysis Controller : Operating and Service Manual. New Jersey : Princeton Applied Research Corporation, 1974.
40. Vogel, A.I. A Textbook of Quantitative Inorganic Analysis. London : Longman, 1975.
41. Mukda Chirapummin. " Anodic Stripping Analysis of Some Group VA Elements. " Master's Thesis, Department of Chemistry, Graduate School, Chulalongkorn University, 1974.
42. Kanatharana, P., and Spritzer, M.S. Analytical Letter 6 (May 1973) : 421 .
43. Rienvatana, P. " Determination of Total Mercury in Fresh-Water Fish by Cold Vapor (Flameless) Atomic Absorption Spectrophotometry. " In Pollution Problem of Heavy Metal in the Environment in Thailand. pp. 203 - 217. Edited by The Institute of Environmental Research Chulalongkorn University. Bangkok : Chulalongkorn University Press, 1977.
44. Coleman Instruments. Mercury Analyzer MAS - 50 : Operating Directions 50 - 900. Marywood : Coleman Instruments.

45. Climatology Division, Meteorological Department. " Meteorological Observation for Bangkok Metropolis : March - April 1979 . " Bangkok : Meteorological Department, 1979.
46. Florence, T.M. " Anodic Stripping Voltammetry with a Glassy Carbon Electrode Mercury - Plated in situ. " Journal of Electroanalytical Chemistry and Interfacial Electrochemistry 27(1970) : 273 - 281.
47. Narumol Vachirapatama. " Trace Analysis of Lead(II) by Infrared Spectrophotometric and Anodic Stripping Techniques. " Master's Thesis, Department of Chemistry, Graduate School, Chulalongkorn University, 1976.
48. Princeton Applied Research Corporation. Application Note : AN - 107. New Jersey : Princeton Applied Research Corporation.
49. Blustein, H., and Bond, A.M. " Trace Zinc Determination in Acid Media by Differential Pulse Anodic Stripping Voltammetry at a Hanging Drop Mercury Electrode. " Analytical Chemistry 48(April 1976) : 759 - 761.
50. Luong, L., and Vydra, F. " Voltammetry with Disc Electrodes and its Analytical Application. IX. The Selectivity of the Stripping Determination of Mercury and the Determination of Some Metals in the Presence of Mercury at Glassy Carbon Electrodes. " Journal of Electroanalytical

Chemistry and Interfacial Electrochemistry 50(1974):  
379 - 386.

51. Jagner, D., and Kryger, L. " Computerized Electroanalysis. Part III. Multiple Scanning Anodic Stripping and its Application to Sea Water. " Analytica Chimica Acta 80(1975) : 255 - 266.
52. Abdullah, M.I. et al. " The Determination of Zinc, Cadmium, Lead and Copper in a Single Sea-Water Sample by Differential Pulse Anodic Stripping Voltammetry. " Analytica Chimica Acta 84(1976) : 307 - 317.
53. Shuaman, M.S., and Woodward, G.P. " Intermetallic Compound Formation Between Copper and Zinc in Mercury and its Effects on Anodic Stripping Voltammetry. " Analytical Chemistry 48(November 1976) : 1979 - 1983.
54. Copeland, T.R. et al. " Elimination of Cu-Zn Intermetallic Interferences in Anodic Stripping Voltammetry. " Analytical Chemistry 46(December 1974) : 2093 - 2097.
55. Stepanova, O.S. Izv. Tomsk. Politekh. Inst. 14(1966) : 151.
56. Stepanova, O.S. et al. Izv. Vyssa. Ucheb. Zaved. Khim. Khim. Tekhnol. 7(1974) : 184.
57. Zakharov, M.S. Zh. Anal Khim. 18(1963) : 450.



58. Zakharov, M.S. et al. Izv. Tomsk. Politekh. Inst.  
128(1964) : 36.
59. Kanatharana, P. et al. Pollution Problem of Heavy Metal  
in the Environment in Thailand. Bangkok : Chulalongkorn  
University, 1977.
60. Moorehead, E.D. and Davis, P.H. " Experimental Study of  
Phase - Selective Anodic Stripping for Trace  
Concentrations of Gallium. " Analytical Chemistry  
47(April 1975) : 622 - 630.
61. Yen, T.F. The Role of Trace Metals in Petroleum. Ann Arbor :  
Ann Arbor Science, 1975.
62. Sittig, M. Pollution Detection and Monitoring Handbook.  
New Jersey : Noyes Data Corporation, 1974.
63. Cahill, F.P.J., and Van Loon, G.W. " Trace Analysis by  
Atomic Absorption Spectroscopy and Anodic Stripping  
Voltammetry. " International Laboratory (July/August  
1976) : 11 - 19.

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